

Developer Guide

CUSTOMER

SAP Landscape Management
Document Version: 3.0.5.0 – 2017-12-04

SAP Landscape Management 3.0, Enterprise Edition, Developer Guide



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1 What's New in Development Information

This section provides an overview of all new and changed features that have been addressed in SAP Landscape Management 3.0, development information.

What's New in 3.0 SP5

Table 1:

Description	Related Link	Type of Documentation Change	Type of Software Change
You have now information how to call a servlet to receive validation and monitoring data.	Calling the Validation Servlet [page 493]	New	None
New REST API methods are now available to retrieve information about registered hosts, instances, systems, change, and operation logs, or to trigger a full text search.	Viewing REST Application Programming Interface Methods [page 8]	Changed	Enhanced

What's New in 3.0 SP4

There have been no updates.

What's New in 3.0 SP3

Table 2:

Description	Related Link	Type of Documentation Change	Type of Software Change
The external interface method <code>getCustomRelationType</code> is now available.	getCustomRelationType [page 451]	New	New

Description	Related Link	Type of Documentation Change	Type of Software Change
The external interface method <code>addCustomRelation</code> is now available.	addCustomRelation [page 457]	New	New
The external interface method <code>deleteCustomRelation</code> is now available.	deleteCustomRelation [page 465]	New	New
The external interface method <code>getCustomRelations</code> is now available.	getCustomRelations [page 473]	New	New
The external interface method <code>getRKSConfigurationsData</code> is now available	getRKSConfigurationsData [page 301]	New	New
The external interface method <code>addCharacteristics</code> is now available.	addCharacteristics [page 151]	New	New
The external interface method <code>addCharacteristicValues</code> is now available.	addCharacteristicValues [page 159]	New	New
The external interface method <code>addCharacterizations</code> is now available.	addCharacterizations [page 164]	New	New
The external interface method <code>deleteCharacterizations</code> is now available.	deleteCharacterizations [page 168]	New	New
The external interface method <code>deleteCharacteristics</code> is now available.	deleteCharacteristics [page 171]	New	New
The external interface method <code>deleteCharacteristicValues</code> is now available.	deleteCharacteristicValues [page 175]	New	New
The external interface method <code>getCharacteristic</code> is now available.	getCharacteristic [page 179]	New	New

Description	Related Link	Type of Documentation Change	Type of Software Change
The external interface method <code>getCharacteristics</code> is now available.	getCharacteristics [page 184]	New	New
The external interface method <code>getCharacterizations</code> is now available.	getCharacterizations [page 190]	New	New
You can now execute, manage, and monitor activities using the SAP Landscape Management REST API.	Viewing REST Application Programming Interface Methods [page 8]	New	New
You have now a description how to receive parameters of a roadmap based activity for execution using the REST API.	Receiving Parameters of a Specific Provisioning Process [page 9]	New	New

What's New in 3.0 SP2

There have been no updates.

What's New in 3.0 SP1

Table 3:

Description	Related Link	Type of Documentation Change	Type of Software Change
The external interface method <code>listScheduledTemplates</code> is now available.	listScheduledTemplates [page 364]	New	New
The external interface method <code>deleteScheduledTemplates</code> is now available.	deleteScheduledTemplate [page 369]	New	New
The external interface method <code>listCustomProcesses</code> is now available.	listCustomProcesses [page 405]	New	New

Description	Related Link	Type of Documentation Change	Type of Software Change
The external interface method <code>getCustomProcessDetails</code> is now available.	getCustomProcessDetails [page 407]	New	New
The external interface method <code>deleteCustomProcesses</code> is now available.	deleteCustomProcesses [page 413]	New	New
The external interface method <code>resolveCustomProcess</code> is now available.	resolveCustomProcess [page 415]	New	New
The external interface method <code>executeCustomProcess</code> is now available.	executeCustomProcess [page 424]	New	New
The external interface method <code>listTaskDetails</code> has been deleted.	Not applicable	Deleted	Deleted
The external interface method <code>getValidationResults</code> has been enhanced.	getValidationResults [page 224]	Enhanced	Enhanced
The external interface method <code>getValidations</code> is now available.	getValidations [page 220]	New	New

What's New in 3.0 SPO

Table 4:

Description	Related Link	Type of Documentation Change	Type of Software Change
You have now information how to call a servlet to delete configuration data.	Calling the SysDel Servlet [page 487]	New	None
You have now information how to call a servlet to export configuration data. A new parameter <code>useDefaultPwd</code> is available.	Calling the Download Servlet [page 489]	New	Enhanced

Description	Related Link	Type of Documentation Change	Type of Software Change
You have now information how to call a servlet to import configuration data. A new parameter <code>useDefaultPwd</code> is available.	Calling the Upload Servlet [page 491]	New	Enhanced
You can now use the external interface method <code>queryEntitiesById</code> to search for various entity properties in your landscape.	queryEntitiesById [page 287]	New	New
You can now use the external interface method <code>queryEntitiesFullText</code> to search for various entity properties in your landscape.	queryEntitiesFullText [page 294]	New	New
The external interface parameter structure <code>AbstractServiceData</code> is now enhanced with the element <code>isLocked</code> .	Service Functions [page 315]	Enhanced	Enhanced
The external interface method <code>storeTemplate2</code> is now available.	storeTemplate2 [page 146]	New	New
The external interface method <code>listTemplates2</code> is now available.	listTemplates2 [page 362]	New	New
The external interface method <code>deleteTemplates2</code> is now available.	deleteTemplates2 [page 373]	New	New
The external interface method <code>validateTemplate2</code> is now available.	validateTemplate2 [page 382]	New	New

2 Development Information

The development information provides an overview of external interfaces and servlets available for SAP Landscape Management.

[REST Application Programming Interface \[page 8\]](#)

You use the SAP Landscape Management REST Application Programming Interface (API).

[Web Services \[page 13\]](#)

You use external interfaces to programmatically execute methods related to both configuration and operations, as well as mass operations in SAP Landscape Management.

[Servlets \[page 487\]](#)

This section provides an overview of invoker servlets available for SAP Landscape Management.

2.1 REST Application Programming Interface

You use the SAP Landscape Management REST Application Programming Interface (API).

[Viewing REST Application Programming Interface Methods \[page 8\]](#)

You view all REST Application Programming Interface (API) methods available for SAP Landscape Management.

[Receiving Parameters of a Specific Provisioning Process \[page 9\]](#)

You receive parameters of a specific provisioning process.

2.1.1 Viewing REST Application Programming Interface Methods

You view all REST Application Programming Interface (API) methods available for SAP Landscape Management.

Prerequisites

You have the required authorization.

For more information, see https://help.sap.com/viewer/lama_security.

Context

SAP Landscape Management provides REST API methods for the following:

- Execute, manage, and monitor activities
- Retrieve information about registered hosts, instances, and systems
- Retrieve information about change and operation logs
- Perform a full text search

Procedure

- For a detailed overview, open the URL `https://<host>:<port>/lama-api`.

2.1.2 Receiving Parameters of a Specific Provisioning Process

You receive parameters of a specific provisioning process.

Procedure

1. In SAP Landscape Management, choose **Provisioning** > **System and AS**.
2. Choose the provisioning process for which you want to receive the parameters.
3. Navigate through the roadmap by following the instructions on the screen.
4. On the **Summary** screen, choose **Remote Execution**.

The **Remote Execution** dialog box displays the following:

- **Execution Request**

Displays the operation, the entity, and all parameters you have changed. It does not display parameters generated by SAP Landscape Management which have not been changed in the roadmap.

Sample Code

```
{
  "type" : "provisioning",
  "operation" : "SYSTEM_CLONING",
  "entityType" : "SYSTEM",
  "entityId" : "SystemID.X14.SystemHost.simdbx14",
  "changeId" : null,
  "ignoreWarnings" : false,
  "validateOnly" : false,
  "parameters" : {
    "HOSTS" : {
      "provisionedVirtualHosts" : [ ]
    },
    "CONSISTENCY" : { },
    "HOSTNAMES" : { },
    "FENCING" : { },
  }
}
```

```

    "STORAGE_CLONE" : { },
    "BASE" : { }
  }
}

```

- **Parameters**

Displays all parameters, including the parameters generated by SAP Landscape Management that have not been changed in the roadmap.

Sample Code

```

{
  "HOSTS" : {
    "provisionedVirtualHosts" : [ ],
    "hosts" : [ {
      "host" : "simatsw01",
      "serviceId" : "SystemID.X14.Number.00.InstanceHost.simcix14",
      "type" : "RESOURCE"
    }, {
      "host" : "simatsw01",
      "serviceId" :
"DatabaseName.X14.DatabaseType.MSS.DatabaseHost.simdbx14",
      "type" : "RESOURCE"
    }, {
      "host" : "simatsw01",
      "serviceId" : "SystemID.X14.Number.10.InstanceHost.simas0x14",
      "type" : "RESOURCE"
    } ]
  },
  "CONSISTENCY" : {
    "delayedExecutionTime" : "-1",
    "maximumBackupTime" : "90",
    "consistency" : "CLONING CONSISTENCY_DB",
    "isExecutionDelayed" : "false"
  },
  "HOSTNAMES" : {
    "hostnames" : [ {
      "hostname" : "simdbx14clone",
      "autoCalcIPAddress" : "true",
      "serviceId" :
"DatabaseName.X14.DatabaseType.MSS.DatabaseHost.simdbx14",
      "type" : "COM_HOST",
      "network" : "SimSysProvNet"
    }, {
      "hostname" : "simcix14clone",
      "autoCalcIPAddress" : "true",
      "serviceId" : "SystemID.X14.Number.00.InstanceHost.simcix14",
      "type" : "COM_HOST",
      "network" : "SimSysProvNet"
    }, {
      "hostname" : "simglobalhostx14clone",
      "autoCalcIPAddress" : "true",
      "serviceId" : "SystemID.X14.Number.00.InstanceHost.simcix14",
      "type" : "VIRT_HOST",
      "network" : "SimSysProvNet"
    }, {
      "hostname" : "simas0x14clone",
      "autoCalcIPAddress" : "true",
      "serviceId" : "SystemID.X14.Number.10.InstanceHost.simas0x14",
      "type" : "COM_HOST",
      "network" : "SimSysProvNet"
    } ]
  },
  "FENCING" : {
    "unfenceAfterCopy" : "false",
    "allowedPorst" : [ ],

```

```

    "allowedHostnames" : [ ],
    "requestUnfenceConfirmation" : "true"
  },
  "STORAGE_CLONE" : {
    "storageVolumeList" : [ {
      "fullClone" : "false",
      "customCloningProperties" : [ {
        "key" : "%booleanKey"
      }, {
        "key" : "%stringKey"
      }, {
        "key" : "%doubleKey"
      }, {
        "key" : "%intKey"
      }, {
        "key" : "%longKey"
      }, {
        "key" : "%urlKey"
      }, {
        "key" : "%valueArrayKey"
      }, {
        "value" : "%value2",
        "key" : "%valueSetKey"
      } ],
      "storageManagerChildren" : [ {
        "fullClone" : "false",
        "targetVolume" : "voll_cl",
        "mounts" : [ {
          "mountPoint" : "/simulation/sap/X14",
          "mountOptions" :
"rw,hard,intr,vers=3,proto=tcp,rsiz=32768,wsiz=32768,addr=10.17.68.46",
          "srcMountPoint" : "/simulation/sap/X14",
          "exportPath" : "simfiler:/storagePool/voll_cl/simmountX14",
          "serviceId" : "SystemID.X14.Number.00.InstanceHost.simcix14"
        }, {
          "mountPoint" : "/simulation/sap/X14/00",
          "mountOptions" :
"rw,hard,intr,vers=3,proto=tcp,rsiz=32768,wsiz=32768,addr=10.17.68.46",
          "srcMountPoint" : "/simulation/sap/X14/00",
          "exportPath" : "simfiler:/storagePool/voll_cl/simmountX14_00",
          "serviceId" : "SystemID.X14.Number.00.InstanceHost.simcix14"
        }, {
          "mountPoint" : "/simulation/X14",
          "mountOptions" :
"rw,hard,intr,vers=3,proto=tcp,rsiz=32768,wsiz=32768,addr=10.17.68.46",
          "srcMountPoint" : "/simulation/X14",
          "exportPath" : "simfiler:/storagePool/voll_cl/
simmountX14_sapmnt",
          "serviceId" : "SystemID.X14.Number.00.InstanceHost.simcix14"
        }, {
          "mountPoint" : "/home/x14adm",
          "mountOptions" :
"rw,hard,intr,vers=3,proto=tcp,rsiz=32768,wsiz=32768,addr=10.17.68.46",
          "srcMountPoint" : "/home/x14adm",
          "exportPath" : "simfiler:/storagePool/voll_cl/simmountX14_/home/
x14adm",
          "serviceId" : "SystemID.X14.Number.00.InstanceHost.simcix14"
        }, {
          "mountPoint" : "/simulation/MSS/X14",
          "mountOptions" :
"rw,hard,intr,vers=3,proto=tcp,rsiz=32768,wsiz=32768,addr=10.17.68.46",
          "srcMountPoint" : "/simulation/MSS/X14",
          "exportPath" : "simfiler:/storagePool/voll_cl/simmountMSS/X14",
          "serviceId" :
"DatabaseName.X14.DatabaseType.MSS.DatabaseHost.simdbx14"
        }, {
          "mountPoint" : "/home/dbx14",

```

```

        "mountOptions" :
"rw,hard,intr,vers=3,proto=tcp,rsize=32768,wsiz=32768,addr=10.17.68.46",
        "srcMountPoint" : "/home/dbx14",
        "exportPath" : "simfiler:/storagePool/voll_cl/simmount/home/X14",
        "serviceId" :
"DatabaseName.X14.DatabaseType.MSS.DatabaseHost.simdbx14"
    }, {
        "mountPoint" : "/simulation/sap/X14",
        "mountOptions" :
"rw,hard,intr,vers=3,proto=tcp,rsize=32768,wsiz=32768,addr=10.17.68.46",
        "srcMountPoint" : "/simulation/sap/X14",
        "exportPath" : "simfiler:/storagePool/voll_cl/simmountX14",
        "serviceId" : "SystemID.X14.Number.10.InstanceHost.simas0x14"
    }, {
        "mountPoint" : "/simulation/sap/X14/10",
        "mountOptions" :
"rw,hard,intr,vers=3,proto=tcp,rsize=32768,wsiz=32768,addr=10.17.68.46",
        "srcMountPoint" : "/simulation/sap/X14/10",
        "exportPath" : "simfiler:/storagePool/voll_cl/simmountX14_10",
        "serviceId" : "SystemID.X14.Number.10.InstanceHost.simas0x14"
    }, {
        "mountPoint" : "/simulation/X14",
        "mountOptions" :
"rw,hard,intr,vers=3,proto=tcp,rsize=32768,wsiz=32768,addr=10.17.68.46",
        "srcMountPoint" : "/simulation/X14",
        "exportPath" : "simfiler:/storagePool/voll_cl/
simmountX14_sapmnt",
        "serviceId" : "SystemID.X14.Number.10.InstanceHost.simas0x14"
    }, {
        "mountPoint" : "/home/x14adm",
        "mountOptions" :
"rw,hard,intr,vers=3,proto=tcp,rsize=32768,wsiz=32768,addr=10.17.68.46",
        "srcMountPoint" : "/home/x14adm",
        "exportPath" : "simfiler:/storagePool/voll_cl/simmountX14_/home/
x14adm",
        "serviceId" : "SystemID.X14.Number.10.InstanceHost.simas0x14"
    } ],
    "key" : "simfiler_storagePool_voll1",
    "targetStorageSystem" : "simfiler"
} ],
    "key" : "MyStorageManager"
} ],
    "cloneFromSnapshot" : "false"
},
"BASE" : {
    "pool" : "SimSysProvPool",
    "description" : "Clone of System 'X14'",
    "cloneName" : "clone"
}
}

```

Related Information

[Provisioning](#)

2.2 Web Services

You use external interfaces to programmatically execute methods related to both configuration and operations, as well as mass operations in SAP Landscape Management.

The methods exposed as web services are grouped under configuration and control methods.

- **Configuration Methods**
Allow you to configure instances, systems, networks, and pools.
- **Control Methods**
Allow you to execute start and stop operations, reserve systems, retrieve status information of instances and execute operations.

To access the WSDL file, use the following URL:`http://<host>:<port>/LVMWebServices/ACCAdapter?wsdl`

The following table shows terms used in the development information documentation and the corresponding synonyms used in SAP Landscape Management software and application help.

Table 5:

Web Service Terminology	SAP Landscape Management Terminology
Service	Instance
Resource	Host

[Viewing Methods in Web Services Navigator \[page 14\]](#)

You view all web service methods available on the system in the WebServices Navigator.

[Method Overview \[page 14\]](#)

This section shows all available web service methods for SAP Landscape Management.

[Configuration Methods \[page 19\]](#)

Configuration methods allow you to configure instances, systems, networks, and pools.

[Control Methods \[page 193\]](#)

Control methods allow you to execute start and stop operations, reserve systems, retrieve status information of instances and execute operations.

[Error Codes \[page 481\]](#)

This section lists possible error codes and the corresponding message.

2.2.1 Viewing Methods in Web Services Navigator

You view all web service methods available on the system in the WebServices Navigator.

Procedure

1. Log on to Web Services Navigator using the URL `http://<host>:<J2EE Port>/wsnavigator`.
2. Enter your administrator credentials.
3. In the *Search Service Interfaces* area, choose *Provider System*.
4. Search for service interface name **ACCAdapter**.
5. To view a list of all web service methods available, choose *Next*.

2.2.2 Method Overview

This section shows all available web service methods for SAP Landscape Management.

Table 6:

Method	Description
addCharacteristics [page 151]	Adds new characteristics.
addCharacteristicValues [page 159]	Adds characteristic values to characteristics.
addCharacterizations [page 164]	Assigns instances, hosts, or virtual hosts to characteristic values.
addCustomRelation [page 457]	Adds a new custom relation that defines a static relationships between entities.
addNetworkConfig [page 96]	Adds a new network to SAP Landscape Management.
addPoolConfig [page 38]	Adds a new pool to SAP Landscape Management.
autoselectComputerSystem [page 195]	Selects suitable computer systems for performing operations on instances or groups of instances.
cancelProcess [page 284]	Cancels a process which is currently being executed.
changePassword [page 215]	Modifies all passwords stored in SAP Landscape Management
clearNotes [page 211]	Clears notes for serviceID collections.
deleteCustomProcesses [page 413]	Deletes a custom process specified by its ID.

Method	Description
deleteCustomProperties [page 445]	Deletes custom properties.
deleteCustomRelation [page 465]	Deletes custom relations.
deleteCharacteristics [page 171]	Deletes characteristics.
deleteCharacterizations [page 168]	Deletes instances, hosts, or virtual hosts from characteristic values.
deleteCharacteristicValues [page 175]	Deletes characteristic values.
deleteNetworkConfig [page 109]	Deletes networks with the network ID specified in the input data from SAP Landscape Management if there are no referencing instances and hosts for that network.
deleteNetworkConfig2 [page 111]	Deletes details of networks with the network ID specified in the input data from SAP Landscape Management if there are no referencing instances and hosts for that network.
deleteOperationTemplate [page 395]	Deletes an operation template specified by its ID.
deletePoolConfig [page 50]	Deletes pools with the pool ID specified in the input data from SAP Landscape Management if there are no referencing instances and hosts for that pool.
deletePoolConfig2 [page 52]	Deletes details of pool configurations if there are no referencing instances and hosts for that pool.
deleteTemplates [page 371]	Deletes templates using the corresponding template IDs.
deleteTemplates2 [page 373]	Deletes templates using the corresponding template IDs.
downloadTemplate [page 376]	Downloads a template from SAP Landscape Management based on the template ID.
executeCustomProcess [page 424]	Executes a custom process specified by ID over an entity specified by ID.
executeOperation [page 202]	Executes operations on instances such as start, stop, or relocate.
executeOperationTemplate [page 398]	Executes an operation template specified by ID over an entity specified by ID.
executeTemplate [page 378]	Executes templates in SAP Landscape Management using the template ID that is already stored in SAP Landscape Management. To find out which operations are supported, search for Managing Provisioning Templates, within the Application Help.

Method	Description
getAdapterVersion [page 356]	Retrieves the adapter version.
getAllComputerSystemConfigHostnames [page 117]	Retrieves host names of all computer systems configured in SAP Landscape Management.
getAllComputerSystemConfigs [page 119]	Retrieves computer system details configured in SAP Landscape Management, along with their hardware, network, pool and SAP Host Agent information.
getAllComputerSystemData [page 339]	Retrieves details of all computer systems configured and available in SAP Landscape Management.
getAllComputerSystemHostnames [page 139]	Retrieves host names of all computer systems configured and available in SAP Landscape Management.
getAllNetworkConfigs [page 85]	Retrieves the details of all networks available in SAP Landscape Management for configuration.
getAllNetworkIds [page 83]	Retrieves IDs of all networks configured and available in SAP Landscape Management. The Network ID is the UUID as the unique identifier of networks.
getAllPoolConfigs [page 23]	Retrieves details of all pools available in SAP Landscape Management for configuration.
getAllPoolContainerConfigs [page 33]	Retrieves details of the pools for the given input pool ID collection.
getAllPoolData [page 304]	Retrieves details of all pool information configured and available in SAP Landscape Management. The Pool ID is the UUID and a unique identifier of pools. The pool data also includes information about the instances and the hosts configured under this pool.
getAllPoolIds [page 21]	Retrieves IDs of all pools configured and available in SAP Landscape Management. The Pool ID is the UUID and a unique identifier of pools.
getAllSystemServiceConfigIds [page 57]	Retrieves IDs of all systems available in SLD.
getAllSystemserviceConfigs [page 62]	Retrieves details of all root level system information available in SLD.
getAllSystemServiceData [page 320]	Retrieves details of all system-related information configured and available in SAP Landscape Management.
getAllSystemServiceIds [page 316]	Retrieves details of all the systems available in SAP Landscape Management along with some property information such as system ID, or system type.

Method	Description
getCharacteristic [page 179]	Retrieves details of a specific characteristic defined.
getCharacteristics [page 184]	Retrieves details of all characteristics defined.
getCharacterizations [page 190]	Retrieves details of elements assigned to characteristic values.
getComputerSystemConfigs [page 125]	Retrieves information related to the requested computer system host names. That includes information about the hardware configuration, as to whether its AC-managed or not, as to whether it is AC-operational, or AC-enabled, as well as pool- and network related details, SAP Host Agent details and so on.
getComputerSystemData [page 348]	Retrieves details of computer systems along with complete information for all host names specified in the input data.
getCustomProcessDetails [page 407]	Retrieves extended information about a custom process specified by its ID.
getCustomProperties [page 433]	Retrieves custom properties.
getCustomRelations [page 473]	Retrieves custom relations configured
getCustomRelationType [page 451]	Retrieves custom relation source entity types and target entity types.
getNetworkConfigs [page 90]	Retrieves details of the network configuration for the input network ID collection specified.
getOperationProcessStatus [page 209]	Retrieves the status of the operation executed. The input of this method should be the process ID which was returned in the result of <code>executeOperation</code> .
getOperationTemplateDetails [page 388]	Retrieves extended information about the operation template specified by its ID.
getPoolConfigs [page 28]	Retrieves details of the pools for the input pool ID collection specified.
getPoolData [page 309]	Retrieves details of the pool information for all collections of pool IDs specified in the input data. The Pool ID is the UUID and a unique identifier of pools. The pool data also includes information about the instances and the hosts configured under this pool.
getProcessDetails [page 234]	Retrieves process details using process IDs.
getProcessesOfState [page 249]	Retrieves details of a process state using process IDs.

Method	Description
getProcessStepLog [page 264]	Retrieves logs for one step in one process.
getRKSConfigurationsData [page 301]	Retrieves all rolling kernel switch (RKS) configurations created for a system.
listScheduledTemplates [page 364]	Retrieves all or defined templates scheduled, based on operation or provisioning template IDs
deleteScheduledTemplate [page 369]	Deletes scheduled templates where the ID is provided as parameter.
getServiceConfigForSystem [page 65]	Retrieves the complete details of the system along with the details of its children for the system specified for the input system service ID.
getServiceData [page 324]	Retrieves details of the instance for the service ID collection specified in the input data.
getServiceDataForSystem [page 332]	Retrieves details of the input system along with full context information of the system and its children. The method returns a collection of service data, the system details and its children details.
getValidations [page 220]	Retrieves information about all validations for a specific entity type.
getValidationResults [page 224]	Retrieves results of the runtime validation using entity IDs.
holdProcess [page 272]	Holds (suspends) a process which is currently being executed.
listCustomProcesses [page 405]	Lists all custom processes.
listOperationTemplates [page 386]	Lists all operation templates.
listTemplates [page 360]	Lists the template IDs and template names stored in SAP Landscape Management.
listTemplates2 [page 362]	Lists the template IDs and template names stored in SAP Landscape Management
queryEntitiesById [page 287]	Searchs for various entity properties available in your landscape.
queryEntitiesFullText [page 294]	Search for various entity properties available in your landscape.
releaseProcess [page 276]	Releases a process which is currently on hold (suspended).
resolveCustomProcess [page 415]	Tries to resolve a custom process specified by ID over an entity specified by ID.

Method	Description
respondToProcessStep [page 279]	Responds to a process step waiting for user interaction.
retryProcess [page 269]	Retries a failed process.
storeKey [page 141]	Stores the decryption passcode of the encrypted property values within the template.
storeTemplate [page 143]	Stores the partner template in SAP Landscape Management in XML format.
storeTemplate2 [page 146]	Stores the partner template in SAP Landscape Management in XML format.
updateComputerSystemConfig [page 132]	Modifies existing configuration data for a computer system, such as its pool- or, network-related details, SAP Host Agent details, details as to whether it is adaptive-enabled or not, AC-operational etc.
updateCustomProperties [page 439]	Modifies custom properties.
updateNetworkConfig [page 104]	Modifies details of the network specified in the input data. The Network ID cannot be changed and is the unique identifier for the network.
updatePoolConfig [page 45]	Modifies details of the pool specified in the input data. The Pool ID cannot be changed and is the unique identifier for the pool.
updateServiceConfigForSystem [page 74]	Modifies the instance configuration of the system.
updateTemplate [page 148]	Modifies an existing template in SAP Landscape Management. The template ID must be part of the template. The ID attribute should be part of the template tag within the XML file.
validateTemplate [page 381]	Validates an existing template using the template ID.
validateTemplate2 [page 382]	Validates an existing template using the template ID.

2.2.3 Configuration Methods

Configuration methods allow you to configure instances, systems, networks, and pools.

[Pool Configuration \[page 20\]](#)

Pool configuration comprises a collection of methods to add, delete, and access pool information.

[Service Configuration \[page 57\]](#)

Service configuration exposes methods to add, delete, and access network information.

[Network Configuration \[page 82\]](#)

Network configuration exposes methods to add, delete, and access network information.

[Computer System Configuration \[page 116\]](#)

Computer system configuration exposes methods to access, modify, and delete resource information.

[Template Configuration \[page 141\]](#)

[Characteristics Configuration \[page 150\]](#)

Characteristics configuration exposes methods to add, delete, and receive characteristics information.

2.2.3.1 Pool Configuration

Pool configuration comprises a collection of methods to add, delete, and access pool information.

[getAllPoolIds \[page 21\]](#)

This method retrieves IDs of all pools configured and available in SAP Landscape Management. The Pool ID is the UUID and a unique identifier of pools.

[getAllPoolConfigs \[page 23\]](#)

This method retrieves details of all pools available in SAP Landscape Management for configuration.

[getPoolConfigs \[page 28\]](#)

This method retrieves details of the pools for the input pool ID collection specified.

[getAllPoolContainerConfigs \[page 33\]](#)

This method retrieves details of the pools for the given input pool ID collection.

[addPoolConfig \[page 38\]](#)

This method adds a new pool to SAP Landscape Management.

[updatePoolConfig \[page 45\]](#)

This method modifies details of the pool mentioned in the input.

[deletePoolConfig \[page 50\]](#)

This method deletes pools with the pool ID specified in the input data from SAP Landscape Management if there are no referencing instances and hosts for that pool.

[deletePoolConfig2 \[page 52\]](#)

This method deletes details of pool configurations if there are no referencing instances and hosts for that pool.

Parent topic: [Configuration Methods \[page 19\]](#)

Related Information

[Service Configuration \[page 57\]](#)

[Network Configuration \[page 82\]](#)

[Computer System Configuration \[page 116\]](#)

[Template Configuration \[page 141\]](#)

[Characteristics Configuration \[page 150\]](#)

2.2.3.1.1 getAllPoolIds

This method retrieves IDs of all pools configured and available in SAP Landscape Management. The Pool ID is the UUID and a unique identifier of pools.

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getAllPoolIds xmlns:yql="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 7: PoolIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolIds	0	*	PoolId	Collection of pool IDs. This parameter is mandatory for method <code>getPoolConfigs</code> and method <code>getPoolData</code> .

Table 8: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	UUID identifier of the pool. This parameter is not required for method <code>addPoolConfig</code> . This parameter is mandatory for method <code>deletePoolConfig</code> and method <code>updatePoolConfig</code> .

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getAllPoolIdsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <PoolIds>1</PoolIds>
      <PoolIds>2</PoolIds>
      <PoolIds>3</PoolIds>
    </ns2:getAllPoolIdsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Pool Configuration \[page 20\]](#)

Related Information

[getAllPoolConfigs \[page 23\]](#)

[getPoolConfigs \[page 28\]](#)

[getAllPoolContainerConfigs \[page 33\]](#)

[addPoolConfig \[page 38\]](#)

[updatePoolConfig \[page 45\]](#)

[deletePoolConfig \[page 50\]](#)

[deletePoolConfig2 \[page 52\]](#)

2.2.3.1.2 getAllPoolConfigs

This method retrieves details of all pools available in SAP Landscape Management for configuration.

Request



Request Parameters

Void

Request Example

Sample Code

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:getAllPoolConfigs xmlns:yq1="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 9: PoolConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolConfigs	0	*	PoolConfig	Collection of pool configurations.

Table 10: PoolConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	PoolId	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig 2</code> and method <code>updatePoolConfig</code>.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Description	0	1	String	Description for the entity.
ReferencingServices	0	1	Integer	Number of instances configured under this pool. This parameter is not required for method addPoolConfig or addNetworkConfig.
ReferencingComputerSystems	0	1	Integer	Number of hosts configured under this pool. This parameter is not required for method addPoolConfig or addNetworkConfig.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 11: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>

Table 12: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 13: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getAllPoolConfigsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <PoolConfigs>
        <PoolId>1</PoolId>
        <Name>SimPool2</Name>
        <ReferencingServices>4</ReferencingServices>
        <ReferencingComputerSystems>7</ReferencingComputerSystems>
      </PoolConfigs>
      <PoolConfigs>
        <PoolId>2</PoolId>
        <Name>SimPool</Name>
        <ReferencingServices>18</ReferencingServices>
        <ReferencingComputerSystems>40</ReferencingComputerSystems>
      </PoolConfigs>
      <PoolConfigs>
        <PoolId>5</PoolId>
        <Name>TestPool</Name>
        <Description>Pool for testing</Description>
        <ReferencingServices>0</ReferencingServices>
        <ReferencingComputerSystems>1</ReferencingComputerSystems>
      </PoolConfigs>
    </ns2:getAllPoolConfigsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Pool Configuration \[page 20\]](#)

Related Information

[getAllPoolIds \[page 21\]](#)

[getPoolConfigs \[page 28\]](#)

[getAllPoolContainerConfigs \[page 33\]](#)

[addPoolConfig \[page 38\]](#)

[updatePoolConfig \[page 45\]](#)

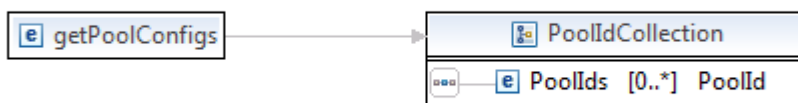
[deletePoolConfig \[page 50\]](#)

[deletePoolConfig2 \[page 52\]](#)

2.2.3.1.3 getPoolConfigs

This method retrieves details of the pools for the input pool ID collection specified.

Request



Request Parameters

Table 14: PoolIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolIds	0	*	PoolId	Collection of pool IDs. This parameter is mandatory for method <code>getPoolConfigs</code> and method <code>getPoolData</code> .

Table 15: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	UUID identifier of the pool. This parameter is not required for method <code>addPoolConfig</code> . This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code> .

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getPoolConfigs xmlns:yql="http://xml.sap.com/2007/07/acc">
      <PoolIds>2</PoolIds>
      <PoolIds>5</PoolIds>
    </yql:getPoolConfigs>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 16: PoolConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolConfigs	0	*	PoolConfig	Collection of pool configurations.

Table 17: PoolConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	PoolId	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> and method <code>updatePoolConfig</code>.</p>
Name	1	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
Description	0	1	String	Description for the entity.
ReferencingServices	0	1	Integer	<p>Number of instances configured under this pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code>.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ReferencingComputerSystems	0	1	Integer	Number of hosts configured under this pool. This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code> .
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 18: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 19: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getPoolConfigsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <PoolConfigs>
        <PoolId>2</PoolId>
        <Name>SimPool</Name>
        <ReferencingServices>18</ReferencingServices>
        <ReferencingComputerSystems>40</ReferencingComputerSystems>
      </PoolConfigs>
      <PoolConfigs>
        <PoolId>5</PoolId>
        <Name>TestPool</Name>
        <Description>Pool for testing</Description>
        <ReferencingServices>0</ReferencingServices>
        <ReferencingComputerSystems>1</ReferencingComputerSystems>
      </PoolConfigs>
    </ns2:getPoolConfigsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Pool Configuration \[page 20\]](#)

Related Information

[getAllPoolIds \[page 21\]](#)

[getAllPoolConfigs \[page 23\]](#)

[getAllPoolContainerConfigs \[page 33\]](#)

[addPoolConfig \[page 38\]](#)

[updatePoolConfig \[page 45\]](#)

[deletePoolConfig \[page 50\]](#)

[deletePoolConfig2 \[page 52\]](#)

2.2.3.1.4 getAllPoolContainerConfigs

This method retrieves details of the pools for the given input pool ID collection.

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getAllPoolContainerConfigs xmlns:yql="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 20: PoolContainerConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolContainerConfigs	0	*	PoolContainerConfig	Collection of pool container configurations.

Table 21: PoolContainerConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ContainerId	0	1	String	UUID identifier of the container.
Name	0	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Description	0	1	String	Description for the entity.
ParentId	0	1	String	Unique identifier for the service that is a parent of this one.
PoolConfigCollection	0	1	PoolConfigCollection	Collection with properties for pool configuration.

Table 22: PoolConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolConfigs	0	*	PoolConfig	Collection of pool configurations.

Table 23: PoolConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	PoolId	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> and method <code>updatePoolConfig</code>.</p>
Name	1	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
Description	0	1	String	Description for the entity.
ReferencingServices	0	1	Integer	<p>Number of instances configured under this pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code>.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ReferencingComputerSystems	0	1	Integer	Number of hosts configured under this pool. This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code> .
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 24: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 25: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
/XMLSchema-instance">
<SOAP-ENV:Body>
<ns2:getAllPoolContainerConfigsResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">
  <PoolContainerConfigs>
    <ContainerId>1</ContainerId>
    <Name>TestContainer</Name>
    <PoolConfigCollection/>
  </PoolContainerConfigs>
  <PoolContainerConfigs>
    <ContainerId>2</ContainerId>
    <Name>TestSubContainer</Name>
    <ParentId>1</ParentId>
    <PoolConfigCollection>
      <PoolConfigs>
        <PoolId>4</PoolId>
        <Name>TestPool</Name>
        <ReferencingServices>0</ReferencingServices>
        <ReferencingComputerSystems>0</ReferencingComputerSystems>
      </PoolConfigs>
    </PoolConfigCollection>
  </PoolContainerConfigs>
</ns2:getAllPoolContainerConfigsResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Pool Configuration \[page 20\]](#)

Related Information

[getAllPoolIds \[page 21\]](#)

[getAllPoolConfigs \[page 23\]](#)

[getPoolConfigs \[page 28\]](#)

[addPoolConfig \[page 38\]](#)

[updatePoolConfig \[page 45\]](#)

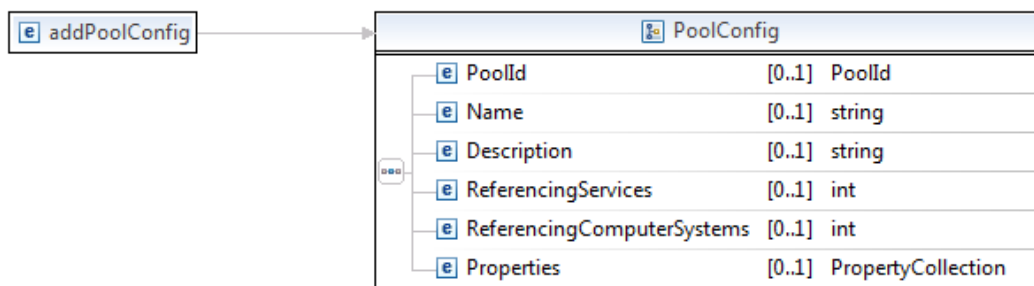
[deletePoolConfig \[page 50\]](#)

[deletePoolConfig2 \[page 52\]](#)

2.2.3.1.5 addPoolConfig

This method adds a new pool to SAP Landscape Management.

Request



Request Parameters

Table 26: PoolConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	PoolId	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Description	0	1	String	Description for the entity.
ReferencingServices	0	1	Integer	Number of instances configured under this pool. This parameter is not required for method addPoolConfig or addNetworkConfig.
ReferencingComputerSystems	0	1	Integer	Number of hosts configured under this pool. This parameter is not required for method addPoolConfig or addNetworkConfig.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 27: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>

Table 28: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 29: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
Value	0	1	String	Value for the corresponding Name property.

Request Example

Sample Code

XML

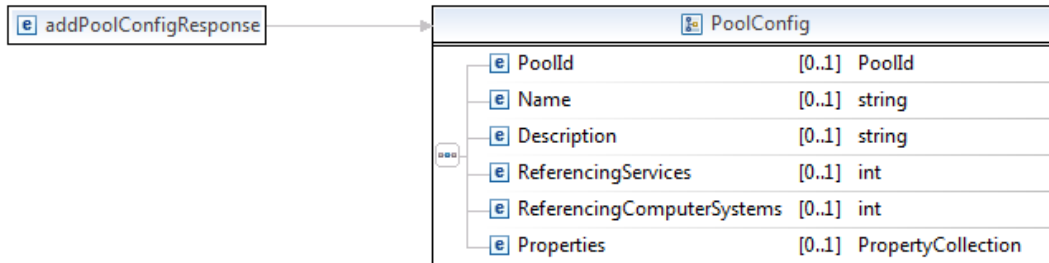
```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:addPoolConfig xmlns:yql="http://xml.sap.com/2007/07/acc">
      <PoolId/>
      <Name>Test Pool</Name>
      <Description>Pool for testing</Description>
      <ReferencingServices/>
      <ReferencingComputerSystems/>
      <Properties/>
    </yql:addPoolConfig>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Sample Code

Java

```
try {
  PoolConfig poolCfg = new PoolConfig();
  poolCfg.setName("Test Pool");
  poolCfg.setDescription("Pool for testing");
  poolCfg.setReferencingComputerSystems(0);
  poolCfg.setReferencingServices(0);
  adapter.addPoolConfig(poolCfg);
}
catch (RemoteException e)
{
  //exception handling
}
catch (ACCFault e)
{
  //exception handling
  //analyze the error code to understand the cause of exception
}
```

Response



Response Parameters

Table 30: PoolConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	PoolId	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>
Name	1	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> <code>addNetworkConfig</code> <code>addPoolConfig</code> <code>updateNetworkConfig</code> <code>updatePoolConfig</code>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Description	0	1	String	Description for the entity.
ReferencingServices	0	1	Integer	Number of instances configured under this pool. This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code> .
ReferencingComputerSystems	0	1	Integer	Number of hosts configured under this pool. This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code> .
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 31: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	UUID identifier of the pool. This parameter is not required for method <code>addPoolConfig</code> . This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code> .

Table 32: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 33: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:addPoolConfigResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <PoolId>5</PoolId>
      <Name>TestPool</Name>
      <Description>Pool for testing</Description>
    </ns2:addPoolConfigResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Pool Configuration \[page 20\]](#)

Related Information

[getAllPoolIds \[page 21\]](#)

[getAllPoolConfigs \[page 23\]](#)

[getPoolConfigs \[page 28\]](#)

[getAllPoolContainerConfigs \[page 33\]](#)

[updatePoolConfig \[page 45\]](#)

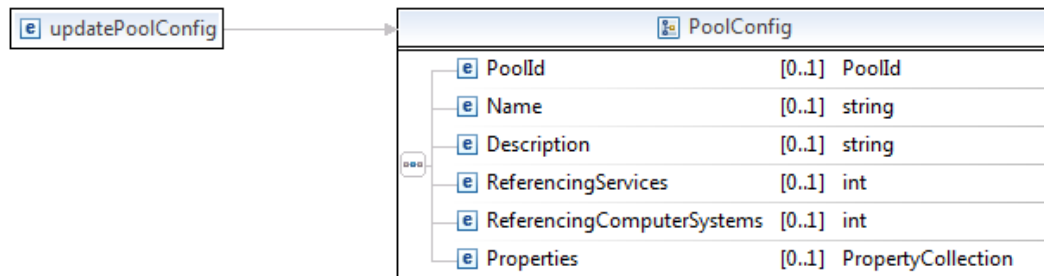
[deletePoolConfig \[page 50\]](#)

[deletePoolConfig2 \[page 52\]](#)

2.2.3.1.6 updatePoolConfig

This method modifies details of the pool mentioned in the input.

Request



Request Parameters

Table 34: PoolConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	PoolId	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> and method <code>updatePoolConfig</code>.</p>
Name	1	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
Description	0	1	String	Description for the entity.
ReferencingServices	0	1	Integer	<p>Number of instances configured under this pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code>.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ReferencingComputerSystems	0	1	Integer	Number of hosts configured under this pool. This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code> .
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 35: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	UUID identifier of the pool. This parameter is not required for method <code>addPoolConfig</code> . This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code> .

Table 36: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 37: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:updatePoolConfig xmlns:yq1="http://xml.sap.com/2007/07/acc">
      <PoolId>1</PoolId>
      <Name>ModifiedTestPool</Name>
      <Description>Modified description</Description>
    </yq1:updatePoolConfig>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Sample Code

Java

```
try {
PoolConfig[] allPoolConfig = adapter.getAllPoolConfigs(new
Void()).getPoolConfigs();
//Iterate thru the pool configuration objects
for(PoolConfig eachPoolConfig : allPoolConfig){
if(eachPoolConfig.getName().equals("TestPool")){
eachPoolConfig.setName("ModifiedTestPool");
eachPoolConfig.setDescription("Modified description");
//update the pool config object
adapter.updatePoolConfig(eachPoolConfig);
}
}
```

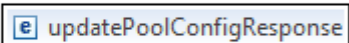


```

} catch (RemoteException e) {
//exception handling
} catch (ACCFault e) {
//exception handling
//analyze the error code to understand the cause of exception
}

```

Response



Response Parameters

Table 38:

Type	Description
Boolean	true/ false

Response Example

Sample Code

XML

```

<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:updatePoolConfigResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">true</ns2:updatePoolConfigResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Pool Configuration \[page 20\]](#)

Related Information

[getAllPoolIds \[page 21\]](#)

[getAllPoolConfigs \[page 23\]](#)

[getPoolConfigs \[page 28\]](#)

[getAllPoolContainerConfigs \[page 33\]](#)

[addPoolConfig \[page 38\]](#)

[deletePoolConfig \[page 50\]](#)

[deletePoolConfig2 \[page 52\]](#)

2.2.3.17 deletePoolConfig

This method deletes pools with the pool ID specified in the input data from SAP Landscape Management if there are no referencing instances and hosts for that pool.

Request



Request Parameters

Table 39: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	UUID identifier of the pool. This parameter is not required for method <code>addPoolConfig</code> . This parameter is mandatory for method <code>deletePoolConfig2</code> and method <code>updatePoolConfig</code> .


Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:deletePoolConfig xmlns:yql="http://xml.sap.com/2007/07/acc">1</
yql:deletePoolConfig>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 deletePoolConfigResponse

Response Parameters

Table 40:

Type	Description
Boolean	true/ false

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:deletePoolConfigResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">true</ns2:deletePoolConfigResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Pool Configuration \[page 20\]](#)

Related Information

[getAllPoolIds](#) [page 21]

[getAllPoolConfigs](#) [page 23]

[getPoolConfigs](#) [page 28]

[getAllPoolContainerConfigs](#) [page 33]

[addPoolConfig](#) [page 38]

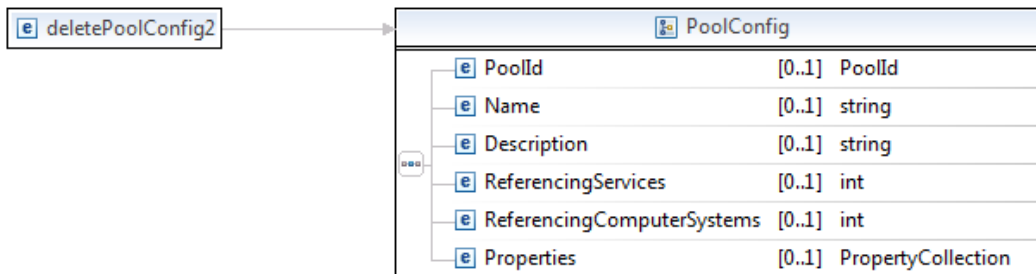
[updatePoolConfig](#) [page 45]

[deletePoolConfig2](#) [page 52]

2.2.3.1.8 deletePoolConfig2

This method deletes details of pool configurations if there are no referencing instances and hosts for that pool.

Request



Request Parameters

Table 41: PoolConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	PoolId	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>
Name	1	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
Description	0	1	String	Description for the entity.
ReferencingServices	0	1	Integer	<p>Number of instances configured under this pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code>.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ReferencingComputerSystems	0	1	Integer	Number of hosts configured under this pool. This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code> .
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 42: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	UUID identifier of the pool. This parameter is not required for method <code>addPoolConfig</code> . This parameter is mandatory for method <code>deletePoolConfig2</code> and method <code>updatePoolConfig</code> .

Table 43: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 44: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.


Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:deletePoolConfig2 xmlns:yql="http://xml.sap.com/2007/07/acc">
      <PoolId>4</PoolId>
      <Name/>
      <Description/>
      <ReferencingServices/>
      <ReferencingComputerSystems/>
      <Properties/>
    </yql:deletePoolConfig2>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 deletePoolConfigResponse

Response Parameters

Table 45:

Type	Description
Boolean	true/ false

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:deletePoolConfig2Response xmlns:ns2="http://xml.sap.com/2007/07/
acc">true</ns2:deletePoolConfig2Response>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Pool Configuration \[page 20\]](#)

Related Information

[getAllPoolIds \[page 21\]](#)

[getAllPoolConfigs \[page 23\]](#)

[getPoolConfigs \[page 28\]](#)

[getAllPoolContainerConfigs \[page 33\]](#)

[addPoolConfig \[page 38\]](#)

[updatePoolConfig \[page 45\]](#)

[deletePoolConfig \[page 50\]](#)

2.2.3.2 Service Configuration

Service configuration exposes methods to add, delete, and access network information.

[getAllSystemServiceConfigIds \[page 57\]](#)

This method retrieves IDs of all systems available in SLD.

[getAllSystemserviceConfigs \[page 62\]](#)

This method retrieves details of all root level system information available in SLD.

[getServiceConfigForSystem \[page 65\]](#)

This method retrieves the complete details of the system along with the details of its children for the system specified for the input system service ID.

[updateServiceConfigForSystem \[page 74\]](#)

This method modifies instance configuration of the system.

Parent topic: [Configuration Methods \[page 19\]](#)

Related Information

[Pool Configuration \[page 20\]](#)

[Network Configuration \[page 82\]](#)

[Computer System Configuration \[page 116\]](#)

[Template Configuration \[page 141\]](#)

[Characteristics Configuration \[page 150\]](#)

2.2.3.2.1 getAllSystemServiceConfigIds

This method retrieves IDs of all systems available in SLD.

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>  
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"  
  xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/  
  XMLSchema-instance">  
  <SOAP-ENV:Body>  
    <yq1:getAllSystemServiceConfigIds xmlns:yq1="http://xml.sap.com/2007/07/acc"/>  
  </SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 46: ServiceIdInfoCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceIdInfos	0	*	ServiceIdInfo	Contains a collection of service ID information.

Table 47: ServiceIdInfo

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	1	1	ServiceId	Unique identifier for the service.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	1	1	ServiceType	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate
ServiceIdProperties	1	1	PropertyCollection	Name, value pairs where the values for keys like SystemId, SystemHost, SystemType etc. are set.
SldCimSystemCreationClassName	0	1	String	Refers to the SystemCreationClassName for this service in SLD.
SldCimSystemName	0	1	String	Refers to the CIM System Name for this service in SLD.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 48: ServiceId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	not applicable	not applicable	String	Unique identifier for the service.

Table 49: ServiceType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	not applicable	not applicable	String	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate

Table 50: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 51: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
```

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getAllSystemServiceConfigIdsResponse xmlns:ns2="http://xml.sap.com/
2007/07/acc">
      <ServiceIdInfos>
        <ServiceId>SystemID.AA3.SystemHost.vhdbaa3</ServiceId>
        <ServiceType>System</ServiceType>
        <ServiceIdProperties>
          <Properties>
            <Name>SystemID</Name>
            <Value>AA3</Value>
          </Properties>
          <Properties>
            <Name>SystemHost</Name>
            <Value>vhdbaa3</Value>
          </Properties>
        </ServiceIdProperties>
      </ServiceIdInfos>
      <ServiceIdInfos>
        <ServiceId>SystemID.AJ1.SystemHost.simpf00-vr-13</ServiceId>
        <ServiceType>System</ServiceType>
        <ServiceIdProperties>
          <Properties>
            <Name>SystemID</Name>
            <Value>AJ1</Value>
          </Properties>
          <Properties>
            <Name>SystemHost</Name>
            <Value>simpf00-vr-13</Value>
          </Properties>
        </ServiceIdProperties>
      </ServiceIdInfos>
      <ServiceIdInfos>
        <ServiceId>SystemID.AN0.SystemHost.simpf00-vr-14</ServiceId>
        <ServiceType>System</ServiceType>
        <ServiceIdProperties>
          <Properties>
            <Name>SystemID</Name>
            <Value>AN0</Value>
          </Properties>
          <Properties>
            <Name>SystemHost</Name>
            <Value>simpf00-vr-14</Value>
          </Properties>
        </ServiceIdProperties>
      </ServiceIdInfos>
    </ns2:getAllSystemServiceConfigIdsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Service Configuration \[page 57\]](#)

Related Information

[getAllSystemServiceConfigs \[page 62\]](#)

[getServiceConfigForSystem \[page 65\]](#)

[updateServiceConfigForSystem \[page 74\]](#)

2.2.3.2.2 getAllSystemServiceConfigs

This method retrieves details of all root level system information available in SLD.

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:getAllSystemServiceConfigs xmlns:yq1="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 52: SystemServiceConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemServiceConfigs	0	*	SystemServiceConfig	Collection of details of root system configuration objects.

Table 53: SystemServiceConfig extends AbstractServiceAggregateConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
SystemHost	1	1	String	System host of the service.
SystemType	1	1	String	System type of the service.
PoolId	0	1	PoolId	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>

Table 54: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getAllSystemServiceConfigsResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">
      <SystemServiceConfigs>
        <ServiceId>SystemID.AA3.SystemHost.vhdbaa3</ServiceId>
        <ServiceType>System</ServiceType>
        <ACManaged>>true</ACManaged>
        <ComponentType>System/Abap</ComponentType>
        <Release>7.31</Release>
        <SystemId>AA3</SystemId>
        <SystemHost>vhdbaa3</SystemHost>
        <SystemType>SYSTEM_TYPE_NOT_APPLICABLE</SystemType>
        <PoolId>1</PoolId>
      </SystemServiceConfigs>
      <SystemServiceConfigs>
        <ServiceId>SystemID.AJ1.SystemHost.simpf00-vr-13</ServiceId>
        <ServiceType>System</ServiceType>
        <ACManaged>>true</ACManaged>
        <ComponentType>System/Abap</ComponentType>
        <Release>7.03</Release>
        <SystemId>AJ1</SystemId>
        <SystemHost>simpf00-vr-13</SystemHost>
        <SystemType>SYSTEM_TYPE_NOT_APPLICABLE</SystemType>
        <PoolId>1</PoolId>
      </SystemServiceConfigs>
    </ns2:getAllSystemServiceConfigsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Service Configuration \[page 57\]](#)

Related Information

[getAllSystemServiceConfigIds \[page 57\]](#)

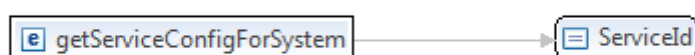
[getServiceConfigForSystem \[page 65\]](#)

[updateServiceConfigForSystem \[page 74\]](#)

2.2.3.2.3 getServiceConfigForSystem

This method retrieves the complete details of the system along with the details of its children for the system specified for the input system service ID.

Request



Request Parameters

Table 55: ServiceId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	not applicable	not applicable	String	Unique identifier for the service.

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getServiceConfigForSystem xmlns:yql="http://xml.sap.com/2007/07/
acc">SystemID.AA3, SystemHost.vhdbaa3</yql:getServiceConfigForSystem>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 56: ServiceConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceConfigs	0	*	ServiceConfig	Collection of ServiceConfig objects. This parameter is mandatory for method updateServiceConfigForSystem.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 57: ServiceConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	1	1	ServiceType	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceTypeSpecificContent	1	1	ServiceTypeSpecificConfig	Service type content contains one of the entries depending on the service type of the service.

Table 58: ServiceType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	not applicable	not applicable	String	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate

Table 59: ServiceTypeSpecificConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SAPInstanceServiceConfig	0	1	SAPInstanceServiceConfig	If the service type is "SAPInstance", there is a corresponding SAPInstanceServiceConfig and other 3 properties are null.
DatabaseServiceConfig	0	1	DatabaseServiceConfig	If the service type is database, there is a corresponding DatabaseServiceConfig and other 3 properties are null.
SystemServiceConfig	0	1	SystemServiceConfig	If the service type is 'System', there is a corresponding SystemServiceConfig and other 3 properties are null.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
HomogenousAggregateServiceConfig	0	1	HomogenousAggregateServiceConfig	If the service type is HomogenousAggregate, there is a corresponding HomogenousAggregateServiceConfig and other 3 properties are null.

Table 60: SAPInstanceServiceConfig extends AbstractServiceElementConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
InstanceNumber	1	1	String	Instance number of the service.
InstanceHost	1	1	String	Instance host of the service.
InstanceAgentDestinationConfig	0	1	DestinationConfig	Destination port and credentials of the agent.
StartProfilePath	0	1	String	Startprofile path.

Table 61: DatabaseServiceConfig extends AbstractServiceElementConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
DbHost	1	1	String	Indicates the database host of the service.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
DbType	1	1	String	Indicates the database type of the service. For example: <ul style="list-style-type: none"> • SAP • ADA • DB2 • DB4 • DB6 • INF • ORA • MSS
DbName	1	1	String	Indicates the database name of the service.
DbUsage	1	1	String	Indicates the database usage of the service. For example: <ul style="list-style-type: none"> • ABAP • Java • Doublestack • LiveCache
DbAdminCredentials	0	1	Credentials	Credentials for connecting to the database.

Table 62: SystemServiceConfig extends AbstractServiceAggregateConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
SystemHost	1	1	String	System host of the service.
SystemType	1	1	String	System type of the service.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	PoolId	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>

Table 63: HomogenousAggregateServiceConfig extends AbstractServiceAggregateConfig


Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
SystemHost	1	1	String	System host of the service.
SystemType	1	1	String	System type of the service.
ComponentTypeOfAggregatedServices	1	1	String	<p>Denotes what type of aggregated instances is grouped under this service.</p> <div style="background-color: #fff9c4; padding: 5px; border: 1px solid #ccc;"> <p> Example</p> <p>2EEEngineCluster/ CentralServiceInstanceSet – Grouping of CI instances of a J2EE system</p> </div>

Table 64: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>

Table 65: DestinationConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Port	0	1	Integer	Agent port.
UseHTTPS	0	1	Boolean	If 'HTTPS' is to be used for connection, set this field to true.
AgentCredentials	0	1	Credentials	Credentials for connecting to the agents.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 66: Credentials

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
User	1	1	String	User name
Password	0	1	String	Password
UpdateCredentials	1	1	Boolean	If <code>UpdateCredentials</code> is set to true, then the credentials are updated.

Table 67: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 68: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getServiceConfigForSystemResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">
      <ServiceConfigs>
        <ServiceType>HomogenousAggregate</ServiceType>
        <ServiceTypeSpecificContent>
          <HomogenousAggregateServiceConfig>
            <ServiceId>SystemID.AA3.SystemHost.vhdbaa3.SetType.Set_Database</
ServiceId>
            <ServiceType>HomogenousAggregate</ServiceType>
            <ACManaged>>true</ACManaged>
            <ComponentType>Set_Database/None</ComponentType>
            <Caption>Databases</Caption>
            <Description/>
            <ChildrenServiceIdCollection>
              <ServiceIdInfos>
```



```

<ServiceId>DatabaseName.AA3.DatabaseType.SAP.DatabaseHost.vhdbaa3</ServiceId>
  <ServiceType>Database</ServiceType>
  <ServiceIdProperties>
    <Properties>
      <Name>DatabaseName</Name>
      <Value>AA3</Value>
    </Properties>
    <Properties>
      <Name>DatabaseHost</Name>
      <Value>vhdbaa3</Value>
    </Properties>
    <Properties>
      <Name>DatabaseType</Name>
      <Value>SAP</Value>
    </Properties>
  </ServiceIdProperties>
</ServiceIdInfos>
</ChildrenServiceIdCollection>
<SystemId>AA3</SystemId>
<SystemHost>vhdbaa3</SystemHost>
<SystemType>SYSTEM_TYPE_NOT_APPLICABLE</SystemType>
<ComponentTypeOfAggregatedServices>Set_Database</
ComponentTypeOfAggregatedServices>
  </HomogenousAggregateServiceConfig>
</ServiceTypeSpecificContent>
</ServiceConfigs>
<ServiceConfigs>
  <ServiceType>Database</ServiceType>
  <ServiceTypeSpecificContent>
    <DatabaseServiceConfig>
      <ServiceId>DatabaseName.AA3.DatabaseType.SAP.DatabaseHost.vhdbaa3</
ServiceId>
      <ServiceType>Database</ServiceType>
      <ACManaged>true</ACManaged>
      <ComponentType>Instance_System_DB/ABAP</ComponentType>
      <Release>7.8.2</Release>
      <ACEnabled>>false</ACEnabled>
      <MountDataCollection/>
      <VirtualNetworkAddressConfig>
        <InstalledOnVirtualNetworkAddress>>true</
InstalledOnVirtualNetworkAddress>
      <NetworkIdOfPrimaryVirtualNetworkAddress>__not_linked_to_a_network__</
NetworkIdOfPrimaryVirtualNetworkAddress>
      </VirtualNetworkAddressConfig>
      <ComputerSystemRequirements>
        <Recommended>
          <Memory>0</Memory>
          <SAPS>0</SAPS>
        </Recommended>
      </ComputerSystemRequirements>
      <SystemId>AA3</SystemId>
      <DbHost>vhdbaa3</DbHost>
      <DbType>SAP</DbType>
      <DbName>AA3</DbName>
      <DbUsage/>
    </DatabaseServiceConfig>
  </ServiceTypeSpecificContent>
</ServiceConfigs>
</ns2:getServiceConfigForSystemResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Service Configuration \[page 57\]](#)

Related Information

[getAllSystemServiceConfigIds \[page 57\]](#)

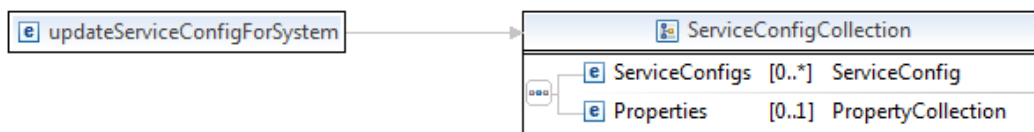
[getAllSystemserviceConfigs \[page 62\]](#)

[updateServiceConfigForSystem \[page 74\]](#)

2.2.3.2.4 updateServiceConfigForSystem

This method modifies instance configuration of the system.

Request



Request Parameters

Table 69: ServiceConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceConfigs	0	*	ServiceConfig	Collection of ServiceConfig objects. This parameter is mandatory for method updateServiceConfigForSystem.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 70: ServiceConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	1	1	ServiceType	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate
ServiceTypeSpecificContent	1	1	ServiceTypeSpecificConfig	Service type content contains one of the entries depending on the service type of the service.

Table 71: ServiceType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	not applicable	not applicable	String	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate

Table 72: ServiceTypeSpecificConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SAPInstanceServiceConfig	0	1	SAPInstanceServiceConfig	If the service type is "SAPInstance", there is a corresponding SAPInstanceServiceConfig and other 3 properties are null.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
DatabaseServiceConfig	0	1	DatabaseServiceConfig	If the service type is database, there is a corresponding DatabaseServiceConfig and other 3 properties are null.
SystemServiceConfig	0	1	SystemServiceConfig	If the service type is 'System', there is a corresponding SystemServiceConfig and other 3 properties are null.
HomogenousAggregateServiceConfig	0	1	HomogenousAggregateServiceConfig	If the service type is HomogenousAggregate, there is a corresponding HomogenousAggregateServiceConfig and other 3 properties are null.

Table 73: SAPInstanceServiceConfig extends AbstractServiceElementConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
InstanceNumber	1	1	String	Instance number of the service.
InstanceHost	1	1	String	Instance host of the service.
InstanceAgentDestinationConfig	0	1	DestinationConfig	Destination port and credentials of the agent.
StartProfilePath	0	1	String	Startprofile path.

Table 74: DatabaseServiceConfig extends AbstractServiceElementConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
DbHost	1	1	String	Indicates the database host of the service.
DbType	1	1	String	Indicates the database type of the service. For example: <ul style="list-style-type: none"> • SAP • ADA • DB2 • DB4 • DB6 • INF • ORA • MSS
DbName	1	1	String	Indicates the database name of the service.
DbUsage	1	1	String	Indicates the database usage of the service. For example: <ul style="list-style-type: none"> • ABAP • Java • Doublestack • LiveCache
DbAdminCredentials	0	1	Credentials	Credentials for connecting to the database.

Table 75: SystemServiceConfig extends AbstractServiceAggregateConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
SystemHost	1	1	String	System host of the service.
SystemType	1	1	String	System type of the service.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	PoolId	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>

Table 76: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>

Table 77: HomogenousAggregateServiceConfig extends AbstractServiceAggregateConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
SystemHost	1	1	String	System host of the service.
SystemType	1	1	String	System type of the service.


Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ComponentTypeOfAggregatedServices	1	1	String	Denotes what type of aggregated instances is grouped under this service. <div style="background-color: #fff9c4; padding: 5px; border: 1px solid #ccc;"> <p> Example</p> <p>2EEEngineCluster/CentralServiceInstanceSet – Grouping of CI instances of a J2EE system</p> </div>

Table 78: DestinationConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Port	0	1	Integer	Agent port.
UseHTTPS	0	1	Boolean	If 'HTTPS' is to be used for connection, set this field to true.
AgentCredentials	0	1	Credentials	Credentials for connecting to the agents.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 79: Credentials

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
User	1	1	String	User name
Password	0	1	String	Password
UpdateCredentials	1	1	Boolean	If UpdateCredentials is set to true, then the credentials are updated.

Table 80: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 81: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Request Example

Sample Code


XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:updateServiceConfigForSystem xmlns:yql="http://xml.sap.com/2007/07/acc">
      <ServiceConfigs>
        <ServiceType>System</ServiceType>
        <ServiceTypeSpecificContent>
          <SystemServiceConfig>
            <ServiceId>SystemID.AA3.SystemHost.vhdbaa3</ServiceId>
            <ServiceType>System</ServiceType>
            <ACManaged>false</ACManaged>
            <ComponentType>System/Abap</ComponentType>
            <SystemId>AA3</SystemId>
            <SystemHost>vhdbaa3</SystemHost>
            <SystemType>SYSTEM_TYPE_NOT_APPLICABLE</SystemType>
          </SystemServiceConfig>
        </ServiceTypeSpecificContent>
      </ServiceConfigs>
    </yql:updateServiceConfigForSystem>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



```
</yql:updateServiceConfigForSystem>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 updateServiceConfigForSystemResponse

Response Parameters

Table 82:

Type	Description
Boolean	true/ false

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:updateServiceConfigForSystemResponse xmlns:ns2="http://xml.sap.com/
2007/07/acc">true</ns2:updateServiceConfigForSystemResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Service Configuration \[page 57\]](#)

Related Information

[getAllSystemServiceConfigIds \[page 57\]](#)

[getAllSystemserviceConfigs \[page 62\]](#)

[getServiceConfigForSystem \[page 65\]](#)

2.2.3.3 Network Configuration

Network configuration exposes methods to add, delete, and access network information.

[getAllNetworkIds \[page 83\]](#)

This method retrieves IDs of all networks configured and available in SAP Landscape Management.

[getAllNetworkConfigs \[page 85\]](#)

This method retrieves the details of all networks available in SAP Landscape Management for configuration.

[getNetworkConfigs \[page 90\]](#)

This method retrieves details of the network configuration for the given input network ID collection specified.

[addNetworkConfig \[page 96\]](#)

This method adds a network to SAP Landscape Management

[updateNetworkConfig \[page 104\]](#)

This method modifies details of the network specified in the input data. Network ID cannot be changed and is the unique identifier for the network.

[deleteNetworkConfig \[page 109\]](#)

This method deletes networks with the network ID mentioned in the input data from SAP Landscape Management if there are no referencing instances and hosts for that network.

[deleteNetworkConfig2 \[page 111\]](#)

This method deletes details of networks with the network ID mentioned in the input data from SAP Landscape Management if there are no referencing instances and hosts for that network.

Parent topic: [Configuration Methods \[page 19\]](#)

Related Information

[Pool Configuration \[page 20\]](#)

[Service Configuration \[page 57\]](#)

[Computer System Configuration \[page 116\]](#)

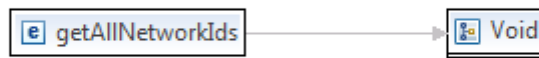
[Template Configuration \[page 141\]](#)

[Characteristics Configuration \[page 150\]](#)

2.2.3.3.1 getAllNetworkIds

This method retrieves IDs of all networks configured and available in SAP Landscape Management.

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getAllNetworkIds xmlns:yql="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 83: NetworkIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkIds	0	*	NetworkId	Collection of network IDs. This parameter is mandatory for method <code>getNetworkConfigs</code> .

Table 84: NetworkId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	String	Identifier of the network which is a UUID. This parameter is not required for method <code>addNetworkConfig</code> . This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code> .

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getAllNetworkIdsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <NetworkIds>networkId-06d294d6-da6c-11e2-bc81-000000665ce2</NetworkIds>
      <NetworkIds>networkId-06d294d5-da6c-11e2-ab35-000000665ce2</NetworkIds>
    </ns2:getAllNetworkIdsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Network Configuration \[page 82\]](#)

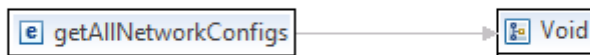
Related Information

[getAllNetworkConfigs \[page 85\]](#)
[getNetworkConfigs \[page 90\]](#)
[addNetworkConfig \[page 96\]](#)
[updateNetworkConfig \[page 104\]](#)
[deleteNetworkConfig \[page 109\]](#)
[deleteNetworkConfig2 \[page 111\]](#)

2.2.3.3.2 getAllNetworkConfigs

This method retrieves the details of all networks available in SAP Landscape Management for configuration.

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getAllNetworkConfigs xmlns:yql="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 85: NetworkConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkConfigs	0	*	NetworkConfig	Collection of network configurations.

Table 86: NetworkConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	NetworkID	<p>Identifier of the network which is a UUID.</p> <p>This parameter is not required for method <code>addNetworkConfig</code>.</p> <p>This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code>.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	0	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
NetworkMask	0	1	String	<p>Subnet mask of a network.</p> <p>This parameter is mandatory for method addNetworkConfig and method updateNetworkConfig.</p>
BroadcastAddress	0	1	String	<p>Broadcast address of a network.</p> <p>This parameter is mandatory for method addNetworkConfig and method updateNetworkConfig.</p>
ReferencingServices	0	1	Integer	<p>Number of instances configured under this pool.</p> <p>This parameter is not required for method addPoolConfig or addNetworkConfig.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ReferencingComputerSystems	0	1	Integer	Number of hosts configured under this pool. This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code> .
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 87: NetworkId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	String	Identifier of the network which is a UUID. This parameter is not required for method <code>addNetworkConfig</code> . This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code> .

Table 88: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 89: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getAllNetworkConfigsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <NetworkConfigs>
        <NetworkId>networkId-06d294d6-da6c-11e2-bc81-000000665ce2</NetworkId>
        <Name>SimNet2</Name>
        <NetworkMask>255.255.255.0</NetworkMask>
        <BroadcastAddress>192.168.33.255</BroadcastAddress>
        <ReferencingServices>0</ReferencingServices>
        <ReferencingComputerSystems>0</ReferencingComputerSystems>
      </NetworkConfigs>
      <NetworkConfigs>
        <NetworkId>networkId-06d294d5-da6c-11e2-ab35-000000665ce2</NetworkId>
        <Name>SimNet</Name>
        <NetworkMask>255.255.255.0</NetworkMask>
        <BroadcastAddress>10.10.10.255</BroadcastAddress>
        <ReferencingServices>61</ReferencingServices>
        <ReferencingComputerSystems>38</ReferencingComputerSystems>
      </NetworkConfigs>
    </ns2:getAllNetworkConfigsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Network Configuration \[page 82\]](#)

Related Information

[getAllNetworkIds \[page 83\]](#)

[getNetworkConfigs \[page 90\]](#)

[addNetworkConfig \[page 96\]](#)

[updateNetworkConfig \[page 104\]](#)

[deleteNetworkConfig \[page 109\]](#)

[deleteNetworkConfig2 \[page 111\]](#)

2.2.3.3.3 getNetworkConfigs

This method retrieves details of the network configuration for the given input network ID collection specified.

Request



Request Parameters

Table 90: NetworkIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkIds	0	*	NetworkId	Collection of network IDs. This parameter is mandatory for method <code>getNetworkConfigs</code> .

Table 91: NetworkId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	String	<p>Identifier of the network which is a UUID.</p> <p>This parameter is not required for method <code>addNetworkConfig</code>.</p> <p>This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code>.</p>

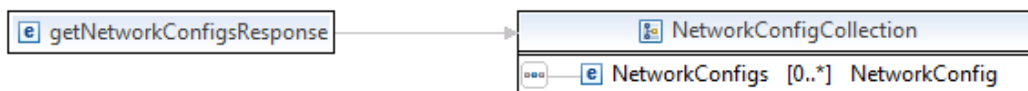
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getNetworkConfigs xmlns:yql="http://xml.sap.com/2007/07/acc">
      <NetworkIds>networkId-06d294d5-da6c-11e2-ab35-00000665ce2</NetworkIds>
    </yql:getNetworkConfigs>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 92: NetworkConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkConfigs	0	*	NetworkConfig	Collection of network configurations.

Table 93: NetworkConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	NetworkID	<p>Identifier of the network which is a UUID.</p> <p>This parameter is not required for method <code>addNetworkConfig</code>.</p> <p>This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code>.</p>
Name	0	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
NetworkMask	0	1	String	<p>Subnet mask of a network.</p> <p>This parameter is mandatory for method <code>addNetworkConfig</code> and method <code>updateNetworkConfig</code>.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
BroadcastAddress	0	1	String	Broadcast address of a network. This parameter is mandatory for method <code>addNetworkConfig</code> and method <code>updateNetworkConfig</code> .
ReferencingServices	0	1	Integer	Number of instances configured under this pool. This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code> .
ReferencingComputerSystems	0	1	Integer	Number of hosts configured under this pool. This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code> .
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 94: NetworkId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	String	<p>Identifier of the network which is a UUID.</p> <p>This parameter is not required for method <code>addNetworkConfig</code>.</p> <p>This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code>.</p>

Table 95: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 96: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getNetworkConfigsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <NetworkConfigs>
        <NetworkId>networkId-06d294d5-da6c-11e2-ab35-000000665ce2</NetworkId>
        <Name>SimNet</Name>
        <NetworkMask>255.255.255.0</NetworkMask>
        <BroadcastAddress>10.10.10.255</BroadcastAddress>
        <ReferencingServices>61</ReferencingServices>
        <ReferencingComputerSystems>38</ReferencingComputerSystems>
      </NetworkConfigs>
    </ns2:getNetworkConfigsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Network Configuration \[page 82\]](#)

Related Information

[getAllNetworkIds \[page 83\]](#)

[getAllNetworkConfigs \[page 85\]](#)

[addNetworkConfig \[page 96\]](#)

[updateNetworkConfig \[page 104\]](#)

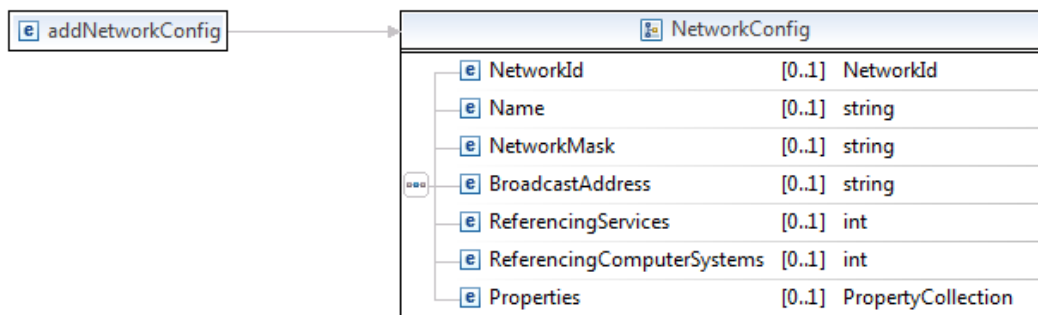
[deleteNetworkConfig \[page 109\]](#)

[deleteNetworkConfig2 \[page 111\]](#)

2.2.3.3.4 addNetworkConfig

This method adds a network to SAP Landscape Management

Request



Request Parameters

Table 97: NetworkConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	NetworkID	<p>Identifier of the network which is a UUID.</p> <p>This parameter is not required for method <code>addNetworkConfig</code>.</p> <p>This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code>.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	0	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
NetworkMask	0	1	String	<p>Subnet mask of a network.</p> <p>This parameter is mandatory for method addNetworkConfig and method updateNetworkConfig.</p>
BroadcastAddress	0	1	String	<p>Broadcast address of a network.</p> <p>This parameter is mandatory for method addNetworkConfig and method updateNetworkConfig.</p>
ReferencingServices	0	1	Integer	<p>Number of instances configured under this pool.</p> <p>This parameter is not required for method addPoolConfig or addNetworkConfig.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ReferencingComputerSystems	0	1	Integer	Number of hosts configured under this pool. This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code> .
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 98: NetworkId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	String	Identifier of the network which is a UUID. This parameter is not required for method <code>addNetworkConfig</code> . This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code> .

Table 99: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 100: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:addNetworkConfig xmlns:yql="http://xml.sap.com/2007/07/acc">
      <Name>Network1</Name>
      <NetworkMask>255.255.255.0</NetworkMask>
      <BroadcastAddress>10.10.10.255</BroadcastAddress>
    </yql:addNetworkConfig>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Sample Code

Java

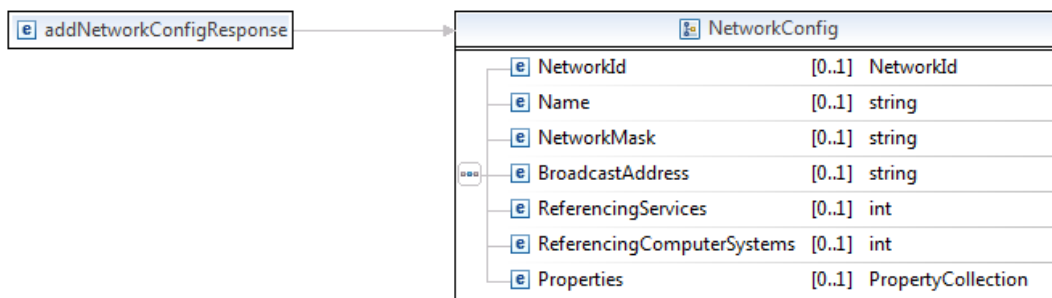
```
try {
  //No need to assign network ID since it is a unique identifier(UUID)
  //assigned internally by the adapter while a network is added
  NetworkConfig networkCfg = new NetworkConfig();
  networkCfg.setName( "Network1" );
  networkCfg.setNetworkMask( "255.255.255.0" );
  networkCfg.setBroadcastAddress( "10.10.10.255" );
  adapter.addNetworkConfig( networkCfg );
}
catch (RemoteException e)
{
  //exception handling
}
```

```

}
catch (ACCFault e)
{
//exception handling
//analyze the error code to understand the cause of exception
}

```

Response



Response Parameters

Table 101: NetworkConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	NetworkID	<p>Identifier of the network which is a UUID.</p> <p>This parameter is not required for method <code>addNetworkConfig</code>.</p> <p>This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code>.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	0	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
NetworkMask	0	1	String	<p>Subnet mask of a network.</p> <p>This parameter is mandatory for method addNetworkConfig and method updateNetworkConfig.</p>
BroadcastAddress	0	1	String	<p>Broadcast address of a network.</p> <p>This parameter is mandatory for method addNetworkConfig and method updateNetworkConfig.</p>
ReferencingServices	0	1	Integer	<p>Number of instances configured under this pool.</p> <p>This parameter is not required for method addPoolConfig or addNetworkConfig.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ReferencingComputerSystems	0	1	Integer	Number of hosts configured under this pool. This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code> .
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 102: NetworkId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	String	Identifier of the network which is a UUID. This parameter is not required for method <code>addNetworkConfig</code> . This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code> .

Table 103: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 104: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:addNetworkConfigResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <NetworkId>networkId-fc7f5a76-4107-11e5-85d2-000000665ce2</NetworkId>
      <Name>Network1</Name>
      <NetworkMask>255.255.255.0</NetworkMask>
      <BroadcastAddress>10.10.10.255</BroadcastAddress>
    </ns2:addNetworkConfigResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Network Configuration \[page 82\]](#)

Related Information

[getAllNetworkIds \[page 83\]](#)

[getAllNetworkConfigs \[page 85\]](#)

[getNetworkConfigs \[page 90\]](#)

[updateNetworkConfig \[page 104\]](#)

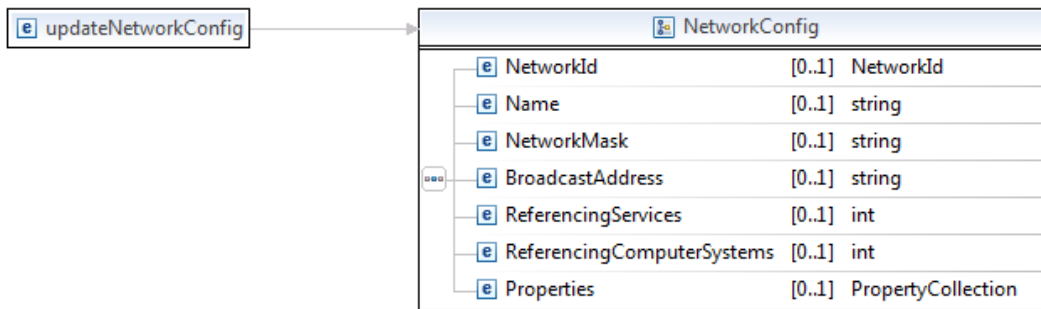
[deleteNetworkConfig \[page 109\]](#)

[deleteNetworkConfig2 \[page 111\]](#)

2.2.3.3.5 updateNetworkConfig

This method modifies details of the network specified in the input data. Network ID cannot be changed and is the unique identifier for the network.

Request



Request Parameters

Table 105: NetworkConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	NetworkID	Identifier of the network which is a UUID. This parameter is not required for method <code>addNetworkConfig</code> . This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code> .

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	0	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
NetworkMask	0	1	String	<p>Subnet mask of a network.</p> <p>This parameter is mandatory for method addNetworkConfig and method updateNetworkConfig.</p>
BroadcastAddress	0	1	String	<p>Broadcast address of a network.</p> <p>This parameter is mandatory for method addNetworkConfig and method updateNetworkConfig.</p>
ReferencingServices	0	1	Integer	<p>Number of instances configured under this pool.</p> <p>This parameter is not required for method addPoolConfig or addNetworkConfig.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ReferencingComputerSystems	0	1	Integer	Number of hosts configured under this pool. This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code> .
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 106: NetworkId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	String	Identifier of the network which is a UUID. This parameter is not required for method <code>addNetworkConfig</code> . This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code> .

Table 107: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 108: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.


Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:updateNetworkConfig xmlns:yql="http://xml.sap.com/2007/07/acc">
      <NetworkId>networkId-fc7f5a76-4107-11e5-85d2-00000665ce2</NetworkId>
      <Name>UpdateNetwork</Name>
      <NetworkMask>255.255.255.0</NetworkMask>
      <BroadcastAddress>10.10.10.255</BroadcastAddress>
    </yql:updateNetworkConfig>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 updateNetworkConfigResponse

Response Parameters

Table 109:

Type	Description
Boolean	true/ false

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:updateNetworkConfigResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">true</ns2:updateNetworkConfigResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Network Configuration \[page 82\]](#)

Related Information

[getAllNetworkIds \[page 83\]](#)

[getAllNetworkConfigs \[page 85\]](#)

[getNetworkConfigs \[page 90\]](#)

[addNetworkConfig \[page 96\]](#)

[deleteNetworkConfig \[page 109\]](#)

[deleteNetworkConfig2 \[page 111\]](#)

2.2.3.3.6 deleteNetworkConfig

This method deletes networks with the network ID mentioned in the input data from SAP Landscape Management if there are no referencing instances and hosts for that network.

Request



Request Parameters

Table 110: NetworkId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	String	Identifier of the network which is a UUID. This parameter is not required for method addNetworkConfig. This parameter is mandatory for method deleteNetworkConfig2 and method updateNetworkConfig.

Request Example


Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:deleteNetworkConfig xmlns:yql="http://xml.sap.com/2007/07/acc">networkId-
fc7f5a76-4107-11e5-85d2-000000665ce2</yql:deleteNetworkConfig>
  </SOAP-ENV:Body>
```

```
</SOAP-ENV:Envelope>
```

Response

 deleteNetworkConfigResponse

Response Parameters

Table 111:

Type	Description
Boolean	true/ false

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:deleteNetworkConfigResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">true</ns2:deleteNetworkConfigResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Network Configuration \[page 82\]](#)

Related Information

[getAllNetworkIds \[page 83\]](#)

[getAllNetworkConfigs \[page 85\]](#)

[getNetworkConfigs \[page 90\]](#)

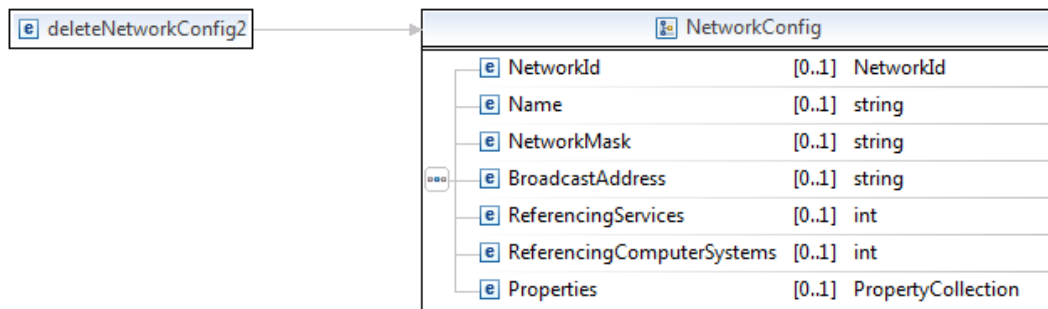
[addNetworkConfig \[page 96\]](#)

[updateNetworkConfig \[page 104\]](#)

2.2.3.3.7 deleteNetworkConfig2

This method deletes details of networks with the network ID mentioned in the input data from SAP Landscape Management if there are no referencing instances and hosts for that network.

Request



Request Parameters

Table 112: NetworkConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	NetworkID	<p>Identifier of the network which is a UUID.</p> <p>This parameter is not required for method <code>addNetworkConfig</code>.</p> <p>This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code>.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	0	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
NetworkMask	0	1	String	<p>Subnet mask of a network.</p> <p>This parameter is mandatory for method addNetworkConfig and method updateNetworkConfig.</p>
BroadcastAddress	0	1	String	<p>Broadcast address of a network.</p> <p>This parameter is mandatory for method addNetworkConfig and method updateNetworkConfig.</p>
ReferencingServices	0	1	Integer	<p>Number of instances configured under this pool.</p> <p>This parameter is not required for method addPoolConfig or addNetworkConfig.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ReferencingComputerSystems	0	1	Integer	Number of hosts configured under this pool. This parameter is not required for method <code>addPoolConfig</code> or <code>addNetworkConfig</code> .
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 113: NetworkId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkId	0	1	String	Identifier of the network which is a UUID. This parameter is not required for method <code>addNetworkConfig</code> . This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code> .

Table 114: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 115: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.


Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:deleteNetworkConfig2 xmlns:yql="http://xml.sap.com/2007/07/acc">
      <NetworkId>networkId-06d294d6-da6c-11e2-bc81-00000665ce2</NetworkId>
      <Name/>
      <NetworkMask/>
      <BroadcastAddress/>
      <ReferencingServices>0</ReferencingServices>
      <ReferencingComputerSystems>0</ReferencingComputerSystems>
      <Properties/>
    </yql:deleteNetworkConfig2>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 deleteNetworkConfigResponse

Response Parameters

Table 116:

Type	Description
Boolean	true/ false

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:deleteNetworkConfigResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">true</ns2:deleteNetworkConfigResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Network Configuration \[page 82\]](#)

Related Information

[getAllNetworkIds \[page 83\]](#)

[getAllNetworkConfigs \[page 85\]](#)

[getNetworkConfigs \[page 90\]](#)

[addNetworkConfig \[page 96\]](#)

[updateNetworkConfig \[page 104\]](#)

[deleteNetworkConfig \[page 109\]](#)

2.2.3.4 Computer System Configuration

Computer system configuration exposes methods to access, modify, and delete resource information.

[getAllComputerSystemConfigHostnames \[page 117\]](#)

This method retrieves hostnames of all computer systems configured in SAP Landscape Management

[getAllComputerSystemConfigs \[page 119\]](#)

This method retrieves computer system details configured in SAP Landscape Management, along with their hardware, network, pool, and SAP Host Agent information.

[getComputerSystemConfigs \[page 125\]](#)

This method retrieves information related to the requested computer system host names. That includes information about the hardware configuration, as to whether its AC-managed or not, as to whether it is AC-operational, or AC-enabled, as well as pool- and network related details, SAP Host Agent details and so on.

[updateComputerSystemConfig \[page 132\]](#)

This method modifies existing configuration data for a computer system, such as its pool- or, network-related details, SAP Host Agent details, details as to whether it is adaptive-enabled or not, AC-operational and so on.

[getAllComputerSystemHostnames \[page 139\]](#)

This method retrieves host names of all computer systems configured in SAP Landscape Management

Parent topic: [Configuration Methods \[page 19\]](#)

Related Information

[Pool Configuration \[page 20\]](#)

[Service Configuration \[page 57\]](#)

[Network Configuration \[page 82\]](#)

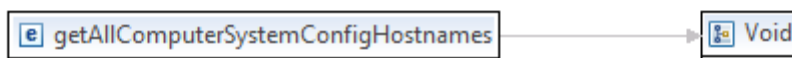
[Template Configuration \[page 141\]](#)

[Characteristics Configuration \[page 150\]](#)

2.2.3.4.1 getAllComputerSystemConfigHostnames

This method retrieves hostnames of all computer systems configured in SAP Landscape Management

Request



Request Parameters

Void

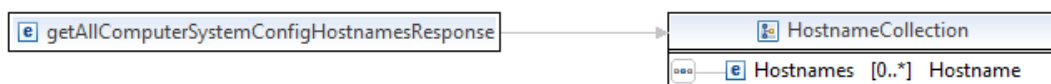
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getAllComputerSystemConfigHostnames xmlns:yql="http://xml.sap.com/
2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 117: HostNameCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostnames	0	*	Hostname	Host names This parameter is mandatory for method <code>getComputerSystemConfigs</code> and method <code>getComputerSystemData</code> .

Table 118: Hostname

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	not applicable	not applicable	String	Host name

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getAllComputerSystemConfigHostnamesResponse xmlns:ns2="http://
xml.sap.com/2007/07/acc">
      <Hostnames>acvml19</Hostnames>
      <Hostnames>simcs000</Hostnames>
      <Hostnames>simcs001</Hostnames>
      <Hostnames>simcs002</Hostnames>
      <Hostnames>simcs003</Hostnames>
      <Hostnames>simhost0102</Hostnames>
    </ns2:getAllComputerSystemConfigHostnamesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Computer System Configuration \[page 116\]](#)

Related Information

[getAllComputerSystemConfigs \[page 119\]](#)

[getComputerSystemConfigs \[page 125\]](#)

[updateComputerSystemConfig \[page 132\]](#)

[getAllComputerSystemHostnames \[page 139\]](#)

2.2.3.4.2 getAllComputerSystemConfigs

This method retrieves computer system details configured in SAP Landscape Management, along with their hardware, network, pool, and SAP Host Agent information.

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getAllComputerSystemConfigs xmlns:yql="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response




Response Parameters

Table 119: ComputerSystemConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ComputerSystemConfigs	0	*	ComputerSystemConfig	Collection of computer system configuration objects.

Table 120: ComputerSystemConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	1	1	Hostname	Host name
CPUArchitecture	0	1	String	CPU architecture of the computer system.
OS	0	1	String	Type of the operating system of the resource. <div style="background-color: #fff9c4; padding: 5px; border: 1px solid #ccc;">  Example Linux </div>
OSRelease	0	1	String	Operating system release of the computer system.
OSAddressSpace	0	1	Integer	Operating system's address space of the computer system.
ACManaged	1	1	Boolean	Possible values: <ul style="list-style-type: none"> • true Service is managed by SAP Landscape Management • false Service is not managed by SAP Landscape Management

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ACEnabled	1	1	Boolean	Possible values: <ul style="list-style-type: none"> • true Service is adaptive enabled • false Traditional service is not adaptive enabled
ACOperational	1	1	Boolean	Possible values: <ul style="list-style-type: none"> • true Computer system is active/operational in SAP Landscape Management. • false Computer system is not active/operational in SAP Landscape Management.
SAPS	0	1	Integer	SAPS recommended for the service.
PoolId	0	1	String	UUID identifier of the pool. This parameter is not required for method <code>addPoolConfig</code> . This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code> .
NetworkInterface ConfigCollection	0	1	NetworkInterface ConfigCollection	Collection of network interface configurations.
HostAgentConfig	0	1	HostAgentConfig	Details for connecting to the SAP Host Agent.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 121: Hostname

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	not applicable	not applicable	String	Host name

Table 122: NetworkInterfaceConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkInterface Configs	0	*	NetworkInterface Config	Collection of network interface configurations.

Table 123: NetworkInterfaceConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkInterface Id	1	1	String	Network Interface ID of the network.
NetworkId	1	1	String	Identifier of the network which is a UUID. This parameter is not required for method <code>addNetworkConfig</code> . This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code> .

Table 124: HostAgentConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
UseDefaultCredentials	1	1	Boolean	If set to true, default credentials are used to connect to the SAP Host Agent, else the credentials mentioned are used.
AgentDestinationConfig	0	1	DestinationConfig	Agent port and credentials.

Table 125: DestinationConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Port	0	1	Integer	Agent port.
UseHTTPS	0	1	Boolean	If 'HTTPS' is to be used for connection, set this field to true.
AgentCredentials	0	1	Credentials	Credentials for connecting to the agents.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 126: Credentials

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
User	1	1	String	User name
Password	0	1	String	Password
UpdateCredentials	1	1	Boolean	If UpdateCredentials is set to true, then the credentials are updated.

Table 127: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 128: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getAllComputerSystemConfigsResponse xmlns:ns2="http://xml.sap.com/
2007/07/acc">
      <ComputerSystemConfigs>
        <Hostname>acvml19</Hostname>
        <ACManaged>>true</ACManaged>
        <ACEnabled>>false</ACEnabled>
        <ACOperational>>false</ACOperational>
        <SAPS>0</SAPS>
        <PoolId>3</PoolId>
        <NetworkInterfaceConfigCollection/>
        <HostAgentConfig>
          <UseDefaultCredentials>>false</UseDefaultCredentials>
          <AgentDestinationConfig>
            <Port>50000</Port>
            <UseHTTPS>>false</UseHTTPS>
          </AgentDestinationConfig>
        </HostAgentConfig>
      </ComputerSystemConfigs>
    </ns2:getAllComputerSystemConfigsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```

        <AgentCredentials>
          <User>sapadm</User>
          <Password/>
          <UpdateCredentials>>true</UpdateCredentials>
        </AgentCredentials>
      </AgentDestinationConfig>
    </HostAgentConfig>
  </ComputerSystemConfigs>
</ns2:getAllComputerSystemConfigsResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Computer System Configuration \[page 116\]](#)

Related Information

[getAllComputerSystemConfigHostnames \[page 117\]](#)

[getComputerSystemConfigs \[page 125\]](#)

[updateComputerSystemConfig \[page 132\]](#)

[getAllComputerSystemHostnames \[page 139\]](#)

2.2.3.4.3 getComputerSystemConfigs

This method retrieves information related to the requested computer system host names. That includes information about the hardware configuration, as to whether its AC-managed or not, as to whether it is AC-operational, or AC-enabled, as well as pool- and network related details, SAP Host Agent details and so on.

Request



Request Parameters

Table 129: HostNameCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostnames	0	*	Hostname	Host names This parameter is mandatory for method <code>getComputerSystemConfigs</code> and method <code>getComputerSystemData</code> .

Table 130: Hostname

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	not applicable	not applicable	String	Host name

Request Example

 Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getComputerSystemConfigs xmlns:yql="http://xml.sap.com/2007/07/acc">
      <Hostnames>acvml19</Hostnames>
    </yql:getComputerSystemConfigs>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response




Response Parameters

Table 131: ComputerSystemConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ComputerSystemConfigs	0	*	ComputerSystemConfig	Collection of computer system configuration objects.

Table 132: ComputerSystemConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	1	1	Hostname	Host name
CPUArchitecture	0	1	String	CPU architecture of the computer system.
OS	0	1	String	Type of the operating system of the resource. <div style="background-color: #fff9c4; padding: 5px; border: 1px solid #ccc;">  Example Linux </div>
OSRelease	0	1	String	Operating system release of the computer system.
OSAddressSpace	0	1	Integer	Operating system's address space of the computer system.
ACManaged	1	1	Boolean	Possible values: <ul style="list-style-type: none"> • true Service is managed by SAP Landscape Management • false Service is not managed by SAP Landscape Management

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ACEnabled	1	1	Boolean	Possible values: <ul style="list-style-type: none"> • true Service is adaptive enabled • false Traditional service is not adaptive enabled
ACOperational	1	1	Boolean	Possible values: <ul style="list-style-type: none"> • true Computer system is active/operational in SAP Landscape Management. • false Computer system is not active/operational in SAP Landscape Management.
SAPS	0	1	Integer	SAPS recommended for the service.
PoolId	0	1	String	UUID identifier of the pool. This parameter is not required for method <code>addPoolConfig</code> . This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code> .
NetworkInterfaceConfigCollection	0	1	NetworkInterfaceConfigCollection	Collection of network interface configurations.
HostAgentConfig	0	1	HostAgentConfig	Details for connecting to the SAP Host Agent.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 133: Hostname

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	not applicable	not applicable	String	Host name

Table 134: NetworkInterfaceConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkInterfaceConfigs	0	*	NetworkInterfaceConfig	Collection of network interface configurations.

Table 135: NetworkInterfaceConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkInterfaceId	1	1	String	Network Interface ID of the network.
NetworkId	1	1	String	Identifier of the network which is a UUID. This parameter is not required for method <code>addNetworkConfig</code> . This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code> .

Table 136: HostAgentConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
UseDefaultCredentials	1	1	Boolean	If set to true, default credentials are used to connect to the SAP Host Agent, else the credentials mentioned are used.
AgentDestinationConfig	0	1	DestinationConfig	Agent port and credentials.

Table 137: DestinationConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Port	0	1	Integer	Agent port.
UseHTTPS	0	1	Boolean	If 'HTTPS' is to be used for connection, set this field to true.
AgentCredentials	0	1	Credentials	Credentials for connecting to the agents.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 138: Credentials

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
User	1	1	String	User name
Password	0	1	String	Password
UpdateCredentials	1	1	Boolean	If UpdateCredentials is set to true, then the credentials are updated.

Table 139: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 140: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getComputerSystemConfigsResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">
      <ComputerSystemConfigs>
        <Hostname>acvml19</Hostname>
        <ACManaged>true</ACManaged>
        <ACEnabled>>false</ACEnabled>
        <ACOperational>>false</ACOperational>
        <SAPS>0</SAPS>
        <PoolId>3</PoolId>
        <NetworkInterfaceConfigCollection/>
        <HostAgentConfig>
          <UseDefaultCredentials>>false</UseDefaultCredentials>
          <AgentDestinationConfig>
            <Port>50000</Port>
            <UseHTTPS>>false</UseHTTPS>
          </AgentDestinationConfig>
        </HostAgentConfig>
      </ComputerSystemConfigs>
    </ns2:getComputerSystemConfigsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```

    <AgentCredentials>
      <User>sapadm</User>
      <Password/>
      <UpdateCredentials>>true</UpdateCredentials>
    </AgentCredentials>
  </AgentDestinationConfig>
</HostAgentConfig>
</ComputerSystemConfigs>
</ns2:getComputerSystemConfigsResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Computer System Configuration \[page 116\]](#)

Related Information

[getAllComputerSystemConfigHostnames \[page 117\]](#)

[getAllComputerSystemConfigs \[page 119\]](#)

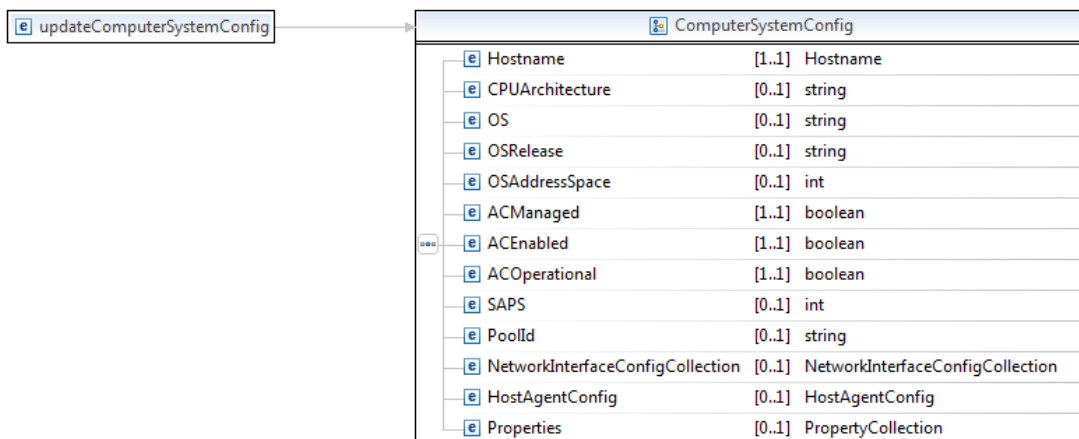
[updateComputerSystemConfig \[page 132\]](#)

[getAllComputerSystemHostnames \[page 139\]](#)

2.2.3.4.4 updateComputerSystemConfig


This method modifies existing configuration data for a computer system, such as its pool- or network-related details, SAP Host Agent details, details as to whether it is adaptive-enabled or not, AC-operational and so on.

Request



Request Parameters

Table 141: ComputerSystemConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	1	1	Hostname	Host name
CPUArchitecture	0	1	String	CPU architecture of the computer system.
OS	0	1	String	Type of the operating system of the resource. <div style="background-color: #fff9c4; padding: 5px; border: 1px solid #ccc;">  Example Linux </div>
OSRelease	0	1	String	Operating system release of the computer system.
OSAddressSpace	0	1	Integer	Operating system's address space of the computer system.
ACManaged	1	1	Boolean	Possible values: <ul style="list-style-type: none"> • true Service is managed by SAP Landscape Management • false Service is not managed by SAP Landscape Management
ACEnabled	1	1	Boolean	Possible values: <ul style="list-style-type: none"> • true Service is adaptive enabled • false Traditional service is not adaptive enabled

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ACOperational	1	1	Boolean	<p>Possible values:</p> <ul style="list-style-type: none"> • true Computer system is active/operational in SAP Landscape Management. • false Computer system is not active/operational in SAP Landscape Management.
SAPS	0	1	Integer	SAPS recommended for the service.
PoolId	0	1	String	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig 2</code> and method <code>updatePoolConfig</code>.</p>
NetworkInterfaceConfigCollection	0	1	NetworkInterfaceConfigCollection	Collection of network interface configurations.
HostAgentConfig	0	1	HostAgentConfig	Details for connecting to the SAP Host Agent.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 142: NetworkInterfaceConfigCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkInterface Configs	0	*	NetworkInterface Config	Collection of network interface configurations.

Table 143: NetworkInterfaceConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
NetworkInterface Id	1	1	String	Network Interface ID of the network.
NetworkId	1	1	String	Identifier of the network which is a UUID. This parameter is not required for method <code>addNetworkConfig</code> . This parameter is mandatory for method <code>deleteNetworkConfig2</code> and method <code>updateNetworkConfig</code> .

Table 144: HostAgentConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
UseDefaultCreden tials	1	1	Boolean	If set to true, default credentials are used to connect to the SAP Host Agent, else the credentials mentioned are used.
AgentDestination Config	0	1	DestinationConf ig	Agent port and credentials.

Table 145: DestinationConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Port	0	1	Integer	Agent port.
UseHTTPS	0	1	Boolean	If 'HTTPS' is to be used for connection, set this field to true.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
AgentCredentials	0	1	Credentials	Credentials for connecting to the agents.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 146: Credentials

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
User	1	1	String	User name
Password	0	1	String	Password
UpdateCredentials	1	1	Boolean	If UpdateCredentials is set to true, then the credentials are updated.

Table 147: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 148: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Value	0	1	String	Value for the corresponding Name property.


Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:updateComputerSystemConfig xmlns:yql="http://xml.sap.com/2007/07/acc">
      <Hostname>acvml19</Hostname>
      <CPUArchitecture/>
      <OS/>
      <OSRelease/>
      <OSAddressSpace>0</OSAddressSpace>
      <ACManaged>false</ACManaged>
      <ACEnabled>false</ACEnabled>
      <ACOperational>false</ACOperational>
      <SAPS>0</SAPS>
      <PoolId/>
      <NetworkInterfaceConfigCollection/>
      <HostAgentConfig>
        <UseDefaultCredentials>false</UseDefaultCredentials>
        <AgentDestinationConfig>
          <Port>0</Port>
          <UseHTTPS>false</UseHTTPS>
          <AgentCredentials>
            <User/>
            <Password/>
            <UpdateCredentials>false</UpdateCredentials>
          </AgentCredentials>
          <Properties/>
        </AgentDestinationConfig>
      </HostAgentConfig>
      <Properties/>
    </yql:updateComputerSystemConfig>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 updateComputerSystemConfigResponse

Response Parameters

Table 149:

Type	Description
Boolean	true/ false

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:updateComputerSystemConfigResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">true</ns2:updateComputerSystemConfigResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Computer System Configuration \[page 116\]](#)

Related Information

[getAllComputerSystemConfigHostnames \[page 117\]](#)

[getAllComputerSystemConfigs \[page 119\]](#)

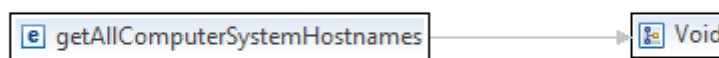
[getComputerSystemConfigs \[page 125\]](#)

[getAllComputerSystemHostnames \[page 139\]](#)

2.2.3.4.5 getAllComputerSystemHostnames

This method retrieves host names of all computer systems configured in SAP Landscape Management

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getAllComputerSystemHostnames xmlns:yql="http://xml.sap.com/2007/07/
acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 150: HostNameCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostnames	0	*	Hostname	Host names This parameter is mandatory for method <code>getComputerSystemConfigs</code> and method <code>getComputerSystemData</code> .

Table 151: Hostname

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	not applicable	not applicable	String	Host name

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getAllComputerSystemHostnamesResponse xmlns:ns2="http://xml.sap.com/
2007/07/acc">
      <Hostnames>acvml19</Hostnames>
      <Hostnames>simcs000</Hostnames>
      <Hostnames>simcs001</Hostnames>
      <Hostnames>simcs002</Hostnames>
      <Hostnames>simcs003</Hostnames>
    </ns2:getAllComputerSystemHostnamesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Computer System Configuration \[page 116\]](#)

Related Information

[getAllComputerSystemConfigHostnames \[page 117\]](#)

[getAllComputerSystemConfigs \[page 119\]](#)

[getComputerSystemConfigs \[page 125\]](#)

[updateComputerSystemConfig \[page 132\]](#)

2.2.3.5 Template Configuration

[storeKey \[page 141\]](#)

This method stores the decryption passcode of the encrypted property values within the template.

[storeTemplate \[page 143\]](#)

This method stores the partner template in XML format.

[storeTemplate2 \[page 146\]](#)

This method stores the partner template in XML format.

[updateTemplate \[page 148\]](#)

This method modifies an existing template. The template ID must be part of the template. The ID attribute should be part of the template tag within the XML file.

Parent topic: [Configuration Methods \[page 19\]](#)

Related Information

[Pool Configuration \[page 20\]](#)

[Service Configuration \[page 57\]](#)

[Network Configuration \[page 82\]](#)

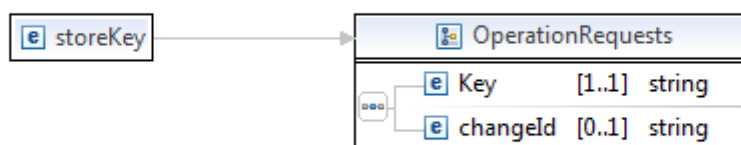
[Computer System Configuration \[page 116\]](#)

[Characteristics Configuration \[page 150\]](#)

2.2.3.5.1 storeKey

This method stores the decryption passcode of the encrypted property values within the template.

Request



Request Parameters

Table 152: OperationRequests

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Key	1	1	String	The passcode key for decrypting the encrypted value which is part of the template XML.
changeId	0	1	String	This is used to pass the change ID if required.

Note

The same passcode must be used for encrypting the property values.


Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:storeKey xmlns:yql="http://xml.sap.com/2007/07/acc">
      <Key>9f8d54bb-f977-4c55-9c97-ede29683d3f0</Key>
      <changeId>2</changeId>
    </yql:storeKey>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 storeKeyResponse

Response Parameters

String

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:storeKeyResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">0030e30f-
bb55-401f-86b3-d7011e6bef4d</ns2:storeKeyResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Template Configuration \[page 141\]](#)

Related Information

[storeTemplate \[page 143\]](#)

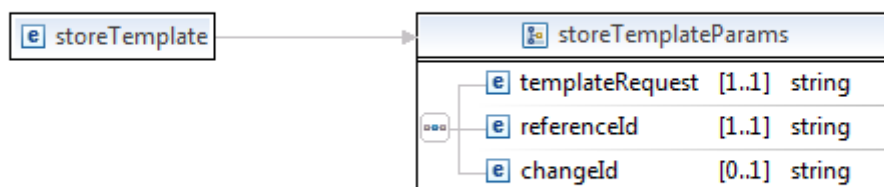
[storeTemplate2 \[page 146\]](#)

[updateTemplate \[page 148\]](#)

2.2.3.5.2 storeTemplate

This method stores the partner template in XML format.

Request



To make any encrypted property as part of your template properties, follow the steps given below:

1. Encrypt the property value using the standard Java encryption algorithm Cipher class API under JDK.
2. Add the value to the template as a property.
3. Call the `storeKey` method by passing the passcode for decryption

Request Parameters

Table 153: storeTemplateParams

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
templateRequest	1	1	String	Template XML for specific process executed using SAP Landscape Management. Must be wrapped in CDATA section.
referenceId	1	1	String	Reference ID returned by <code>storeKey</code> for the passcode used to encrypt the values in the template XML.
changeId	0	1	String	This is used to pass the change ID if required.


Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:storeTemplate xmlns:yql="http://xml.sap.com/2007/07/acc">
      <templateRequest><templateRequest></templateRequest>
      <referenceId>9f8d54bb-f977-4c55-9c97-ede29683d3f0</referenceId>
    </yql:storeTemplate>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```


Response

 storeTemplateConfigResponse

Response Parameters

String

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
  <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:storeTemplateResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <template id="template-1c33d355-32f2-11e2-c14c-0000003282aa"
name="SystemCloneforQ1S" type="LVMSystemProvisioning" version="1.0"/>
    </ns2:storeTemplateResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Template Configuration \[page 141\]](#)

Related Information

[storeKey \[page 141\]](#)

[storeTemplate2 \[page 146\]](#)

[updateTemplate \[page 148\]](#)

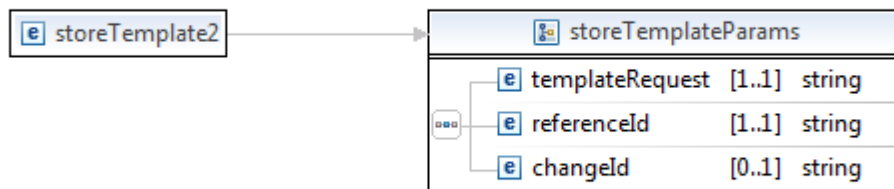
2.2.3.5.3 storeTemplate2

This method stores the partner template in XML format.

Request

To make any encrypted property as part of your template properties, follow the steps given below:

1. Encrypt the property value using the standard Java encryption algorithm Cipher class API under JDK.
2. Add the value to the template as a property.
3. Call the `storeKey` method by passing the passcode for decryption



Request Parameters

Table 154: storeTemplateParams

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
templateRequest	1	1	String	Template XML for specific process executed using SAP Landscape Management. Must be wrapped in CDATA section.
referenceId	1	1	String	Reference ID returned by <code>storeKey</code> for the passcode used to encrypt the values in the template XML.
changeId	0	1	String	This is used to pass the change ID if required.

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:storeTemplate2 xmlns:yql="http://xml.sap.com/2007/07/acc">
      <templateRequest><templateRequest>
        <referenceId>9f8d54bb-f977-4c55-9c97-ed29683d3f0</referenceId>
      </yql:storeTemplate2>
    </SOAP-ENV:Body>
  </SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 155: storeTemplateResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Status	0	1	String	Status
SavedTemplate	0	1	Template	Saved template

Table 156: Template

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
TemplateId	0	1	String	Template ID. Only one Template ID can be executed at a time.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	0	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig

Parent topic: [Template Configuration \[page 141\]](#)

Related Information

[storeKey \[page 141\]](#)

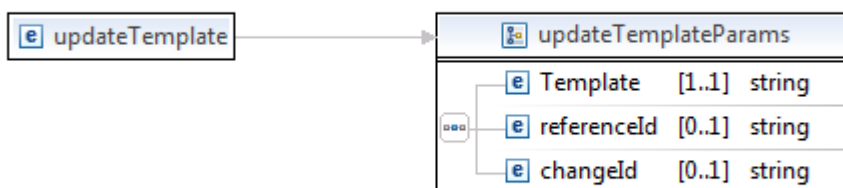
[storeTemplate \[page 143\]](#)

[updateTemplate \[page 148\]](#)

2.2.3.5.4 updateTemplate

This method modifies an existing template. The template ID must be part of the template. The ID attribute should be part of the template tag within the XML file.

Request




Request Parameters

Table 157: updateTemplateParams

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Template	1	1	String	Template XML for specific process executed using SAP Landscape Management. Must be wrapped in CDATA section.
referenceId	0	1	String	Reference ID returned by storeKey for the passcode used to encrypt the values in the template XML.
changeId	0	1	String	This is used to pass the change ID if required.

Response

 updateTemplateResponse

Response Parameters

String

Parent topic: [Template Configuration \[page 141\]](#)

Related Information

[storeKey \[page 141\]](#)

[storeTemplate \[page 143\]](#)

[storeTemplate2 \[page 146\]](#)

2.2.3.6 Characteristics Configuration

Characteristics configuration exposes methods to add, delete, and receive characteristics information.

You configure characteristics and define the attributes for the characteristics according to the needs of your company such as grouping instances and hosts according to these characteristics or making the mass operations easier to handle.

Example

A company that is located in different time zones requires systems to be started, stopped, or relocated in a certain time zone.

[addCharacteristics \[page 151\]](#)

This method adds new characteristics.

[addCharacteristicValues \[page 159\]](#)

This method adds characteristic values to characteristics.

[addCharacterizations \[page 164\]](#)

This method assigns instances, hosts, or virtual hosts to characteristic values.

[deleteCharacterizations \[page 168\]](#)

This method deletes instances, hosts, or virtual hosts from characteristic values.

[deleteCharacteristics \[page 171\]](#)

This method deletes characteristics.

[deleteCharacteristicValues \[page 175\]](#)

This method deletes characteristic values.

[getCharacteristic \[page 179\]](#)

This method retrieves details of a specific characteristic defined.

[getCharacteristics \[page 184\]](#)

This method retrieves details of all characteristics defined.

[getCharacterizations \[page 190\]](#)

This method retrieves details of elements assigned to characteristic values.

Parent topic: [Configuration Methods \[page 19\]](#)

Related Information

[Pool Configuration \[page 20\]](#)

[Service Configuration \[page 57\]](#)

[Network Configuration \[page 82\]](#)

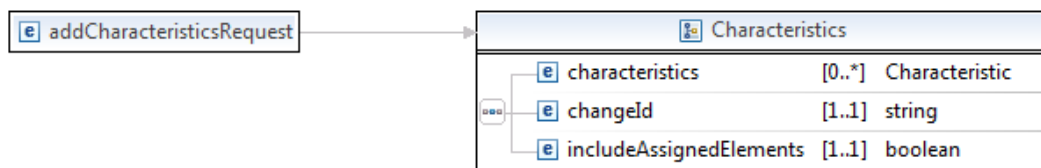
[Computer System Configuration \[page 116\]](#)

[Template Configuration \[page 141\]](#)

2.2.3.6.1 addCharacteristics

This method adds new characteristics.

Request



Request Parameters

Table 158: Characteristics

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristics	0	*	Characteristic	Collection of characteristics.
changeId	1	1	String	This is used to pass the change ID if required.
includeAssignedElements	1	1	Boolean	Flag, that indicates if assigned elements are included.

Table 159: Characteristic

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
name	1	1	String	Name of the characteristic.
description	1	1	String	Description of the characteristic.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
entityCardinality	1	1	CharacterizationEntityCardinality	Cardinality of the entity.
entityTypes	0	*	CharacterizationEntityType	Collection of entity types.
characteristicValues	1	1	CharacteristicValue	Collection of characteristic values.

Table 160: CharacterizationEntityCardinality

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityCardinality	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • SINGLE Entity assigned to a single characteristic value of the characteristic. • MULTIPLE Entity assigned to multiple characteristic values of the characteristic.

Table 161: CharacterizationEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • HOST • VIRTUAL HOST • VIRTUAL HOST PROVIDER • SYSTEM • INSTANCE

Table 162: CharacteristicValues

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicValues	0	*	CharacteristicValue	Collection of characteristic values.
changeId	1	1	String	This is used to pass the change ID if required.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
includeAssignedElements	1	1	Boolean	Flag, that indicates if assigned elements are included.

Table 163: CharacteristicValue

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
name	1	1	String	Name of the characteristic value.
description	1	1	String	Description of the characteristic value.
characterizations	1	1	Characterizations	Collection of characterizations.

Table 164: Characterizations

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characterizations	0	*	Characterizations	Collection of characterizations.
changeId	1	1	String	This is used to pass the change ID if required.

Table 165: Characterization

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueName	1	1	String	Name of the characteristic value.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
entityId	1	1	String	ID of the entity.
entityType	1	1	Characterization EntityType	Entity type

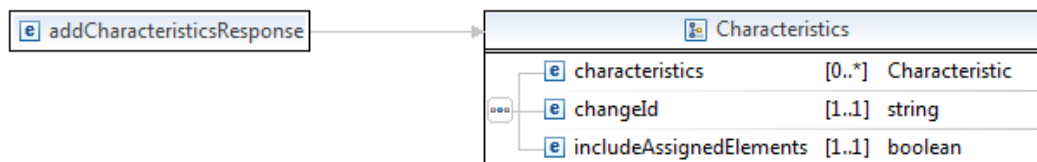
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:addCharacteristicsRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <characteristics>
        <characteristicId>8000</characteristicId>
        <name>TestCharacteristic</name>
        <description>Demo</description>
        <entityCardinality>SINGLE</entityCardinality>
        <entityTypes>SYSTEM</entityTypes>
        <characteristicValues>
          <characteristicValues>
            <characteristicId>55</characteristicId>
            <characteristicName>Example</characteristicName>
            <characteristicValueId>55</characteristicValueId>
            <name>test1</name>
            <description>This is an example for test1</description>
            <characterizations>
              <changeId/>
            </characterizations>
          </characteristicValues>
          <changeId/>
          <includeAssignedElements>false</includeAssignedElements>
        </characteristicValues>
      </characteristics>
      <changeId/>
      <includeAssignedElements>false</includeAssignedElements>
    </yql:addCharacteristicsRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 166: Characteristics

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristics	0	*	Characteristic	Collection of characteristics.
changeId	1	1	String	This is used to pass the change ID if required.
includeAssignedElements	1	1	Boolean	Flag, that indicates if assigned elements are included.

Table 167: Characteristic

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
name	1	1	String	Name of the characteristic.
description	1	1	String	Description of the characteristic.
entityCardinality	1	1	Characterization EntityCardinality	Cardinality of the entity.
entityTypes	0	*	Characterization EntityType	Collection of entity types.
characteristicValues	1	1	CharacteristicValues	Collection of characteristic values.

Table 168: CharacterizationEntityCardinality

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityCardinality	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • SINGLE Entity assigned to a single characteristic value of the characteristic. • MULTIPLE Entity assigned to multiple characteristic values of the characteristic.

Table 169: CharacterizationEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • HOST • VIRTUAL HOST • VIRTUAL HOST PROVIDER • SYSTEM • INSTANCE

Table 170: CharacteristicValues

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicValues	0	*	CharacteristicValue	Collection of characteristic values.
changeId	1	1	String	This is used to pass the change ID if required.
includeAssignedElements	1	1	Boolean	Flag, that indicates if assigned elements are included.

Table 171: CharacteristicValue

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicName	1	1	String	Name of the characteristic.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicValueId	1	1	Integer	ID of the characteristic value.
name	1	1	String	Name of the characteristic value.
description	1	1	String	Description of the characteristic value.
characterizations	1	1	Characterizations	Collection of characterizations.

Table 172: Characterizations

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characterizations	0	*	Characterizations	Collection of characterizations.
changeId	1	1	String	This is used to pass the change ID if required.

Table 173: Characterization

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueName	1	1	String	Name of the characteristic value.
entityId	1	1	String	ID of the entity.
entityType	1	1	Characterization EntityType	Entity type

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```

```

<SOAP-ENV:Body>
  <ns2:addCharacteristicsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
    <characteristics>
      <characteristicId>1001</characteristicId>
      <name>TestCharacteristic</name>
      <description>Demo</description>
      <entityCardinality>SINGLE</entityCardinality>
      <entityTypes>SYSTEM</entityTypes>
      <characteristicValues>
        <characteristicValues>
          <characteristicId>55</characteristicId>
          <characteristicName>Example</characteristicName>
          <characteristicValueId>55</characteristicValueId>
          <name>test1</name>
          <description>This is an example for test1</description>
          <characterizations>
            <changeId/>
          </characterizations>
        </characteristicValues>
      </characteristicValues>
      <changeId/>
      <includeAssignedElements>false</includeAssignedElements>
    </characteristicValues>
  </characteristics>
  <changeId/>
  <includeAssignedElements>false</includeAssignedElements>
</ns2:addCharacteristicsResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Characteristics Configuration \[page 150\]](#)

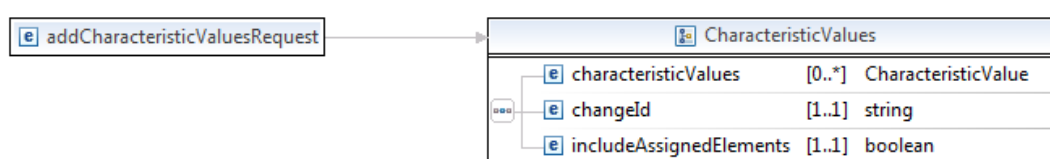
Related Information

[addCharacteristicValues \[page 159\]](#)
[addCharacterizations \[page 164\]](#)
[deleteCharacterizations \[page 168\]](#)
[deleteCharacteristics \[page 171\]](#)
[deleteCharacteristicValues \[page 175\]](#)
[getCharacteristic \[page 179\]](#)
[getCharacteristics \[page 184\]](#)
[getCharacterizations \[page 190\]](#)

2.2.3.6.2 addCharacteristicValues

This method adds characteristic values to characteristics.

Request



Request Parameters

Table 174: CharacteristicValues

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicValues	0	*	CharacteristicValue	Collection of characteristic values.
changeId	1	1	String	This is used to pass the change ID if required.
includeAssignedElements	1	1	Boolean	Flag, that indicates if assigned elements are included.

Table 175: CharacteristicValue

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
name	1	1	String	Name of the characteristic value.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
description	1	1	String	Description of the characteristic value.
characterizations	1	1	Characterizations	Collection of characterizations.

Table 176: Characterizations

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characterizations	0	*	Characterizations	Collection of characterizations.
changeId	1	1	String	This is used to pass the change ID if required.

Table 177: Characterization

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueName	1	1	String	Name of the characteristic value.
entityId	1	1	String	ID of the entity.
entityType	1	1	Characterization EntityType	Entity type

Table 178: CharacterizationEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • HOST • VIRTUAL HOST • VIRTUAL HOST PROVIDER • SYSTEM • INSTANCE

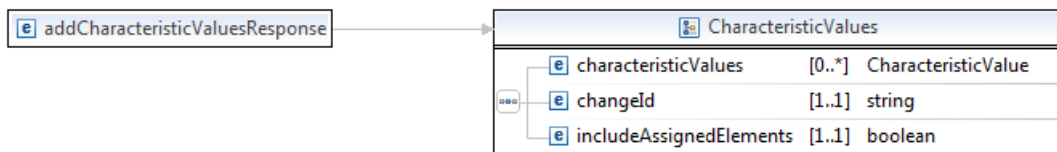
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:addCharacteristicValuesRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <characteristicValues>
        <characteristicId>1001</characteristicId>
        <characteristicName>Example</characteristicName>
        <characteristicValueId>55</characteristicValueId>
        <name>test1</name>
        <description>This is an add value example</description>
        <characterizations>
          <characterizations>
            <characteristicId>1001</characteristicId>
            <characteristicValueId>55</characteristicValueId>
            <characteristicName>Example</characteristicName>
            <characteristicValueName>TestValueName</characteristicValueName>
            <entityId>66</entityId>
            <entityType>SYSTEM</entityType>
          </characterizations>
          <changeId/>
        </characterizations>
      </characteristicValues>
      <changeId/>
      <includeAssignedElements>false</includeAssignedElements>
    </yql:addCharacteristicValuesRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 179: CharacteristicValues

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicValues	0	*	CharacteristicValue	Collection of characteristic values.
changeId	1	1	String	This is used to pass the change ID if required.
includeAssignedElements	1	1	Boolean	Flag, that indicates if assigned elements are included.

Table 180: CharacteristicValue

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
name	1	1	String	Name of the characteristic value.
description	1	1	String	Description of the characteristic value.
characterizations	1	1	Characterizations	Collection of characterizations.

Table 181: Characterizations

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characterizations	0	*	Characterization	Collection of characterizations.
changeId	1	1	String	This is used to pass the change ID if required.

Table 182: Characterization

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicName	1	1	String	Name of the characteristic.
characteristicValueName	1	1	String	Name of the characteristic value.
entityId	1	1	String	ID of the entity.
entityType	1	1	Characterization EntityType	Entity type

Table 183: CharacterizationEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Characterization EntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • HOST • VIRTUAL HOST • VIRTUAL HOST PROVIDER • SYSTEM • INSTANCE

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:addCharacteristicValuesResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <characteristicValues>
        <characteristicId>1001</characteristicId>
        <characteristicName>Example</characteristicName>
        <characteristicValueId>1</characteristicValueId>
        <name>test1</name>
        <description>This is an add value example</description>
        <characterizations>
          <characterizations>
            <characteristicId>1001</characteristicId>
            <characteristicValueId>55</characteristicValueId>
            <characteristicName>Example</characteristicName>
            <characteristicValueName>TestValueName</characteristicValueName>
            <entityId>66</entityId>
            <entityType>SYSTEM</entityType>
          </characterizations>
          <changeId/>
        </characterizations>
      </characteristicValues>
      <changeId/>
      <includeAssignedElements>>false</includeAssignedElements>
    </ns2:addCharacteristicValuesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```
</ns2:addCharacteristicValuesResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Characteristics Configuration \[page 150\]](#)

Related Information

[addCharacteristics \[page 151\]](#)

[addCharacterizations \[page 164\]](#)

[deleteCharacterizations \[page 168\]](#)

[deleteCharacteristics \[page 171\]](#)

[deleteCharacteristicValues \[page 175\]](#)

[getCharacteristic \[page 179\]](#)

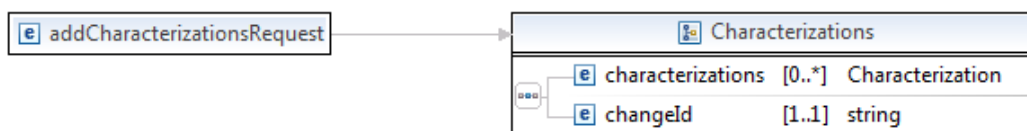
[getCharacteristics \[page 184\]](#)

[getCharacterizations \[page 190\]](#)

2.2.3.6.3 addCharacterizations

This method assigns instances, hosts, or virtual hosts to characteristic values.

Request



Request Parameters

Table 184: Characterizations

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characterizations	0	*	Characterization	Collection of characterizations.
changeId	1	1	String	This is used to pass the change ID if required.

Table 185: Characterization

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueName	1	1	String	Name of the characteristic value.
entityId	1	1	String	ID of the entity.
entityType	1	1	Characterization EntityType	Entity type

Table 186: CharacterizationEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • HOST • VIRTUAL HOST • VIRTUAL HOST PROVIDER • SYSTEM • INSTANCE

Request Example

Sample Code

XML

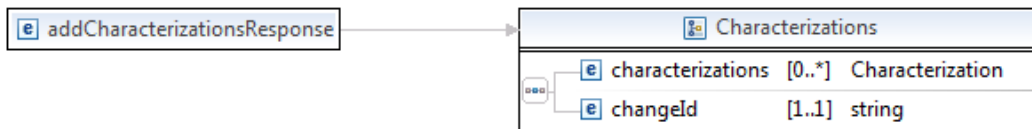
```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:addCharacterizationsRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <characterizations>
```

```

<characteristicId>1000</characteristicId>
<characteristicValueId>1</characteristicValueId>
<characteristicName>Datacenter</characteristicName>
<characteristicValueName>Asia</characteristicValueName>
<entityId>SystemID.BWQ.SystemHost.sapdbbhq.example.com</entityId>
<entityType>INSTANCE</entityType>
</characterizations>
<changeId/>
</yql:addCharacterizationsRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Response



Response Parameters

Table 187: Characterizations

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characterizations	0	*	Characterization	Collection of characterizations.
changeId	1	1	String	This is used to pass the change ID if required.

Table 188: Characterization

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
characteristicName	1	1	String	Name of the characteristic.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicValueName	1	1	String	Name of the characteristic value.
entityId	1	1	String	ID of the entity.
entityType	1	1	CharacterizationEntityType	Entity type

Table 189: CharacterizationEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • HOST • VIRTUAL HOST • VIRTUAL HOST PROVIDER • SYSTEM • INSTANCE

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:addCharacterizationsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <changeId xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
    </ns2:addCharacterizationsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Characteristics Configuration \[page 150\]](#)

Related Information

[addCharacteristics \[page 151\]](#)

[addCharacteristicValues \[page 159\]](#)

[deleteCharacterizations \[page 168\]](#)

[deleteCharacteristics \[page 171\]](#)

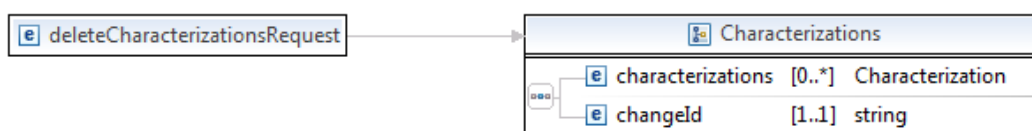
[deleteCharacteristicValues \[page 175\]](#)

[getCharacteristic \[page 179\]](#)
[getCharacteristics \[page 184\]](#)
[getCharacterizations \[page 190\]](#)

2.2.3.6.4 deleteCharacterizations

This method deletes instances, hosts, or virtual hosts from characteristic values.

Request



Request Parameters

Table 190: Characterizations

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characterizations	0	*	Characterization	Collection of characterizations.
changeId	1	1	String	This is used to pass the change ID if required.

Table 191: Characterization

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
characteristicName	1	1	String	Name of the characteristic.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicValueName	1	1	String	Name of the characteristic value.
entityId	1	1	String	ID of the entity.
entityType	1	1	Characterization EntityType	Entity type

Table 192: CharacterizationEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Characterization EntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • HOST • VIRTUAL HOST • VIRTUAL HOST PROVIDER • SYSTEM • INSTANCE


Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:deleteCharacterizationsRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <characterizations>
        <characteristicId>1000</characteristicId>
        <characteristicValueId>3</characteristicValueId>
        <characteristicName>Datacenter</characteristicName>
        <characteristicValueName>America</characteristicValueName>
        <entityId>SystemID.BWQ.SystemHost.sapdbbhq.example.com</entityId>
        <entityType>SYSTEM</entityType>
      </characterizations>
      <changeId/>
    </yql:deleteCharacterizationsRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 deleteCharacterizationsResponse

Response Parameters

Table 193:

Type	Description
Boolean	true/ false

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:deleteCharacterizationsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">false</ns2:deleteCharacterizationsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Characteristics Configuration \[page 150\]](#)

Related Information

[addCharacteristics \[page 151\]](#)

[addCharacteristicValues \[page 159\]](#)

[addCharacterizations \[page 164\]](#)

[deleteCharacteristics \[page 171\]](#)

[deleteCharacteristicValues \[page 175\]](#)

[getCharacteristic \[page 179\]](#)

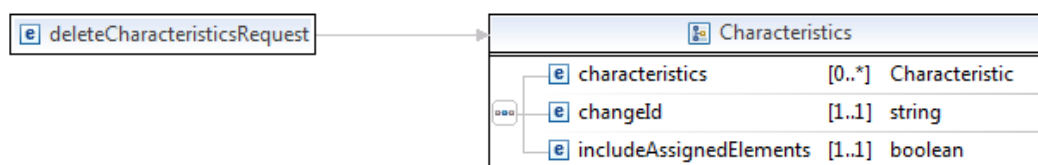
[getCharacteristics \[page 184\]](#)

[getCharacterizations \[page 190\]](#)

2.2.3.6.5 deleteCharacteristics

This method deletes characteristics.

Request



Request Parameters

Table 194: Characteristics

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristics	0	*	Characteristic	Collection of characteristics.
changeId	1	1	String	This is used to pass the change ID if required.
includeAssignedElements	1	1	Boolean	Flag, that indicates if assigned elements are included.

Table 195: Characteristic

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
name	1	1	String	Name of the characteristic.
description	1	1	String	Description of the characteristic.
entityCardinality	1	1	CharacterizationEntityCardinality	Cardinality of the entity.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
entityTypes	0	*	Characterization EntityType	Collection of entity types.
characteristicValues	1	1	CharacteristicValues	Collection of characteristic values.

Table 196: CharacterizationEntityCardinality

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityCardinality	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • SINGLE Entity assigned to a single characteristic value of the characteristic. • MULTIPLE Entity assigned to multiple characteristic values of the characteristic.

Table 197: CharacterizationEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • HOST • VIRTUAL HOST • VIRTUAL HOST PROVIDER • SYSTEM • INSTANCE

Table 198: CharacteristicValues

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicValues	0	*	CharacteristicValue	Collection of characteristic values.
changeId	1	1	String	This is used to pass the change ID if required.
includeAssignedElements	1	1	Boolean	Flag, that indicates if assigned elements are included.

Table 199: CharacteristicValue

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
name	1	1	String	Name of the characteristic value.
description	1	1	String	Description of the characteristic value.
characterizations	1	1	Characterizations	Collection of characterizations.

Table 200: Characterizations

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characterizations	0	*	Characterizations	Collection of characterizations.
changeId	1	1	String	This is used to pass the change ID if required.

Table 201: Characterization

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueName	1	1	String	Name of the characteristic value.
entityId	1	1	String	ID of the entity.
entityType	1	1	Characterization EntityType	Entity type


Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:deleteCharacteristicsRequest xmlns:yq1="http://xml.sap.com/2007/07/acc">
      <characteristics>
        <characteristicId>1001</characteristicId>
        <name>TestCharacteristic</name>
        <description/>
        <entityCardinality/>
        <entityTypes>SYSTEM</entityTypes>
        <characteristicValues>
          <characteristicValues>
            <characteristicId>0</characteristicId>
            <characteristicName/>
            <characteristicValueId>0</characteristicValueId>
            <name/>
            <description/>
            <characterizations>
              <changeId/>
            </characterizations>
          </characteristicValues>
          <changeId/>
          <includeAssignedElements>false</includeAssignedElements>
        </characteristicValues>
      </characteristics>
      <changeId/>
      <includeAssignedElements>false</includeAssignedElements>
    </yq1:deleteCharacteristicsRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 deleteCharacteristicsResponse

Response Parameters

Table 202:

Type	Description
Boolean	true/ false

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:deleteCharacteristicsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">false</ns2:deleteCharacteristicsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Characteristics Configuration \[page 150\]](#)

Related Information

[addCharacteristics \[page 151\]](#)

[addCharacteristicValues \[page 159\]](#)

[addCharacterizations \[page 164\]](#)

[deleteCharacterizations \[page 168\]](#)

[deleteCharacteristicValues \[page 175\]](#)

[getCharacteristic \[page 179\]](#)

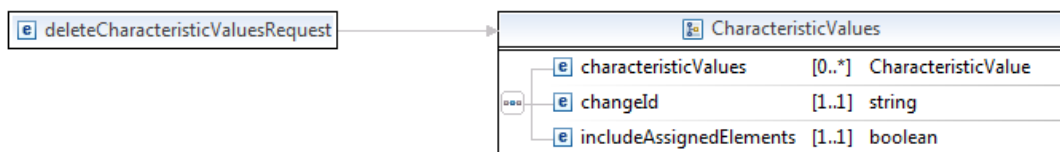
[getCharacteristics \[page 184\]](#)

[getCharacterizations \[page 190\]](#)

2.2.3.6.6 deleteCharacteristicValues

This method deletes characteristic values.

Request



Request Parameters

Table 203: CharacteristicValues

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicValues	0	*	CharacteristicValue	Collection of characteristic values.
changeId	1	1	String	This is used to pass the change ID if required.
includeAssignedElements	1	1	Boolean	Flag, that indicates if assigned elements are included.

Table 204: CharacteristicValue

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
name	1	1	String	Name of the characteristic value.
description	1	1	String	Description of the characteristic value.
characterizations	1	1	Characterizations	Collection of characterizations.

Table 205: Characterizations

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characterizations	0	*	Characterization	Collection of characterizations.
changeId	1	1	String	This is used to pass the change ID if required.

Table 206: Characterization

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicValueId	1	1	Integer	ID of the characteristic value.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueName	1	1	String	Name of the characteristic value.
entityId	1	1	String	ID of the entity.
entityType	1	1	Characterization EntityType	Entity type

Table 207: CharacterizationEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Characterization EntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • HOST • VIRTUAL HOST • VIRTUAL HOST PROVIDER • SYSTEM • INSTANCE

Request Example


Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:deleteCharacteristicValuesRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <characteristicValues>
        <characteristicId>1001</characteristicId>
        <characteristicName>Example</characteristicName>
        <characteristicValueId>1</characteristicValueId>
        <name>test1</name>
        <description/>
        <characterizations>
          <changeId/>
        </characterizations>
      </characteristicValues>
      <changeId/>
      <includeAssignedElements>false</includeAssignedElements>
    </yql:deleteCharacteristicValuesRequest>
  </SOAP-ENV:Body>
```

```
</SOAP-ENV:Envelope>
```

Response

 deleteCharacteristicValuesResponse

Response Parameters

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:deleteCharacteristicValuesResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">false</ns2:deleteCharacteristicValuesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Characteristics Configuration \[page 150\]](#)

Related Information

[addCharacteristics \[page 151\]](#)

[addCharacteristicValues \[page 159\]](#)

[addCharacterizations \[page 164\]](#)

[deleteCharacterizations \[page 168\]](#)

[deleteCharacteristics \[page 171\]](#)

[getCharacteristic \[page 179\]](#)

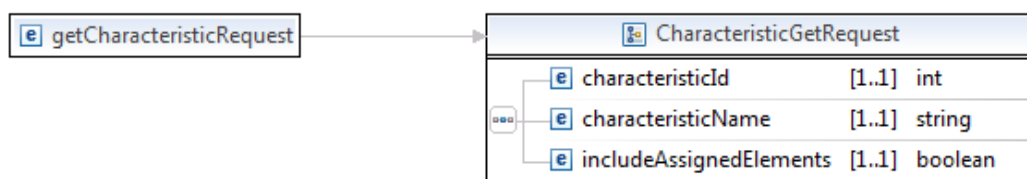
[getCharacteristics \[page 184\]](#)

[getCharacterizations \[page 190\]](#)

2.2.3.6.7 getCharacteristic

This method retrieves details of a specific characteristic defined.

Request



Request Parameters

Table 208: CharacteristicGetRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicName	1	1	String	Name of the characteristic.
includeAssignedElements	1	1	Boolean	Flag, that indicates if assigned elements are included.

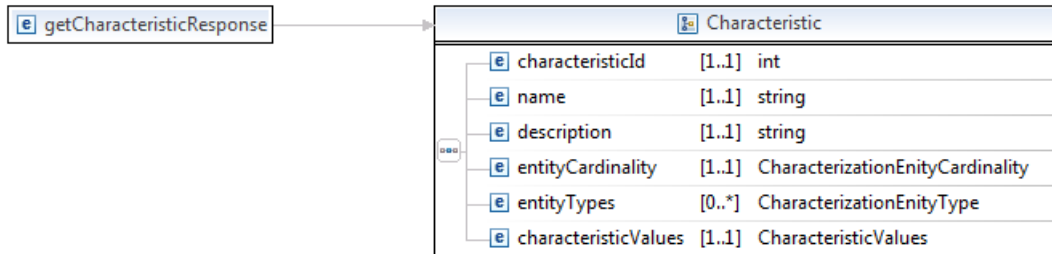
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getCharacteristicRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <characteristicId>1000</characteristicId>
      <characteristicName/>
      <includeAssignedElements>false</includeAssignedElements>
    </yql:getCharacteristicRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 209: Characteristic

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
name	1	1	String	Name of the characteristic.
description	1	1	String	Description of the characteristic.
entityCardinality	1	1	CharacterizationEntityCardinality	Cardinality of the entity.
entityTypes	0	*	CharacterizationEntityType	Collection of entity types.
characteristicValues	1	1	CharacteristicValues	Collection of characteristic values.

Table 210: CharacterizationEntityCardinality

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityCardinality	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • SINGLE Entity assigned to a single characteristic value of the characteristic. • MULTIPLE Entity assigned to multiple characteristic values of the characteristic.

Table 211: CharacterizationEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • HOST • VIRTUAL HOST • VIRTUAL HOST PROVIDER • SYSTEM • INSTANCE

Table 212: CharacteristicValues

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicValues	0	*	CharacteristicValue	Collection of characteristic values.
changeId	1	1	String	This is used to pass the change ID if required.
includeAssignedElements	1	1	Boolean	Flag, that indicates if assigned elements are included.

Table 213: CharacteristicValue

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicName	1	1	String	Name of the characteristic.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicValueId	1	1	Integer	ID of the characteristic value.
name	1	1	String	Name of the characteristic value.
description	1	1	String	Description of the characteristic value.
characterizations	1	1	Characterizations	Collection of characterizations.

Table 214: Characterizations

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characterizations	0	*	Characterizations	Collection of characterizations.
changeId	1	1	String	This is used to pass the change ID if required.

Table 215: Characterization

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueName	1	1	String	Name of the characteristic value.
entityId	1	1	String	ID of the entity.
entityType	1	1	Characterization EntityType	Entity type

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```

```

<SOAP-ENV:Body>
  <ns2:getCharacteristicResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
    <characteristicId>1000</characteristicId>
    <name>Datacenter</name>
    <description>Datacenter Location</description>
    <entityCardinality>SINGLE</entityCardinality>
    <entityTypes>HOST</entityTypes>
    <entityTypes>SYSTEM</entityTypes>
    <characteristicValues>
      <characteristicValues>
        <characteristicId>1000</characteristicId>
        <characteristicName>Datacenter</characteristicName>
        <characteristicValueId>1</characteristicValueId>
        <name>Asia</name>
        <description>Datacenter Asia</description>
        <characterizations xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance"/>
      </characteristicValues>
      <characteristicValues>
        <characteristicId>1000</characteristicId>
        <characteristicName>Datacenter</characteristicName>
        <characteristicValueId>2</characteristicValueId>
        <name>Europe</name>
        <description>Datacenter Europe</description>
        <characterizations xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance"/>
      </characteristicValues>
      <characteristicValues>
        <characteristicId>1000</characteristicId>
        <characteristicName>Datacenter</characteristicName>
        <characteristicValueId>3</characteristicValueId>
        <name>America</name>
        <description>Datacenter America</description>
        <characterizations xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance"/>
      </characteristicValues>
      <changeId xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"/>
      <includeAssignedElements>>false</includeAssignedElements>
    </characteristicValues>
  </ns2:getCharacteristicResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Characteristics Configuration \[page 150\]](#)

Related Information

[addCharacteristics \[page 151\]](#)

[addCharacteristicValues \[page 159\]](#)

[addCharacterizations \[page 164\]](#)

[deleteCharacterizations \[page 168\]](#)

[deleteCharacteristics \[page 171\]](#)

[deleteCharacteristicValues \[page 175\]](#)

[getCharacteristics \[page 184\]](#)

[getCharacterizations \[page 190\]](#)

2.2.3.6.8 getCharacteristics

This method retrieves details of all characteristics defined.

Request



Request Parameters

Void

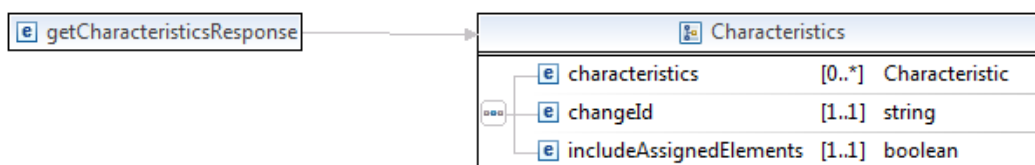
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:getCharacteristicsRequest xmlns:yq1="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 216: Characteristic

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
name	1	1	String	Name of the characteristic.
description	1	1	String	Description of the characteristic.
entityCardinality	1	1	Characterization EntityCardinality	Cardinality of the entity.
entityTypes	0	*	Characterization EntityType	Collection of entity types.
characteristicValues	1	1	CharacteristicValue	Collection of characteristic values.

Table 217: CharacterizationEntityCardinality

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityCardinality	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • SINGLE Entity assigned to a single characteristic value of the characteristic. • MULTIPLE Entity assigned to multiple characteristic values of the characteristic.

Table 218: CharacteristicValues

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicValues	0	*	CharacteristicValue	Collection of characteristic values.
changeId	1	1	String	This is used to pass the change ID if required.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
includeAssignedElements	1	1	Boolean	Flag, that indicates if assigned elements are included.

Table 219: CharacteristicValue

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
name	1	1	String	Name of the characteristic value.
description	1	1	String	Description of the characteristic value.
characterizations	1	1	Characterizations	Collection of characterizations.

Table 220: Characterizations

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characterizations	0	*	Characterizations	Collection of characterizations.
changeId	1	1	String	This is used to pass the change ID if required.

Table 221: Characterization

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueName	1	1	String	Name of the characteristic value.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
entityId	1	1	String	ID of the entity.
entityType	1	1	Characterization EntityType	Entity type

Table 222: CharacterizationEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Characterization EntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • HOST • VIRTUAL HOST • VIRTUAL HOST PROVIDER • SYSTEM • INSTANCE

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getCharacteristicsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <characteristics>
        <characteristicId>1000</characteristicId>
        <name>Datacenter</name>
        <description>Datacenter Location</description>
        <entityCardinality>SINGLE</entityCardinality>
        <entityTypes>HOST</entityTypes>
        <entityTypes>SYSTEM</entityTypes>
        <characteristicValues>
          <characteristicValues>
            <characteristicId>1000</characteristicId>
            <characteristicName>Datacenter</characteristicName>
            <characteristicValueId>1</characteristicValueId>
            <name>Asia</name>
            <description>Datacenter Asia</description>
            <characterizations xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
          </characteristicValues>
          <characteristicValues>
            <characteristicId>1000</characteristicId>
            <characteristicName>Datacenter</characteristicName>
            <characteristicValueId>2</characteristicValueId>
            <name>Europe</name>
            <description>Datacenter Europe</description>
            <characterizations xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"/>
          </characteristicValues>
          <characteristicValues>
            <characteristicId>1000</characteristicId>
            <characteristicName>Datacenter</characteristicName>
```

```

        <characteristicValueId>3</characteristicValueId>
        <name>America</name>
        <description>Datacenter America</description>
        <characterizations xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance"/>
    </characteristicValues>
    <changeId xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"/>
    <includeAssignedElements>false</includeAssignedElements>
</characteristicValues>
</characteristics>
<characteristics>
    <characteristicId>1</characteristicId>
    <name>Business Role</name>
    <description>Adaptive Computing Business Role</description>
    <entityCardinality>SINGLE</entityCardinality>
    <entityTypes>INSTANCE</entityTypes>
    <characteristicValues>
        <characteristicValues>
            <characteristicId>1</characteristicId>
            <characteristicName>Business Role</characteristicName>
            <characteristicValueId>1</characteristicValueId>
            <name>aaa</name>
            <description xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance"/>
            <characterizations xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance"/>
            </characteristicValues>
            <changeId xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"/>
            <includeAssignedElements>false</includeAssignedElements>
            </characteristicValues>
        </characteristics>
        <characteristics>
            <characteristicId>2</characteristicId>
            <name>Service Group</name>
            <description>Adaptive Computing Service Group</description>
            <entityCardinality>SINGLE</entityCardinality>
            <entityTypes>INSTANCE</entityTypes>
            <characteristicValues>
                <characteristicValues>
                    <characteristicId>2</characteristicId>
                    <characteristicName>Service Group</characteristicName>
                    <characteristicValueId>1</characteristicValueId>
                    <name>ddd</name>
                    <description xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance"/>
                    <characterizations xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance"/>
                    </characteristicValues>
                    <changeId xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"/>
                    <includeAssignedElements>false</includeAssignedElements>
                    </characteristicValues>
                </characteristics>
                <characteristics>
                    <characteristicId>3</characteristicId>
                    <name>Entity Usage</name>
                    <description>Adaptive Computing EntityUsage</description>
                    <entityCardinality>MULTIPLE</entityCardinality>
                    <entityTypes>HOST</entityTypes>
                    <entityTypes>VIRTUAL HOST PROVIDER</entityTypes>
                    <entityTypes>INSTANCE</entityTypes>
                    <characteristicValues>
                        <characteristicValues>
                            <characteristicId>3</characteristicId>
                            <characteristicName>Entity Usage</characteristicName>
                            <characteristicValueId>1</characteristicValueId>

```

```

        <name>ACM</name>
        <description xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance"/>
        <characterizations xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance"/>
        </characteristicValues>
        <characteristicValues>
            <characteristicId>3</characteristicId>
            <characteristicName>Entity Usage</characteristicName>
            <characteristicValueId>2</characteristicValueId>
            <name>COPYCLONE</name>
            <description xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance"/>
            <characterizations xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance"/>
            </characteristicValues>
            <changeId xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"/>
            <includeAssignedElements>>false</includeAssignedElements>
        </characteristicValues>
        </characteristics>
        <changeId xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"/>
        <includeAssignedElements>>false</includeAssignedElements>
    </ns2:getCharacteristicsResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Characteristics Configuration \[page 150\]](#)

Related Information

[addCharacteristics \[page 151\]](#)

[addCharacteristicValues \[page 159\]](#)

[addCharacterizations \[page 164\]](#)

[deleteCharacterizations \[page 168\]](#)

[deleteCharacteristics \[page 171\]](#)

[deleteCharacteristicValues \[page 175\]](#)

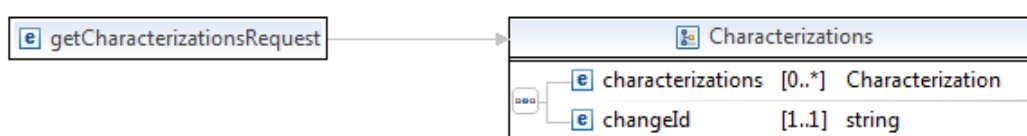
[getCharacteristic \[page 179\]](#)

[getCharacterizations \[page 190\]](#)

2.2.3.6.9 getCharacterizations

This method retrieves details of elements assigned to characteristic values.

Request



Request Parameters

Table 223: Characterizations

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characterizations	0	*	Characterization	Collection of characterizations.
changeId	1	1	String	This is used to pass the change ID if required.

Table 224: Characterization

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueName	1	1	String	Name of the characteristic value.
entityId	1	1	String	ID of the entity.
entityType	1	1	Characterization EntityType	Entity type

Table 225: CharacterizationEntityCardinality

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityCardinality	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • SINGLE Entity assigned to a single characteristic value of the characteristic. • MULTIPLE Entity assigned to multiple characteristic values of the characteristic.

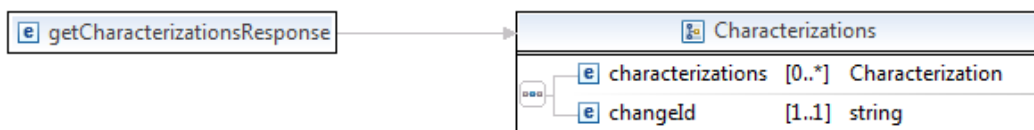
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getCharacterizationsRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <characterizations>
        <characteristicId>1000</characteristicId>
        <characteristicValueId>3</characteristicValueId>
        <characteristicName>Datacenter</characteristicName>
        <characteristicValueName/>
        <entityId/>
        <entityType/>
      </characterizations>
      <changeId/>
    </yql:getCharacterizationsRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 226: Characterizations

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characterizations	0	*	Characterization	Collection of characterizations.
changeId	1	1	String	This is used to pass the change ID if required.

Table 227: Characterization

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
characteristicId	1	1	Integer	ID of the characteristic.
characteristicValueId	1	1	Integer	ID of the characteristic value.
characteristicName	1	1	String	Name of the characteristic.
characteristicValueName	1	1	String	Name of the characteristic value.
entityId	1	1	String	ID of the entity.
entityType	1	1	Characterization EntityType	Entity type

Table 228: CharacterizationEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CharacterizationEntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • HOST • VIRTUAL HOST • VIRTUAL HOST PROVIDER • SYSTEM • INSTANCE

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
```



```
<ns2:getCharacterizationsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
  <characterizations>
    <characteristicId>1000</characteristicId>
    <characteristicValueId>3</characteristicValueId>
    <characteristicName>Datacenter</characteristicName>
    <characteristicValueName>America</characteristicValueName>
    <entityId>SystemID.BWQ.SystemHost.sapdbbhq.example.com</entityId>
    <entityType>SYSTEM</entityType>
  </characterizations>
  <changeId xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"/>
</ns2:getCharacterizationsResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Characteristics Configuration \[page 150\]](#)

Related Information

[addCharacteristics \[page 151\]](#)

[addCharacteristicValues \[page 159\]](#)

[addCharacterizations \[page 164\]](#)

[deleteCharacterizations \[page 168\]](#)

[deleteCharacteristics \[page 171\]](#)

[deleteCharacteristicValues \[page 175\]](#)

[getCharacteristic \[page 179\]](#)

[getCharacteristics \[page 184\]](#)

2.2.4 Control Methods

Control methods allow you to execute start and stop operations, reserve systems, retrieve status information of instances and execute operations.

[Operation Functions \[page 194\]](#)

Methods to perform start, stop, relocate operations, to reserve computer systems for starting or stopping operations and also to retrieve the status of the operations triggered.

[Pool Functions \[page 303\]](#)

Methods to access all or specific pool information which is available in SAP Landscape Management. Also the details of the services and computer systems configured to the pool are retrieved.

[Service Functions \[page 315\]](#)

Methods to retrieve details of systems or instances.

[Computer System Functions \[page 338\]](#)

Methods to access all or specific resource information which is available in SAP Landscape Management.

[Template Functions \[page 359\]](#)

[Operation Template Functions \[page 385\]](#)

Methods to retrieve details of operation templates, delete, or execute operation templates.

[Custom Process Functions \[page 404\]](#)

Methods to retrieve details of custom processes, delete, or execute custom processes.

[Custom Property Functions \[page 432\]](#)

Methods to retrieve, modify, or delete custom properties.

[Custom Relation Functions \[page 450\]](#)

Methods to add, retrieve, or delete custom relations.

2.2.4.1 Operation Functions

Methods to perform start, stop, relocate operations, to reserve computer systems for starting or stopping operations and also to retrieve the status of the operations triggered.

[autoselectComputerSystem \[page 195\]](#)

This method selects suitable computer systems for performing operations on instances or groups of instances.

[executeOperation \[page 202\]](#)

This method executes operations on instances such as start, stop, or relocate.

[getOperationProcessStatus \[page 209\]](#)

This method allows you to retrieve the status of the operation executed. The input of this method should be the process ID which was returned in the result of method `executeOperation`.

[clearNotes \[page 211\]](#)

This method clears notes for ServiceId collections.

[changePassword \[page 215\]](#)

This method modifies all passwords stored in SAP Landscape Management.

[getValidations \[page 220\]](#)

This method retrieves information about all validations for a specific entity type.

[getValidationResults \[page 224\]](#)

This method retrieves results of the runtime validation using entity IDs.

[getProcessDetails \[page 234\]](#)

This method retrieves process details using process IDs.

[getProcessesOfState \[page 249\]](#)

This method retrieves details of a process state using process IDs.

[getProcessStepLog \[page 264\]](#)

This method retrieves logs for one step in one process.

[retryProcess \[page 269\]](#)

This method retries a failed process.

[holdProcess \[page 272\]](#)

This method holds (suspends) a process which is currently being executing.

[releaseProcess \[page 276\]](#)

This method releases a process which is currently on hold (suspended).

[respondToProcessStep \[page 279\]](#)

This method responds to a process step waiting for user interaction.

[cancelProcess \[page 284\]](#)

This method cancels an activity (process) which is currently being executed.

[queryEntitiesById \[page 287\]](#)

This method searches for various entity properties available in your landscape.

[queryEntitiesFullText \[page 294\]](#)

This method searches for various entity properties available in your landscape.

[getRKSConfigurationsData \[page 301\]](#)

This method retrieves all rolling kernel switch (RKS) configurations created for a system.

Parent topic: [Control Methods \[page 193\]](#)

Related Information

[Pool Functions \[page 303\]](#)

[Service Functions \[page 315\]](#)

[Computer System Functions \[page 338\]](#)

[Template Functions \[page 359\]](#)

[Operation Template Functions \[page 385\]](#)

[Custom Process Functions \[page 404\]](#)

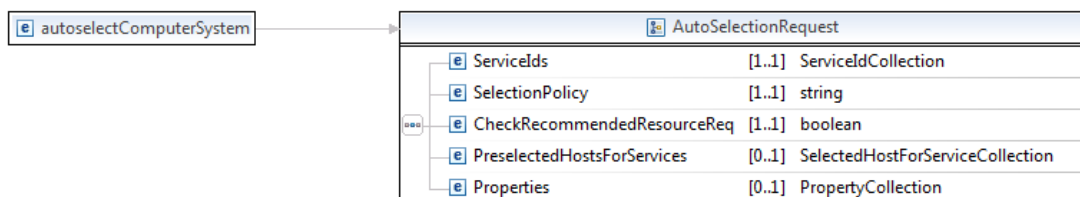
[Custom Property Functions \[page 432\]](#)

[Custom Relation Functions \[page 450\]](#)

2.2.4.1.1 autoselectComputerSystem

This method selects suitable computer systems for performing operations on instances or groups of instances.

Request



Request Parameters

Table 229: AutoSelectionRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceIds	1	1	ServiceIdCollection	Collection of ServiceIds. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • autoselectComputerSystem • clearNotes • getServiceData
SelectionPolicy	1	1	String	Selection policy. Possible values: <ul style="list-style-type: none"> • FirstFit • LastUsed
CheckRecommendedResourceReq	1	1	Boolean	Possible values: <ul style="list-style-type: none"> • true Checks resource requirements of the service. • false Does not check resource requirements of the service.
PreselectedHostsForServices	0	1	SelectedHostForServiceCollection	Preselected hosts for services.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 230: ServiceIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceIds	0	*	ServiceId	Collection of ServiceIds. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • autoselectComputerSystem • clearNotes • getServiceData
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 231: ServiceId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	not applicable	not applicable	String	Unique identifier for the service.

Table 232: SelectedHostForServiceCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SelectedHostForService	0	*	SelectedHostForService	Collection of hosts and service pairs returned by the auto-selector.

Table 233: SelectedHostForService

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	1	1	ServiceId	Unique identifier for the service.
Hostname	0	1	Hostname	Host name
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 234: Hostname

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	not applicable	not applicable	String	Host name

Table 235: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 236: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Request Example

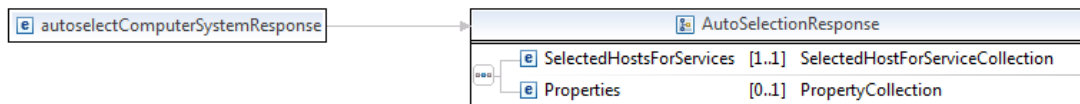
Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:autoselectComputerSystem xmlns:yql="http://xml.sap.com/2007/07/acc">
      <ServiceIds>
        <ServiceIds>SystemID.HNA.Number.00.InstanceHost.dbhna</ServiceIds>
      </ServiceIds>
      <SelectionPolicy>LastUsed</SelectionPolicy>
      <CheckRecommendedResourceReq>>false</CheckRecommendedResourceReq>
    </yql:autoselectComputerSystem>
  </SOAP-ENV:Body>
```

```
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 237: AutoSelectionResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SelectedHostsForServices	1	1	SelectedHostForServiceCollection	Collection of hosts and service pairs returned by the auto-selector.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 238: SelectedHostForServiceCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SelectedHostForService	0	*	SelectedHostForService	Collection of hosts and service pairs returned by the auto-selector.

Table 239: SelectedHostForService

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	1	1	ServiceId	Unique identifier for the service.
Hostname	0	1	Hostname	Host name
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 240: ServiceId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	not applicable	not applicable	String	Unique identifier for the service.

Table 241: Hostname

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	not applicable	not applicable	String	Host name

Table 242: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 243: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
```



```
<SOAP-ENV:Body>
  <ns2:autoselectComputerSystemResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
    <SelectedHostsForServices>
      <SelectedHostForService>
        <ServiceId>SystemID.HNA.Number.00.InstanceHost.dbhna</ServiceId>
        <Hostname>simpf00-vr-17</Hostname>
      </SelectedHostForService>
    </SelectedHostsForServices>
  </ns2:autoselectComputerSystemResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Operation Functions \[page 194\]](#)

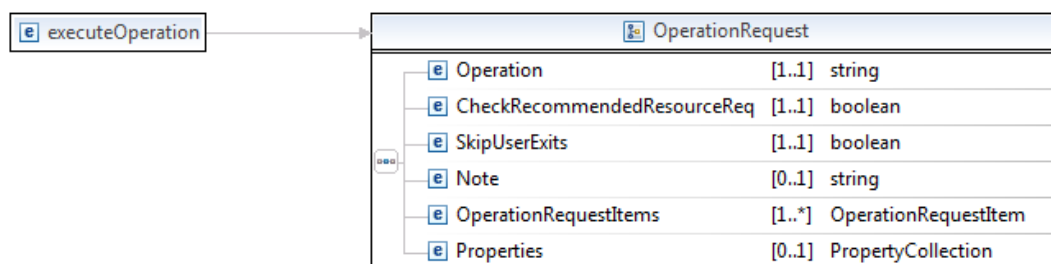
Related Information

[executeOperation \[page 202\]](#)
[getOperationProcessStatus \[page 209\]](#)
[clearNotes \[page 211\]](#)
[changePassword \[page 215\]](#)
[getValidations \[page 220\]](#)
[getValidationResults \[page 224\]](#)
[getProcessDetails \[page 234\]](#)
[getProcessesOfState \[page 249\]](#)
[getProcessStepLog \[page 264\]](#)
[retryProcess \[page 269\]](#)
[holdProcess \[page 272\]](#)
[releaseProcess \[page 276\]](#)
[respondToProcessStep \[page 279\]](#)
[cancelProcess \[page 284\]](#)
[queryEntitiesById \[page 287\]](#)
[queryEntitiesFullText \[page 294\]](#)
[getRKSConfigurationsData \[page 301\]](#)

2.2.4.1.2 executeOperation

This method executes operations on instances such as start, stop, or relocate.

Request



Request Parameters

Table 244: OperationRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Operation	1	1	String	<p>Type of operation to be performed. Allowed operations include</p> <ul style="list-style-type: none"> • start • stop • prepare • unprepare • relocate • restart • move • prepare+start • stop+unprepare • (prepare+)start • stop(+unprepare) • preparedForStart • forcedStart • forcedStop • forcedPrepare • forcedUnprepare • forcedRestart • forcedRelocate • forcedMove • registerIA • restartIA • clearAlerts • setNote • acc_internal_validate <div style="background-color: #fff9c4; padding: 5px;"> <p>i Note</p> <ul style="list-style-type: none"> • relocate means: stop + unprepare + prepare + start of a service. • move means: unprepare + prepare of a service. </div>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
				<ul style="list-style-type: none"> You use <code>acc_internal_validate</code> to schedule validations. <p>Custom Operations are referenced by name.</p>
<code>CheckRecommendedResourceReq</code>	1	1	Boolean	<p>Possible values:</p> <ul style="list-style-type: none"> <code>true</code> Checks resource requirements of the service. <code>false</code> Does not check resource requirements of the service.
<code>SkipUserExits</code>	1	1	Boolean	Set this field to true if User Exit scripts should be executed else set to false.
<code>Note</code>	0	1	String	<p>Notes</p> <p>For method <code>getOperationTemplateDetails</code>, the note of the operation template (concatenated note from all entities).</p>
<code>OperationRequestItems</code>	1	*	<code>OperationRequestItem</code>	List of services and hosts which are to be operated.
<code>Properties</code>	0	1	<code>PropertyCollection</code>	Collection of name and value pairs which can be used for later extensions.

For standard operations the following predefined `Property` parameters are available:

Table 245:

Name	Value
changeId	String
instanceSoftTimeout	Integer
dbHardShutdown	Boolean: true/false
ignoreNotes	Boolean: true/false
ignoreISD	Boolean: true/false
services_for_isd	Comma separated list of dependent services

For custom operations, `Property` parameters are passed by the name configured.

Table 246: OperationRequestItem

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	1	1	ServiceId	Unique identifier for the service.
Hostname	1	1	Hostname	Host name
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 247: ServiceId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	not applicable	not applicable	String	Unique identifier for the service.

Table 248: Hostname

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	not applicable	not applicable	String	Host name

Table 249: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 250: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

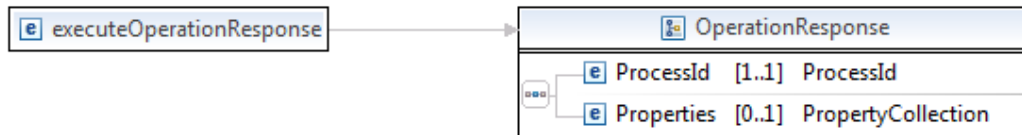
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:executeOperation xmlns:yq1="http://xml.sap.com/2007/07/acc">
      <Operation>stop</Operation>
      <CheckRecommendedResourceReq>false</CheckRecommendedResourceReq>
      <SkipUserExits>false</SkipUserExits>
      <OperationRequestItems>
        <ServiceId>SystemID.HNA.Number.00.InstanceHost.dbhna</ServiceId>
        <Hostname>simpf00-vr-17</Hostname>
      </OperationRequestItems>
    </yq1:executeOperation>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 251: OperationResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	1	1	ProcessId	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 252: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 253: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:executeOperationResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <ProcessId>process-553aa7e6-5898-11e5-818e-000000665ce2</ProcessId>
    </ns2:executeOperationResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Operation Functions \[page 194\]](#)

Related Information

[autoselectComputerSystem \[page 195\]](#)

[getOperationProcessStatus \[page 209\]](#)

[clearNotes \[page 211\]](#)

[changePassword \[page 215\]](#)

[getValidations \[page 220\]](#)

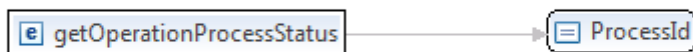
[getValidationResults \[page 224\]](#)

- [getProcessDetails \[page 234\]](#)
- [getProcessesOfState \[page 249\]](#)
- [getProcessStepLog \[page 264\]](#)
- [retryProcess \[page 269\]](#)
- [holdProcess \[page 272\]](#)
- [releaseProcess \[page 276\]](#)
- [respondToProcessStep \[page 279\]](#)
- [cancelProcess \[page 284\]](#)
- [queryEntitiesById \[page 287\]](#)
- [queryEntitiesFullText \[page 294\]](#)
- [getRKSConfigurationsData \[page 301\]](#)

2.2.4.1.3 getOperationProcessStatus

This method allows you to retrieve the status of the operation executed. The input of this method should be the process ID which was returned in the result of method `executeOperation`.

Request



Request Parameters

Table 254: ProcessId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	not applicable	not applicable	String	<p>Latest Process ID of the service.</p> <p>Returns the Process ID of the operation which was created for the <code>OperationRequest</code>. This process ID can be used to get the status of this operation.</p>


Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:getOperationProcessStatus xmlns:yq1="http://xml.sap.com/2007/07/
acc">process-553aa7e6-5898-11e5-818e-00000665ce2</yq1:getOperationProcessStatus>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 getOperationProcessStatusResponse

Response Parameters

String

Possible values:

- initial
- executing
- completed
- failed
- cancelling
- cancelled

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getOperationProcessStatusResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">completed</ns2:getOperationProcessStatusResponse>
```

```
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

Parent topic: [Operation Functions \[page 194\]](#)

Related Information

[autoselectComputerSystem \[page 195\]](#)

[executeOperation \[page 202\]](#)

[clearNotes \[page 211\]](#)

[changePassword \[page 215\]](#)

[getValidations \[page 220\]](#)

[getValidationResults \[page 224\]](#)

[getProcessDetails \[page 234\]](#)

[getProcessesOfState \[page 249\]](#)

[getProcessStepLog \[page 264\]](#)

[retryProcess \[page 269\]](#)

[holdProcess \[page 272\]](#)

[releaseProcess \[page 276\]](#)

[respondToProcessStep \[page 279\]](#)

[cancelProcess \[page 284\]](#)

[queryEntitiesById \[page 287\]](#)

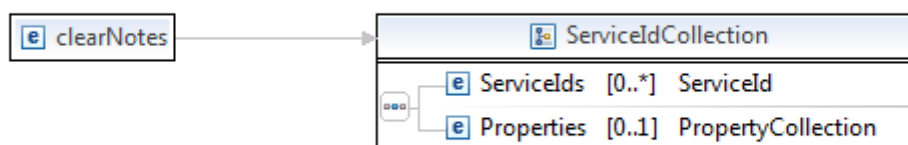
[queryEntitiesFullText \[page 294\]](#)

[getRKSConfigurationsData \[page 301\]](#)

2.2.4.1.4 clearNotes

This method clears notes for ServiceId collections.

Request



Request Parameters

Table 255: ServiceIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceIds	0	*	ServiceId	Collection of Service-Ids. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • autoselectComputerSystem • clearNotes • getServiceData
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 256: ServiceId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	not applicable	not applicable	String	Unique identifier for the service.

Table 257: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 258: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.


Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:clearNotes xmlns:yql="http://xml.sap.com/2007/07/acc">
      <ServiceIds>SystemID.HNA.Number.00.InstanceHost.dbhna</ServiceIds>
    </yql:clearNotes>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 clearNotesResponse

Response Parameters

Table 259:

Type	Description
Boolean	true/ false

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:clearNotesResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">true</
ns2:clearNotesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Operation Functions \[page 194\]](#)

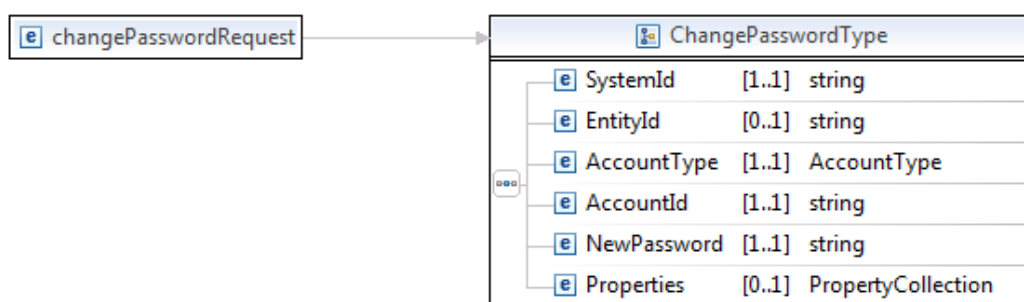
Related Information

[autoselectComputerSystem \[page 195\]](#)
[executeOperation \[page 202\]](#)
[getOperationProcessStatus \[page 209\]](#)
[changePassword \[page 215\]](#)
[getValidations \[page 220\]](#)
[getValidationResults \[page 224\]](#)
[getProcessDetails \[page 234\]](#)
[getProcessesOfState \[page 249\]](#)
[getProcessStepLog \[page 264\]](#)
[retryProcess \[page 269\]](#)
[holdProcess \[page 272\]](#)
[releaseProcess \[page 276\]](#)
[respondToProcessStep \[page 279\]](#)
[cancelProcess \[page 284\]](#)
[queryEntitiesById \[page 287\]](#)
[queryEntitiesFullText \[page 294\]](#)
[getRKSConfigurationsData \[page 301\]](#)

2.2.4.1.5 changePassword

This method modifies all passwords stored in SAP Landscape Management.

Request



Request Parameters

Table 260: ChangePasswordType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description								
AccountType	1	1	AccountType	Possible values: <ul style="list-style-type: none"> • SAPADM • SIDADM • DB_ADMIN • DB_SUPER_ADMIN • DB_JAVA_SCHEMA • DB_ABAP_SCHEMA • RFC 								
AccountId	1	1	String	Name of the account that belongs to the AccountType. <div style="background-color: #fff9c4; padding: 10px; margin-top: 10px;"> <p> Example</p> <p>Table 261:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Account-Type</th> <th style="text-align: center;">Account-Id</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">SA-PADM</td> <td style="text-align: center;">SA-PADM</td> </tr> <tr> <td style="text-align: center;">SAPSID</td> <td style="text-align: center;"><SID>ADM</td> </tr> <tr> <td style="text-align: center;">DBADM</td> <td style="text-align: center;">myDbADM</td> </tr> </tbody> </table> </div>	Account-Type	Account-Id	SA-PADM	SA-PADM	SAPSID	<SID>ADM	DBADM	myDbADM
Account-Type	Account-Id											
SA-PADM	SA-PADM											
SAPSID	<SID>ADM											
DBADM	myDbADM											
NewPassword	1	1	String	New password.								
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.								

Table 262: AccountType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
AccountType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • SAPADM • SIDADM • DB_ADMIN • DB_SUPER_ADMIN • DB_JAVA_SCHEMA • DB_ABAP_SCHEMA • RFC

Table 263: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 264: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:changePasswordRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <SystemId>SystemID.PWD.SystemHost.vhspwd01</SystemId>
      <EntityId>SystemID.PWD.Number.00.InstanceHost.vhspwd01</EntityId>
      <AccountType>SAPADM</AccountType>
      <AccountId>1234</AccountId>
      <NewPassword>administrator</NewPassword>
    </yql:changePasswordRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 265: ResponseBoolean

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Result	1	1	Boolean	Boolean result returned from custom property operations.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
```

```
<ns2:changePasswordResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">true</ns2:changePasswordResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

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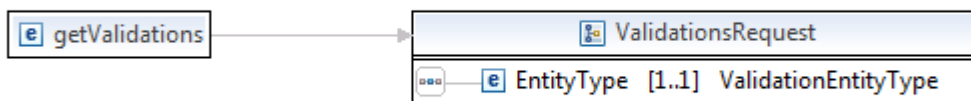
Related Information

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[clearNotes \[page 211\]](#)
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2.2.4.1.6 getValidations

This method retrieves information about all validations for a specific entity type.

Request



Request Parameters

Table 266: ValidationsRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	ValidationEntityType	<p>Type of entities on which the validations are applicable.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER <p>Additional values for method queryEntitiesById and queryEntitiesFullText:</p> <ul style="list-style-type: none"> • HOST • POOL • CONTAINER

Table 267: ValidationEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationEntityType	not applicable	not applicable	String	<p>Possible values:</p> <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER

Request Example

Sample Code

XML

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:acc="http://xml.sap.com/2007/07/acc">
```

```

<soapenv:Header/>
<soapenv:Body>
  <acc:getValidations>
    <EntityType>SERVICE</EntityType>
  </acc:getValidations>
</soapenv:Body>
</soapenv:Envelope>

```

Response



Response Parameters

Table 268: ValidationsResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Validations	0	1	ValidationsCollection	Collection of validations.

Table 269: ValidationsCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Validation	0	*	Validation	Collection of validation information.

Table 270: Validation

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationID	1	1	String	ID of the validation.
ValidationName	1	1	String	Name of the validation.
ValidationShortName	1	1	String	Short name of the validation as displayed on the User Interface in English.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationDescription	1	1	String	Description of the validation

Response Example

Sample Code

XML

```
<SOAP-ENV:Envelope xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getValidationsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <Validations>
        <Validation>
          <ValidationID>VALIDATION_VIRTUAL_PROVIDER_CPU_UTIL</ValidationID>
          <ValidationName>CPU Utilization of Virtual Provider</ValidationName>
          <ValidationShortName>VirtProvCPUUtil</ValidationShortName>
          <ValidationDescription>Validates the CPU utilization fo the virtual provider against a configured threshold</ValidationDescription>
        </Validation>
        <Validation>
          <ValidationID>VALIDATION_VIRTUAL_PROVIDER_MEM_UTIL</ValidationID>
          <ValidationName>Validates the memory consumption of the virtual provider and the absolute threshold</ValidationName>
          <ValidationShortName>VirtProvUtil</ValidationShortName>
          <ValidationDescription>Validates the memory consumption of the virtual provider against the configured relative (percentage) and absolute (in MB) thresholds</ValidationDescription>
        </Validation>
      </Validations>
    </ns2:getValidationsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

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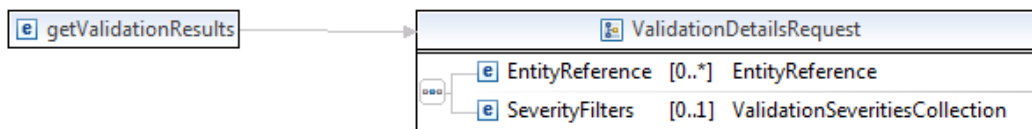
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2.2.4.17 getValidationResults

This method retrieves results of the runtime validation using entity IDs.

Request



Request Parameters

Table 271: ValidationDetailsRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityReference	0	*	EntityReference	All types of entities such as services, host, or pool, that are shared in one process and all steps can access them. This parameter is mandatory for method <code>getValidationResults</code> .

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SeverityFilters	0	1	ValidationSeveritiesCollection	Collection of severities used to filter the validation results.

Table 272: ValidationSeveritiesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Severity	0	*	ValidationSeverity	Severity of log or validation result.

Table 273: ValidationSeverity

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationSeverity	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • NOT_APPLICABLE • SUCCESS • NONE • DISABLED • SUPPRESSED • INFO • WARNING • ERROR

Table 274: EntityReference

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	EntityType	<p>Type of entities on which the validations are applicable.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER <p>Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code>:</p> <ul style="list-style-type: none"> • HOST • POOL • CONTAINER

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationFilters	0	1	ValidationShortNamesCollection	Collection of validation IDs used to filter the validation results.

Table 275: EntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	not applicable	not applicable	String	Type of entities on which the validations are applicable. Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code> : <ul style="list-style-type: none"> • HOST • POOL • CONTAINER

Table 276: ValidationShortNamesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationShortName	0	*	String	Short name of the validation as displayed on the User Interface in English.

Request Example

Sample Code

XML

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:acc="http://xml.sap.com/2007/07/acc">
  <soapenv:Header/>
```

```

<soapenv:Body>
  <acc:getValidationResults>
    <EntityReference>
      <EntityType>COMPUTERSYSTEM</EntityType>
      <EntityId>simcs000</EntityId>
      <ValidationFilters>
        <ValidationId>VALIDATE_UPDATE_LIBS</ValidationId>
        <ValidationId>VALIDATE_FREE_SPACE_HOST</ValidationId>
      </ValidationFilters>
    </EntityReference>
    <SeverityFilters>
      <Severity>WARNING</Severity>
    </SeverityFilters>
  </acc:getValidationResults>
</soapenv:Body>
</soapenv:Envelope>

```

Response



Response Parameters

Table 277: ValidationDetailsResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationResults	1	1	ValidationResults	Collection with validations.

Table 278: ValidationResults

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationResults	0	*	ValidationResults	Collection with validations.

Table 279: ValidationResult

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> • In combination with AccountType SIDADM. • In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 10px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> • In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
				For all other scenarios you must specify the <code>EntityId</code> .
<code>EntityType</code>	0	1	String	Type of entities on which the validations are applicable. Possible values: <ul style="list-style-type: none"> • <code>COMPUTERSYSTEM</code> • <code>SERVICE</code> • <code>VIRTUAL_RESOURCE</code> • <code>VIRTUAL_RESOURCE_PROVIDER</code> Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code> : <ul style="list-style-type: none"> • <code>HOST</code> • <code>POOL</code> • <code>CONTAINER</code>
<code>ValidationIssueExists</code>	0	1	Boolean	Flag that indicates if there is a validation issue.
<code>ValidationDetails</code>	0	1	<code>ValidationDetails</code>	List of <code>ValidationDetails</code> collection.

Table 280: ValidationDetails

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
<code>ValidationDetail</code>	0	*	<code>ValidationDetail</code>	Collection with validation parameters.

Table 281: ValidationDetail

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Severity	0	1	ValidationSeverity	Severity of log or validation result.
Validation	0	1	String	Collection of validation information.
ValidationTimeStamp	0	1	String	Time when validation was executed.
ValidationMessage	0	1	String	Text message with validation result.

Table 282: ValidationSeverity

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationSeverity	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • NOT_APPLICABLE • SUCCESS • NONE • DISABLED • SUPPRESSED • INFO • WARNING • ERROR

Response Example

Sample Code

XML

```

<SOAP-ENV:Envelope xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getValidationResultsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <ValidationResults>
        <ValidationResult>
          <EntityId>simcs000</EntityId>
          <EntityType>COMPUTERSYSTEM</EntityType>
          <ValidationIssueExists>true</ValidationIssueExists>
          <ValidationDetails>
            <ValidationDetail>
              <Severity>WARNING</Severity>
              <Validation>VALIDATE_FREE_SPACE_HOST</Validation>
              <ValidationMessage>File system simfiler:/vol/vol0/simmount1 mounted on /mnt/simmount1 has limited free space: 50 MB (4% of total capacity) left</ValidationMessage>
            </ValidationDetail>
            <ValidationDetail>
              <Severity>WARNING</Severity>
            </ValidationDetail>
          </ValidationDetails>
        </ValidationResult>
      </ValidationResults>
    </ns2:getValidationResultsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```



```

        <Validation>VALIDATE_FREE_SPACE_HOST</Validation>
        <ValidationMessage>File system simfiler:/vol/vol0/simmount10
mounted on /mnt/simmount10 has limited free space: 40 MB (3% of total capacity)
left</ValidationMessage>
        </ValidationDetail>
        <ValidationDetail>
        <Severity>WARNING</Severity>
        <Validation>VALIDATE_FREE_SPACE_HOST</Validation>
        <ValidationMessage>File system simfiler:/vol/vol0/simmount11
mounted on /mnt/simmount11 has limited free space: 20 MB (1% of total capacity)
left</ValidationMessage>
        </ValidationDetail>
        <ValidationDetail>
        <Severity>WARNING</Severity>
        <Validation>VALIDATE_FREE_SPACE_HOST</Validation>
        <ValidationMessage>File system simfiler:/vol/vol0/simmount9
mounted on /mnt/simmount9 has limited free space: 10 MB (0% of total capacity)
left</ValidationMessage>
        </ValidationDetail>
        <ValidationDetail>
        <Severity>WARNING</Severity>
        <Validation>VALIDATE_UPDATE_LIBS</Validation>
        <ValidationMessage>Error executing SAP Landscape Management
sapacosprep operation UpdateLibs. Details:
Command Execution Failed (Fault Code: 127) ACOSPrep Messages:
For details, check the ASUI.log file on host</ValidationMessage>
        </ValidationDetail>
        </ValidationDetails>
    </ValidationResult>
</ValidationResults>
</ns2:getValidationResultsResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

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[getOperationProcessStatus \[page 209\]](#)

[clearNotes \[page 211\]](#)

[changePassword \[page 215\]](#)

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[getProcessesOfState \[page 249\]](#)

[getProcessStepLog \[page 264\]](#)

[retryProcess \[page 269\]](#)

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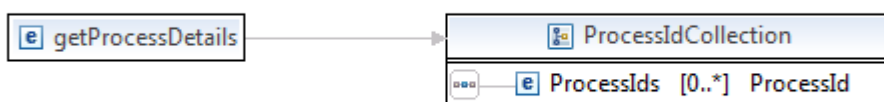
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2.2.4.1.8 getProcessDetails

This method retrieves process details using process IDs.

Request



Request Parameters

Table 283: ProcessIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessIds	0	*	ProcessId	List of process IDs. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • cancelProcesses • getProcessDetails • holdProcess • releaseProcess • retryProcess

Table 284: ProcessId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	not applicable	not applicable	String	<p>Latest Process ID of the service.</p> <p>Returns the Process ID of the operation which was created for the OperationRequest. This process ID can be used to get the status of this operation.</p>

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getProcessDetails xmlns:yql="http://xml.sap.com/2007/07/acc">
      <ProcessIds>process-2ea32e4d-6bd0-11e4-914a-000000665ce2</ProcessIds>
    </yql:getProcessDetails>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 285: ProcessDataCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessData	0	*	ProcessData	Collection of properties for a process.

Table 286: ProcessData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	0	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.
ProcessState	0	1	String	Overall process state aggregating all process step states. For example initial, preparing.
Username	0	1	String	User that started execution of a process.
Description	0	1	String	Description for the entity.
ProcessNumber	0	1	Integer	Unique number of process.
RetryCounter	0	1	Integer	How many times to retry one process in case of failure.
Note	0	1	String	Notes For method <code>getOperationTemplateDetails</code> , the note of the operation template (concatenated note from all entities).
ProcessBeginExecutingTimestamp	0	1	String	Time stamp of starting of execution of one process.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessEndExecutingTimestamp	0	1	String	Time stamp of starting of execution of one process.
ProcessElapsedTime	0	1	Long	How long continues one process step or a process.
IsCancelable	0	1	Boolean	Flag, that indicates if process can be canceled
IsSuspendable	0	1	Boolean	Indicates if one process can be suspend or not.
IsResumable	0	1	Boolean	Indicates if one process can be resumed or not.
IsRetryable	0	1	Boolean	Indicates if one process can be retried or not.
IsRemovable	0	1	Boolean	Indicates if one process can be removed or not.
ChangeId	0	1	String	<ul style="list-style-type: none"> Identifies changes performed from outside. ChangeID used to track the entity with the ID CustomProcessId. ChangeID used to track the entity with the ID OperationTemplateId.
AllSharedEntities	0	*	AllSharedEntities	All types of entities (like services, host, pool) that are shared in one process and all steps can access them.
ProcessSteps	0	*	ProcessSteps	Collection of Process steps.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 287: AllSharedEntity

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SharedEntity	0	*	SharedEntity	Shared entity

Table 288: SharedEntity

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CsId	0	1	String	Unique identifier for the host in one shared entity.



Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	0	1	String	Type of entities on which the validations are applicable. Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code> : <ul style="list-style-type: none"> • HOST • POOL • CONTAINER
ProcessId	0	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.
Count	0	1	Integer	Number of shared entity of specific type.

Table 289: ProcessSteps

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessStep	0	*	ProcessStep	Collection with properties for one step in process.

Table 290: ProcessStep

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessStepId	0	1	String	Process step ID.
ServiceId	0	1	String	Unique identifier for the service.
ComputerSystemId	0	1	String	Unique identifier for the host.
VirtualResourceId	0	1	String	Unique identifier of virtual resource.
VirtualResourceProviderId	0	1	String	Unique identifier for provider of virtual resource.
DetailedState	0	1	String	Detailed state of one process step.
BeginExecutingTimestamp	0	1	String	Time stamp of starting of execution of one step. <div style="background-color: #fff9c4; padding: 5px;">  Example Start operation begin on <time stamp> </div>
EndExecutingTimestamp	0	1	String	Time stamp of finishing of execution of one step. <div style="background-color: #fff9c4; padding: 5px;">  Example Start operation begin on <time stamp> </div>
ElapsedTimeInMilliSecond	0	1	Long	Elapsed time in milliseconds.
ProcessStepTimeoutInMilliseconds	0	1	Long	Time out period in milliseconds for one step.
OperationId	0	1	String	Unique identifier for the operation.
OperationName	0	1	String	Name of operation.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
IsErrorHook	0	1	Boolean	Indicates if one step contains a hook on error or not.
IsPreHook	0	1	Boolean	Indicates if one step contains hook or after ordinary operation not.
IsPostHook	0	1	Boolean	Indicates if one step contains hook before ordinary operation or not.
IsHook	0	1	Boolean	Indicates if one step contains a hook or not.
IsCustomOperation	0	1	Boolean	Indicates if one step contains custom operation or not.
VpmOperation	0	1	Boolean	Operation on virtual resource.
TimedOut	0	1	Boolean	Flag that indicates if one process or step into process need to fail if time for execution time out without result.
IsPredecessor	0	1	Boolean	Indicates if one step has successors or not.
ProcessStepOrder Number	0	1	Integer	Order number of the step in a process.
NumberOfPredecessors	0	1	Integer	How many steps there are before this step in process.
ProcessStepState	0	1	ProcessStepState Type	Individual process step states.
OperationInteraction	0	1	OperationInteraction	Parameter of a user interaction needed for a one step in process.

Table 291: ProcessStepStateType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessStepState Type	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • initial • executing • completed • failed • failedPredecessor • cancelling • cancelled • timedout • skipped • waiting

Table 292: OperationInteraction

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Message	0	1	String	Detailed message.
HasUserInputAction	1	1	Boolean	Flag that indicates if user input is needed.
HasRetryAction	1	1	Boolean	Flag that indicates if user input has <i>Retry</i> option.
HasSkipAction	1	1	Boolean	Flag that indicates if user input has <i>Skip</i> option.
HasCancelAction	1	1	Boolean	Flag that indicates if user input has <i>Cancel</i> option.
HasOKAction	1	1	Boolean	Flag that indicates if user input has <i>OK</i> option.
HasYesAction	1	1	Boolean	Flag that indicates if user input has <i>Yes</i> option.
HasNoAction	1	1	Boolean	Flag that indicates if user input has <i>No</i> option.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
UserResponse	0	1	UserResponse	Collection of UserId, UserAction, and UserInput.

Table 293: UserResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
UserId	1	1	String	ID of the user that respond to operation interaction.
UserInput	0	1	String	Free text input.
UserAction	1	1	UserActionType	User input as action such as yes, no, or cancel.

Table 294: UserActionType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
UserActionType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • retry • skip • cancel • ok • yes • no • empty

Table 295: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 296: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getProcessDetailsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <ProcessData>
        <ProcessId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2</ProcessId>
        <ProcessState>completed</ProcessState>
        <Username>SAP</Username>
        <Description>MASS_restart</Description>
        <ProcessNumber>1281</ProcessNumber>
        <RetryCounter>0</RetryCounter>
        <ProcessBeginExecutingTimestamp>2014 11 14 07:31:01</
ProcessBeginExecutingTimestamp>
        <ProcessEndExecutingTimestamp>2014 11 14 07:34:38</
ProcessEndExecutingTimestamp>
        <ProcessElapsedTime>217512</ProcessElapsedTime>
        <IsCancelable>>false</IsCancelable>
        <IsSuspendable>>false</IsSuspendable>
        <IsResumable>>false</IsResumable>
        <IsRetryable>>false</IsRetryable>
        <IsRemovable>>true</IsRemovable>
        <ProcessSteps>
          <ProcessStep>
            <ProcessStepId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2-step-3</
ProcessStepId>
            <ServiceId>SystemID.X00.Number.10.InstanceHost.simas0x00</ServiceId>
            <ComputerSystemId>simcs001</ComputerSystemId>
            <DetailedState>detailedState</DetailedState>
            <BeginExecutingTimestamp>2014 11 14 07:31:01</BeginExecutingTimestamp>
```

```

<EndExecutingTimestamp>2014 11 14 07:31:18</EndExecutingTimestamp>
<ElapsedTimeInMilliseconds>17438</ElapsedTimeInMilliseconds>
<ProcessStepTimeoutInMilliseconds>0</ProcessStepTimeoutInMilliseconds>
<OperationId>Stop SAP Instance</OperationId>
<OperationName>stop</OperationName>
<IsErrorHook>>false</IsErrorHook>
<IsPreHook>>false</IsPreHook>
<IsPostHook>>false</IsPostHook>
<IsHook>>false</IsHook>
<IsCustomOperation>>false</IsCustomOperation>
<VpmOperation>>false</VpmOperation>
<TimedOut>>false</TimedOut>
<IsPredecessor>>false</IsPredecessor>
<ProcessStepOrderNumber>0</ProcessStepOrderNumber>
<NumberOfPredecessors>0</NumberOfPredecessors>
<ProcessStepState>completed</ProcessStepState>
</ProcessStep>
<ProcessStep>
  <ProcessStepId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2-step-4</
ProcessStepId>
  <ServiceId>SystemID.X00.Number.00.InstanceHost.simcix00</ServiceId>
  <ComputerSystemId>simcs001</ComputerSystemId>
  <DetailedState>detailedState</DetailedState>
  <BeginExecutingTimestamp>2014 11 14 07:31:38</BeginExecutingTimestamp>
  <EndExecutingTimestamp>2014 11 14 07:31:58</EndExecutingTimestamp>
  <ElapsedTimeInMilliseconds>20167</ElapsedTimeInMilliseconds>
  <ProcessStepTimeoutInMilliseconds>0</ProcessStepTimeoutInMilliseconds>
  <OperationId>Stop SAP Instance</OperationId>
  <OperationName>stop</OperationName>
  <IsErrorHook>>false</IsErrorHook>
  <IsPreHook>>false</IsPreHook>
  <IsPostHook>>false</IsPostHook>
  <IsHook>>false</IsHook>
  <IsCustomOperation>>false</IsCustomOperation>
  <VpmOperation>>false</VpmOperation>
  <TimedOut>>false</TimedOut>
  <IsPredecessor>>false</IsPredecessor>
  <ProcessStepOrderNumber>1</ProcessStepOrderNumber>
  <NumberOfPredecessors>1</NumberOfPredecessors>
  <ProcessStepState>completed</ProcessStepState>
</ProcessStep>
<ProcessStep>
  <ProcessStepId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2-step-6</
ProcessStepId>
  <ServiceId>SystemID.X00.Number.10.InstanceHost.simas0x00</ServiceId>
  <ComputerSystemId>simcs001</ComputerSystemId>
  <DetailedState>detailedState</DetailedState>
  <BeginExecutingTimestamp>2014 11 14 07:34:18</BeginExecutingTimestamp>
  <EndExecutingTimestamp>2014 11 14 07:34:38</EndExecutingTimestamp>
  <ElapsedTimeInMilliseconds>20177</ElapsedTimeInMilliseconds>
  <ProcessStepTimeoutInMilliseconds>0</ProcessStepTimeoutInMilliseconds>
  <OperationId>Start SAP Instance</OperationId>
  <OperationName>start</OperationName>
  <IsErrorHook>>false</IsErrorHook>
  <IsPreHook>>false</IsPreHook>
  <IsPostHook>>false</IsPostHook>
  <IsHook>>false</IsHook>
  <IsCustomOperation>>false</IsCustomOperation>
  <VpmOperation>>false</VpmOperation>
  <TimedOut>>false</TimedOut>
  <IsPredecessor>>false</IsPredecessor>
  <ProcessStepOrderNumber>5</ProcessStepOrderNumber>
  <NumberOfPredecessors>3</NumberOfPredecessors>
  <ProcessStepState>completed</ProcessStepState>
</ProcessStep>
<ProcessStep>
  <ProcessStepId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2-step-5</
ProcessStepId>

```

```

    <ServiceId>SystemID.X00.Number.00.InstanceHost.simcix00</ServiceId>
    <ComputerSystemId>simcs001</ComputerSystemId>
    <DetailedState>detailedState</DetailedState>
    <BeginExecutingTimestamp>2014 11 14 07:33:38</BeginExecutingTimestamp>
    <EndExecutingTimestamp>2014 11 14 07:33:58</EndExecutingTimestamp>
    <ElapsedTimeInMilliseconds>20123</ElapsedTimeInMilliseconds>
    <ProcessStepTimeoutInMilliseconds>0</ProcessStepTimeoutInMilliseconds>
    <OperationId>Start SAP Instance</OperationId>
    <OperationName>start</OperationName>
    <IsErrorHook>>false</IsErrorHook>
    <IsPreHook>>false</IsPreHook>
    <IsPostHook>>false</IsPostHook>
    <IsHook>>false</IsHook>
    <IsCustomOperation>>false</IsCustomOperation>
    <VpmOperation>>false</VpmOperation>
    <TimedOut>>false</TimedOut>
    <IsPredecessor>>false</IsPredecessor>
    <ProcessStepOrderNumber>4</ProcessStepOrderNumber>
    <NumberOfPredecessors>2</NumberOfPredecessors>
    <ProcessStepState>completed</ProcessStepState>
  </ProcessStep>
  <ProcessStep>
    <ProcessStepId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2-step-2</
ProcessStepId>
  <ServiceId>DatabaseName.X00.DatabaseType.ADA.DatabaseHost.simdbx00</
ServiceId>
    <ComputerSystemId>simcs001</ComputerSystemId>
    <DetailedState>detailedState</DetailedState>
    <BeginExecutingTimestamp>2014 11 14 07:32:18</BeginExecutingTimestamp>
    <EndExecutingTimestamp>2014 11 14 07:32:38</EndExecutingTimestamp>
    <ElapsedTimeInMilliseconds>20137</ElapsedTimeInMilliseconds>
    <ProcessStepTimeoutInMilliseconds>0</ProcessStepTimeoutInMilliseconds>
    <OperationId>Stop Database</OperationId>
    <OperationName>stop</OperationName>
    <IsErrorHook>>false</IsErrorHook>
    <IsPreHook>>false</IsPreHook>
    <IsPostHook>>false</IsPostHook>
    <IsHook>>false</IsHook>
    <IsCustomOperation>>false</IsCustomOperation>
    <VpmOperation>>false</VpmOperation>
    <TimedOut>>false</TimedOut>
    <IsPredecessor>>false</IsPredecessor>
    <ProcessStepOrderNumber>2</ProcessStepOrderNumber>
    <NumberOfPredecessors>2</NumberOfPredecessors>
    <ProcessStepState>completed</ProcessStepState>
  </ProcessStep>
  <ProcessStep>
    <ProcessStepId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2-step-1</
ProcessStepId>
  <ServiceId>DatabaseName.X00.DatabaseType.ADA.DatabaseHost.simdbx00</
ServiceId>
    <ComputerSystemId>simcs001</ComputerSystemId>
    <DetailedState>detailedState</DetailedState>
    <BeginExecutingTimestamp>2014 11 14 07:32:58</BeginExecutingTimestamp>
    <EndExecutingTimestamp>2014 11 14 07:33:18</EndExecutingTimestamp>
    <ElapsedTimeInMilliseconds>20117</ElapsedTimeInMilliseconds>
    <ProcessStepTimeoutInMilliseconds>0</ProcessStepTimeoutInMilliseconds>
    <OperationId>Start Database</OperationId>
    <OperationName>start</OperationName>
    <IsErrorHook>>false</IsErrorHook>
    <IsPreHook>>false</IsPreHook>
    <IsPostHook>>false</IsPostHook>
    <IsHook>>false</IsHook>
    <IsCustomOperation>>false</IsCustomOperation>
    <VpmOperation>>false</VpmOperation>
    <TimedOut>>false</TimedOut>
    <IsPredecessor>>false</IsPredecessor>
    <ProcessStepOrderNumber>3</ProcessStepOrderNumber>

```

```
<NumberOfPredecessors>1</NumberOfPredecessors>
  <ProcessStepState>completed</ProcessStepState>
</ProcessStep>
</ProcessSteps>
</ProcessData>
</ns2:getProcessDetailsResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Operation Functions \[page 194\]](#)

Related Information

[autoselectComputerSystem \[page 195\]](#)
[executeOperation \[page 202\]](#)
[getOperationProcessStatus \[page 209\]](#)
[clearNotes \[page 211\]](#)
[changePassword \[page 215\]](#)
[getValidations \[page 220\]](#)
[getValidationResults \[page 224\]](#)
[getProcessesOfState \[page 249\]](#)
[getProcessStepLog \[page 264\]](#)
[retryProcess \[page 269\]](#)
[holdProcess \[page 272\]](#)
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[cancelProcess \[page 284\]](#)
[queryEntitiesById \[page 287\]](#)
[queryEntitiesFullText \[page 294\]](#)
[getRKSConfigurationsData \[page 301\]](#)

2.2.4.1.9 getProcessesOfState

This method retrieves details of a process state using process IDs.

Request



Request Parameters

Table 297: ProcessStateTypeCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessStateTypes	0	*	ProcessStateType	Collection of ProcessStateType. This parameter is mandatory for method getProcessesOfState.

Table 298: ProcessStateType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessStateType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • initial • executing • completed • failed • cancelling • cancellingHard • cancelled • partiallyFailed • suspending • suspended • timedout

Request Example

 **Sample Code**

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getProcessesOfState xmlns:yql="http://xml.sap.com/2007/07/acc">
      <ProcessStateTypes>completed</ProcessStateTypes>
    </yql:getProcessesOfState>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 299: ProcessDataCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessData	0	*	ProcessData	Collection of properties for a process.

Table 300: ProcessData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	0	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.
ProcessState	0	1	String	Overall process state aggregating all process step states. For example initial, preparing.
Username	0	1	String	User that started execution of a process.
Description	0	1	String	Description for the entity.
ProcessNumber	0	1	Integer	Unique number of process.
RetryCounter	0	1	Integer	How many times to retry one process in case of failure.
Note	0	1	String	Notes For method <code>getOperationTemplateDetails</code> , the note of the operation template (concatenated note from all entities).
ProcessBeginExecutingTimestamp	0	1	String	Time stamp of starting of execution of one process.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessEndExecutingTimestamp	0	1	String	Time stamp of starting of execution of one process.
ProcessElapsedTime	0	1	Long	How long continues one process step or a process.
IsCancelable	0	1	Boolean	Flag, that indicates if process can be canceled
IsSuspendable	0	1	Boolean	Indicates if one process can be suspend or not.
IsResumable	0	1	Boolean	Indicates if one process can be resumed or not.
IsRetryable	0	1	Boolean	Indicates if one process can be retried or not.
IsRemovable	0	1	Boolean	Indicates if one process can be removed or not.
ChangeId	0	1	String	<ul style="list-style-type: none"> Identifies changes performed from outside. ChangeID used to track the entity with the ID CustomProcessesId. ChangeID used to track the entity with the ID OperationTemplateId.
AllSharedEntities	0	*	AllSharedEntities	All types of entities (like services, host, pool) that are shared in one process and all steps can access them.
ProcessSteps	0	*	ProcessSteps	Collection of Process steps.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 301: AllSharedEntity

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SharedEntity	0	*	SharedEntity	Shared entity

Table 302: SharedEntity

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CsId	0	1	String	Unique identifier for the host in one shared entity.



Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	0	1	String	Type of entities on which the validations are applicable. Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code> : <ul style="list-style-type: none"> • HOST • POOL • CONTAINER
ProcessId	0	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.
Count	0	1	Integer	Number of shared entity of specific type.

Table 303: ProcessSteps

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessStep	0	*	ProcessStep	Collection with properties for one step in process.

Table 304: ProcessStep

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessStepId	0	1	String	Process step ID.
ServiceId	0	1	String	Unique identifier for the service.
ComputerSystemId	0	1	String	Unique identifier for the host.
VirtualResourceId	0	1	String	Unique identifier of virtual resource.
VirtualResourceProviderId	0	1	String	Unique identifier for provider of virtual resource.
DetailedState	0	1	String	Detailed state of one process step.
BeginExecutingTimestamp	0	1	String	Time stamp of starting of execution of one step. <div style="background-color: #fff9c4; padding: 5px;"> <p> Example</p> <p>Start operation begin on <code><timestamp></code></p> </div>
EndExecutingTimestamp	0	1	String	Time stamp of finishing of execution of one step. <div style="background-color: #fff9c4; padding: 5px;"> <p> Example</p> <p>Start operation begin on <code><timestamp></code></p> </div>
ElapsedTimeInMilliSecond	0	1	Long	Elapsed time in milliseconds.
ProcessStepTimeoutInMilliseconds	0	1	Long	Time out period in milliseconds for one step.
OperationId	0	1	String	Unique identifier for the operation.
OperationName	0	1	String	Name of operation.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
IsErrorHook	0	1	Boolean	Indicates if one step contains a hook on error or not.
IsPreHook	0	1	Boolean	Indicates if one step contains hook or after ordinary operation not.
IsPostHook	0	1	Boolean	Indicates if one step contains hook before ordinary operation or not.
IsHook	0	1	Boolean	Indicates if one step contains a hook or not.
IsCustomOperation	0	1	Boolean	Indicates if one step contains custom operation or not.
VpmOperation	0	1	Boolean	Operation on virtual resource.
TimedOut	0	1	Boolean	Flag that indicates if one process or step into process need to fail if time for execution time out without result.
IsPredecessor	0	1	Boolean	Indicates if one step has successors or not.
ProcessStepOrderNumber	0	1	Integer	Order number of the step in a process.
NumberOfPredecessors	0	1	Integer	How many steps there are before this step in process.
ProcessStepState	0	1	ProcessStepState Type	Individual process step states.
OperationInteraction	0	1	OperationInteraction	Parameter of a user interaction needed for a one step in process.

Table 305: ProcessStepStateType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessStepState Type	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • initial • executing • completed • failed • failedPredecessor • cancelling • cancelled • timedout • skipped • waiting

Table 306: OperationInteraction

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Message	0	1	String	Detailed message.
HasUserInputAction	1	1	Boolean	Flag that indicates if user input is needed.
HasRetryAction	1	1	Boolean	Flag that indicates if user input has <i>Retry</i> option.
HasSkipAction	1	1	Boolean	Flag that indicates if user input has <i>Skip</i> option.
HasCancelAction	1	1	Boolean	Flag that indicates if user input has <i>Cancel</i> option.
HasOKAction	1	1	Boolean	Flag that indicates if user input has <i>OK</i> option.
HasYesAction	1	1	Boolean	Flag that indicates if user input has <i>Yes</i> option.
HasNoAction	1	1	Boolean	Flag that indicates if user input has <i>No</i> option.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
UserResponse	0	1	UserResponse	Collection of UserId, UserAction, and UserInput.

Table 307: UserResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
UserId	1	1	String	ID of the user that respond to operation interaction.
UserInput	0	1	String	Free text input.
UserAction	1	1	UserActionType	User input as action such as yes, no, or cancel.

Table 308: UserActionType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
UserActionType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • retry • skip • cancel • ok • yes • no • empty

Table 309: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 310: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getProcessDetailsForStateResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">
      <ProcessData>
        <ProcessId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2</ProcessId>
        <ProcessState>completed</ProcessState>
        <Username>SAP</Username>
        <Description>MASS_restart</Description>
        <ProcessNumber>1281</ProcessNumber>
        <RetryCounter>0</RetryCounter>
        <ProcessBeginExecutingTimestamp>2014 11 14 07:31:01</
ProcessBeginExecutingTimestamp>
        <ProcessEndExecutingTimestamp>2014 11 14 07:34:38</
ProcessEndExecutingTimestamp>
        <ProcessElapsedTime>217512</ProcessElapsedTime>
        <IsCancelable>>false</IsCancelable>
        <IsSuspendable>>false</IsSuspendable>
        <IsResumable>>false</IsResumable>
        <IsRetryable>>false</IsRetryable>
        <IsRemovable>>true</IsRemovable>
        <ProcessSteps>
          <ProcessStep>
            <ProcessStepId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2-step-3</
ProcessStepId>
            <ServiceId>SystemID.X00.Number.10.InstanceHost.simas0x00</ServiceId>
            <ComputerSystemId>simcs001</ComputerSystemId>
            <DetailedState>detailedState</DetailedState>
          </ProcessStep>
        </ProcessSteps>
      </ns2:getProcessDetailsForStateResponse>
    </SOAP-ENV:Body>
  </SOAP-ENV:Envelope>
```

```

<BeginExecutingTimestamp>2014 11 14 07:31:01</BeginExecutingTimestamp>
<EndExecutingTimestamp>2014 11 14 07:31:18</EndExecutingTimestamp>
<ElapsedTimeInMilliseconds>17438</ElapsedTimeInMilliseconds>
<ProcessStepTimeoutInMilliseconds>0</ProcessStepTimeoutInMilliseconds>
<OperationId>Stop SAP Instance</OperationId>
<OperationName>stop</OperationName>
<IsErrorHook>>false</IsErrorHook>
<IsPreHook>>false</IsPreHook>
<IsPostHook>>false</IsPostHook>
<IsHook>>false</IsHook>
<IsCustomOperation>>false</IsCustomOperation>
<VpmOperation>>false</VpmOperation>
<TimedOut>>false</TimedOut>
<IsPredecessor>>false</IsPredecessor>
<ProcessStepOrderNumber>0</ProcessStepOrderNumber>
<NumberOfPredecessors>0</NumberOfPredecessors>
<ProcessStepState>completed</ProcessStepState>
</ProcessStep>
<ProcessStep>
  <ProcessStepId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2-step-4</
ProcessStepId>
  <ServiceId>SystemID.X00.Number.00.InstanceHost.simcix00</ServiceId>
  <ComputerSystemId>simcs001</ComputerSystemId>
  <DetailedState>detailedState</DetailedState>
  <BeginExecutingTimestamp>2014 11 14 07:31:38</BeginExecutingTimestamp>
  <EndExecutingTimestamp>2014 11 14 07:31:58</EndExecutingTimestamp>
  <ElapsedTimeInMilliseconds>20167</ElapsedTimeInMilliseconds>
  <ProcessStepTimeoutInMilliseconds>0</ProcessStepTimeoutInMilliseconds>
  <OperationId>Stop SAP Instance</OperationId>
  <OperationName>stop</OperationName>
  <IsErrorHook>>false</IsErrorHook>
  <IsPreHook>>false</IsPreHook>
  <IsPostHook>>false</IsPostHook>
  <IsHook>>false</IsHook>
  <IsCustomOperation>>false</IsCustomOperation>
  <VpmOperation>>false</VpmOperation>
  <TimedOut>>false</TimedOut>
  <IsPredecessor>>false</IsPredecessor>
  <ProcessStepOrderNumber>1</ProcessStepOrderNumber>
  <NumberOfPredecessors>1</NumberOfPredecessors>
  <ProcessStepState>completed</ProcessStepState>
</ProcessStep>
<ProcessStep>
  <ProcessStepId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2-step-6</
ProcessStepId>
  <ServiceId>SystemID.X00.Number.10.InstanceHost.simas0x00</ServiceId>
  <ComputerSystemId>simcs001</ComputerSystemId>
  <DetailedState>detailedState</DetailedState>
  <BeginExecutingTimestamp>2014 11 14 07:34:18</BeginExecutingTimestamp>
  <EndExecutingTimestamp>2014 11 14 07:34:38</EndExecutingTimestamp>
  <ElapsedTimeInMilliseconds>20177</ElapsedTimeInMilliseconds>
  <ProcessStepTimeoutInMilliseconds>0</ProcessStepTimeoutInMilliseconds>
  <OperationId>Start SAP Instance</OperationId>
  <OperationName>start</OperationName>
  <IsErrorHook>>false</IsErrorHook>
  <IsPreHook>>false</IsPreHook>
  <IsPostHook>>false</IsPostHook>
  <IsHook>>false</IsHook>
  <IsCustomOperation>>false</IsCustomOperation>
  <VpmOperation>>false</VpmOperation>
  <TimedOut>>false</TimedOut>
  <IsPredecessor>>false</IsPredecessor>
  <ProcessStepOrderNumber>5</ProcessStepOrderNumber>
  <NumberOfPredecessors>3</NumberOfPredecessors>
  <ProcessStepState>completed</ProcessStepState>
</ProcessStep>
</ProcessStep>

```

```

    <ProcessStepId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2-step-5</
ProcessStepId>
    <ServiceId>SystemID.X00.Number.00.InstanceHost.simcix00</ServiceId>
    <ComputerSystemId>simcs001</ComputerSystemId>
    <DetailedState>detailedState</DetailedState>
    <BeginExecutingTimestamp>2014 11 14 07:33:38</BeginExecutingTimestamp>
    <EndExecutingTimestamp>2014 11 14 07:33:58</EndExecutingTimestamp>
    <ElapsedTimeInMilliseconds>20123</ElapsedTimeInMilliseconds>
    <ProcessStepTimeoutInMilliseconds>0</ProcessStepTimeoutInMilliseconds>
    <OperationId>Start SAP Instance</OperationId>
    <OperationName>start</OperationName>
    <IsErrorHook>>false</IsErrorHook>
    <IsPreHook>>false</IsPreHook>
    <IsPostHook>>false</IsPostHook>
    <IsHook>>false</IsHook>
    <IsCustomOperation>>false</IsCustomOperation>
    <VpmOperation>>false</VpmOperation>
    <TimedOut>>false</TimedOut>
    <IsPredecessor>>false</IsPredecessor>
    <ProcessStepOrderNumber>4</ProcessStepOrderNumber>
    <NumberOfPredecessors>2</NumberOfPredecessors>
    <ProcessStepState>completed</ProcessStepState>
  </ProcessStep>
  <ProcessStep>
    <ProcessStepId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2-step-2</
ProcessStepId>
    <ServiceId>DatabaseName.X00.DatabaseType.ADA.DatabaseHost.simdbx00</
ServiceId>
    <ComputerSystemId>simcs001</ComputerSystemId>
    <DetailedState>detailedState</DetailedState>
    <BeginExecutingTimestamp>2014 11 14 07:32:18</BeginExecutingTimestamp>
    <EndExecutingTimestamp>2014 11 14 07:32:38</EndExecutingTimestamp>
    <ElapsedTimeInMilliseconds>20137</ElapsedTimeInMilliseconds>
    <ProcessStepTimeoutInMilliseconds>0</ProcessStepTimeoutInMilliseconds>
    <OperationId>Stop Database</OperationId>
    <OperationName>stop</OperationName>
    <IsErrorHook>>false</IsErrorHook>
    <IsPreHook>>false</IsPreHook>
    <IsPostHook>>false</IsPostHook>
    <IsHook>>false</IsHook>
    <IsCustomOperation>>false</IsCustomOperation>
    <VpmOperation>>false</VpmOperation>
    <TimedOut>>false</TimedOut>
    <IsPredecessor>>false</IsPredecessor>
    <ProcessStepOrderNumber>2</ProcessStepOrderNumber>
    <NumberOfPredecessors>2</NumberOfPredecessors>
    <ProcessStepState>completed</ProcessStepState>
  </ProcessStep>
  <ProcessStep>
    <ProcessStepId>process-2ea32e4d-6bd0-11e4-914a-000000665ce2-step-1</
ProcessStepId>
    <ServiceId>DatabaseName.X00.DatabaseType.ADA.DatabaseHost.simdbx00</
ServiceId>
    <ComputerSystemId>simcs001</ComputerSystemId>
    <DetailedState>detailedState</DetailedState>
    <BeginExecutingTimestamp>2014 11 14 07:32:58</BeginExecutingTimestamp>
    <EndExecutingTimestamp>2014 11 14 07:33:18</EndExecutingTimestamp>
    <ElapsedTimeInMilliseconds>20117</ElapsedTimeInMilliseconds>
    <ProcessStepTimeoutInMilliseconds>0</ProcessStepTimeoutInMilliseconds>
    <OperationId>Start Database</OperationId>
    <OperationName>start</OperationName>
    <IsErrorHook>>false</IsErrorHook>
    <IsPreHook>>false</IsPreHook>
    <IsPostHook>>false</IsPostHook>
    <IsHook>>false</IsHook>
    <IsCustomOperation>>false</IsCustomOperation>
    <VpmOperation>>false</VpmOperation>
    <TimedOut>>false</TimedOut>

```

```
<IsPredecessor>>false</IsPredecessor>
<ProcessStepOrderNumber>3</ProcessStepOrderNumber>
<NumberOfPredecessors>1</NumberOfPredecessors>
<ProcessStepState>completed</ProcessStepState>
</ProcessStep>
</ProcessSteps>
</ProcessData>
</ns2:getProcessDetailsForStateResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

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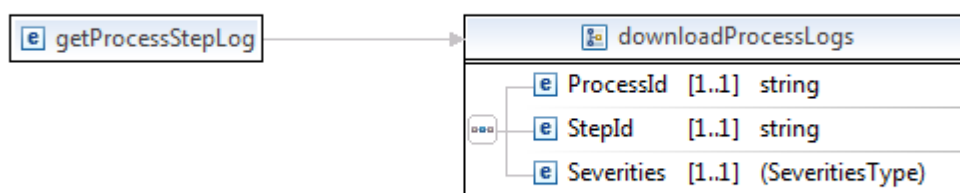
[queryEntitiesFullText \[page 294\]](#)

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2.2.4.1.10 getProcessStepLog

This method retrieves logs for one step in one process.

Request



Request Parameters

Table 311: downloadProcessLogs

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	1	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.
StepId	1	1	String	Unique identifier of a step in concrete process.
Severities	1	1	(Severities Type)	Severities

Table 312: LogSeverity

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
LogSeverity	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • DEBUG • INFO • WARNING • ERROR • RESULT • ALL

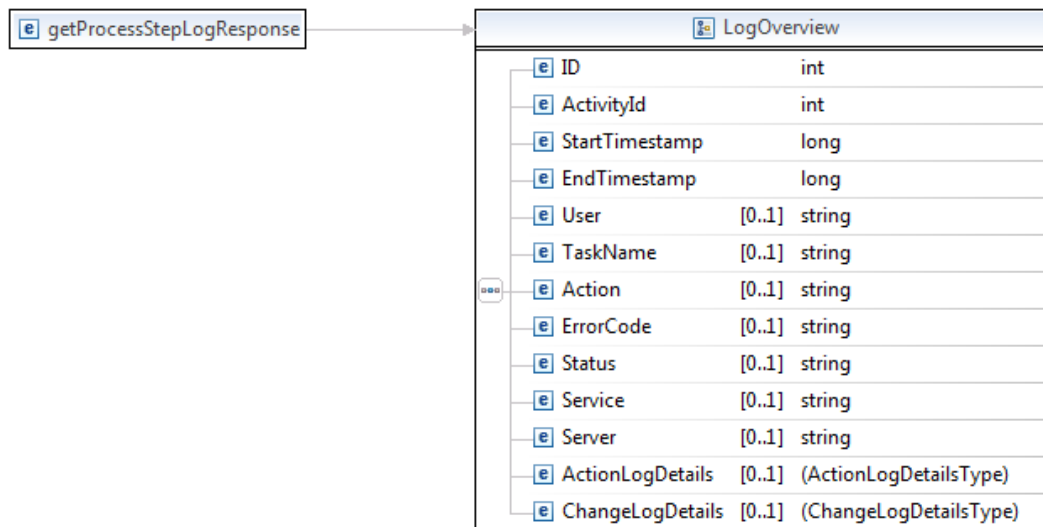
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getProcessStepLog xmlns:yql="http://xml.sap.com/2007/07/acc">
      <ProcessId>process-b3f86c33-c692-11e5-a7af-000000665ce2</ProcessId>
      <StepId>process-b3f86c33-c692-11e5-a7af-000000665ce2-step-7</StepId>
      <Severity>INFO</Severity>
    </yql:getProcessStepLog>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 313: LogOverview

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ID	not applicable	not applicable	Integer	ID
ActivityId	not applicable	not applicable	Integer	ID of the activity.
StartTimestamp	not applicable	not applicable	Long	Start of the operation.
EndTimestamp	not applicable	not applicable	Long	End of the operation.
User	0	1	String	User name
TaskName	0	1	String	Name of the template.
Action	0	1	String	Operation name.
ErrorCode	0	1	String	Error code
Status	0	1	String	Status
Service	0	1	String	Service
Server	0	1	String	Server

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ActionLogDetails	0	1	(ActionLogDetailsType)	Action log details
ChangeLogDetails	0	1	(ChangeLogDetailsType)	Change log details

Table 314: (ActionLogDetailsType)

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ActionLog	0	*	generalLogDetailImplDTO	Action log details

Table 315: generalLogDetailImplDTO

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
HeaderKey	not applicable	not applicable	Integer	Header key
ActionTimestamp	not applicable	not applicable	Long	Action time stamp
StepIndex	not applicable	not applicable	Integer	Step index
MessageCode	0	1	String	Message code.
Severity	0	1	String	Severity of log or validation result.
MessageText	0	1	String	Message text.
computerSystemId	0	1	String	Unique identifier for the host.
changeId	0	1	String	This is used to pass the change ID if required.

Table 316: (ChangeLogDetailsType)

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ChangeLog	0	*	changeLogDetailImplDTO	Change log details

Table 317: changeLogDetailImplDTO

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ActionTimestamp	not applicable	not applicable	Long	Action time stamp

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
KeyName	0	1	String	ID of the configuration value changed.
OldValue	0	1	String	Old value of the configuration changed.
NewValue	0	1	String	New value of the configuration changed.
headerKey	not applicable	not applicable	Integer	Header key
detailKey	not applicable	not applicable	Integer	Detail key
changeId	0	1	String	This is used to pass the change ID if required.

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getProcessStepLogResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <ID>2516</ID>
      <ActivityId>2296</ActivityId>
      <StartTimestamp>1454076909915</StartTimestamp>
      <EndTimestamp>1454076909915</EndTimestamp>
      <User>Administrator</User>
      <TaskName>N/A</TaskName>
      <Action>FirewallFencingstart</Action>
      <ErrorCode>N/A</ErrorCode>
      <Status>inprocess</Status>

    <Service>DatabaseName.EHD.DatabaseInstance.HDB00.DatabaseType.HDB.DatabaseHost.sap
dbhd.example.com</Service>
    <Server>develop-vm-15</Server>
    <ActionLogDetails>
      <ActionLog>
        <HeaderKey>2516</HeaderKey>
        <ActionTimestamp>1454076910124</ActionTimestamp>
        <StepIndex>7</StepIndex>
        <MessageCode>LVM</MessageCode>
        <Severity>INFO</Severity>
        <MessageText>Executing the operation process step with ID 'process-
b3f86c33-c692-11e5-a7af-000000665ce2-step-7' now. Type of operation: 'Fence
cloned systems - system clone provisioning'</MessageText>
      </ActionLog>
      <ActionLog>
        <HeaderKey>2516</HeaderKey>
        <ActionTimestamp>1454076910049</ActionTimestamp>
        <StepIndex>1</StepIndex>
        <MessageCode>LVM</MessageCode>
        <Severity>INFO</Severity>
        <MessageText>Start executing phase - ConfigureFirewall ...</MessageText>
      </ActionLog>
    </ActionLogDetails>
  </ns2:getProcessStepLogResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```
</ActionLogDetails>
</ns2:getProcessStepLogResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

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2.2.4.1.11 retryProcess

This method retries a failed process.

Request



Request Parameters

Table 318: ProcessIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessIds	0	*	ProcessId	<p>List of process IDs.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> cancelProcesses getProcessDetails holdProcess releaseProcess retryProcess

Table 319: ProcessId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	not applicable	not applicable	String	<p>Latest Process ID of the service.</p> <p>Returns the Process ID of the operation which was created for the <code>OperationRequest</code>. This process ID can be used to get the status of this operation.</p>

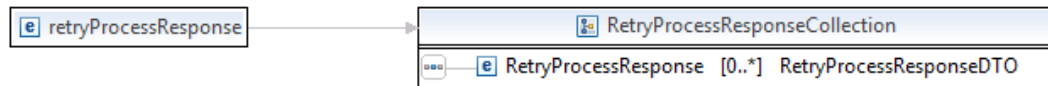
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xs="http://www.w3.org/
2001/XMLSchema">
  <SOAP-ENV:Body>
    <yql:retryProcessRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <ProcessIds>process-28aed80f-5af3-11e5-9f4e-00000665ce2</ProcessIds>
    </yql:retryProcessRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 320: RetryProcessResponseCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
RetryProcessResponse	0	*	RetryProcessResponseDTO	Retry process response

Table 321: RetryProcessResponseDTO

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	0	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.
Message	0	1	String	Detailed message.
NewProcessId	0	1	String	ID of the new process.

Response Example

Sample Code

XML

```

<ns2:retryProcessResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
  <retryProcessResponse>
    <RetryProcessCollection>
      <RetryProcessResponse>
        <ProcessId>process-28aed80f-5af3-11e5-9f4e-000000665ce2</
ProcessId>
        <Message>Successfully Retried</Message>
        <NewProcessId>process-835004ba-92b0-11e5-9306-000000665ce2</
NewProcessId>
      </RetryProcessResponse>
    </RetryProcessCollection>
  </retryProcessResponse>
</ns2:retryProcessResponse>
  
```

```
</RetryProcessCollection>
</retryProcessResponse>
</ns2:retryProcessResponse>
```

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2.2.4.1.12 holdProcess

This method holds (suspends) a process which is currently beeing executing.

Request



Request Parameters

Table 322: ProcessIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessIds	0	*	ProcessId	<p>List of process IDs.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> cancelProcesses getProcessDetails holdProcess releaseProcess retryProcess

Table 323: ProcessId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	not applicable	not applicable	String	<p>Latest Process ID of the service.</p> <p>Returns the Process ID of the operation which was created for the OperationRequest. This process ID can be used to get the status of this operation.</p>

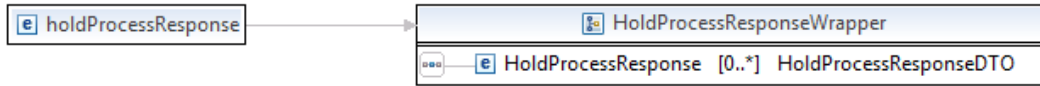
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xs="http://www.w3.org/
2001/XMLSchema">
  <SOAP-ENV:Body>
    <yq1:holdProcessRequest xmlns:yq1="http://xml.sap.com/2007/07/acc">
      <ProcessIds>process-b3f86c33-c692-11e5-a7af-00000665ce2</ProcessIds>
    </yq1:holdProcessRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 324: HoldProcessResponseWrapper

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
HoldProcessResponse	0	*	HoldProcessResponseDTO	Hold process response

Table 325: HoldProcessResponseDTO

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	0	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.
status	0	1	ProcessOperationStatus	Status of the operation.
Message	0	1	String	Detailed message.

Table 326: ProcessOperationStatus

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessOperationStatus	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • success • error

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:holdProcessResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <HoldProcessResponse>
        <ProcessId>process-b3f86c33-c692-11e5-a7af-000000665ce2</ProcessId>
        <status>success</status>
        <Message xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"/>
      </HoldProcessResponse>
    </ns2:holdProcessResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

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2.2.4.1.13 releaseProcess

This method releases a process which is currently on hold (suspended).

Request



Request Parameters

Table 327: ProcessIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessIds	0	*	ProcessId	List of process IDs. This parameter is mandatory for the following methods: <ul style="list-style-type: none">• cancelProcesses• getProcessDetails• holdProcess• releaseProcess• retryProcess

Table 328: ProcessId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	not applicable	not applicable	String	<p>Latest Process ID of the service.</p> <p>Returns the Process ID of the operation which was created for the <code>OperationRequest</code>. This process ID can be used to get the status of this operation.</p>

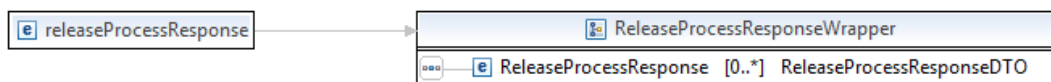
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xs="http://www.w3.org/
2001/XMLSchema">
  <SOAP-ENV:Body>
    <yq1:releaseProcessRequest xmlns:yq1="http://xml.sap.com/2007/07/acc">
      <ProcessIds>process-b3f86c33-c692-11e5-a7af-00000665ce2</ProcessIds>
    </yq1:releaseProcessRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 329: ReleaseProcessResponseWrapper

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ReleaseProcessResponse	0	*	ReleaseProcessResponseDTO	Release process response

Table 330: ReleaseProcessResponseDTO

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	0	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.
status	0	1	ProcessOperationStatus	Status of the operation.
Message	0	1	String	Detailed message.

Table 331: ProcessOperationStatus

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessOperationStatus	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • success • error

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:releaseProcessResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <ReleaseProcessResponse>
        <ProcessId>process-b3f86c33-c692-11e5-a7af-000000665ce2</ProcessId>
        <status>success</status>
        <Message xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"/>
      </ReleaseProcessResponse>
    </ns2:releaseProcessResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

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2.2.4.1.14 respondToProcessStep

This method responds to a process step waiting for user interaction.

Request



Request Parameters

Table 332: ProcessStepResponseCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessStepResponse	0	*	ProcessStepResponse	Response of process step execution. This parameter is mandatory for method <code>respondToProcessStep</code> .

Table 333: ProcessStepResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	1	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.
ProcessStepId	1	1	String	Process step ID.
UserAction	1	1	UserActionType	User input as action such as yes, no, or cancel.
UserInput	0	1	String	Free text input.

Table 334: UserActionType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
UserActionType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • retry • skip • cancel • ok • yes • no • empty

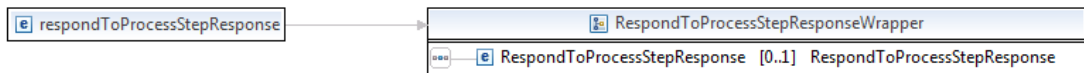
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xs="http://www.w3.org/
2001/XMLSchema">
  <SOAP-ENV:Body>
    <yql:respondToProcessStepRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <ProcessStepResponse>
        <ProcessId>process-3aa22ad4-2f27-11e2-aa5a-0000008b8fee</ProcessId>
        <ProcessStepId>process-3aa22ad4-2f27-11e2-aa5a-0000008b8fee-step-1</
ProcessStepId>
        <UserAction>ok</UserAction>
      </ProcessStepResponse>
    </yql:respondToProcessStepRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 335: RespondToProcessStepResponseWrapper

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
RespondToProcessStepResponse	0	1	RespondToProcessStepResponse	Respond to process step response

Table 336: RespondToProcessStepResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SuccessfullyResponded	0	1	(SuccessfullyRespondedType)	List of SuccessfulProcessStepResponse.
Errors	0	1	(ErrorsType)	Errors

Table 337: (SuccessfullyRespondedType)

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SuccessfulProcessStepResponse	0	*	ProcessStepResponse	Process step response information

Table 338: ProcessStepResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	1	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.
ProcessStepId	1	1	String	Process step ID.
UserAction	1	1	UserActionType	User input as action such as yes, no, or cancel.
UserInput	0	1	String	Free text input.

Table 339: (ErrorsType)

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ErrorProcessStepResponse	0	*	ErrorProcessStepResponse	Process step response information

Table 340: ErrorProcessStepResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	0	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.
ProcessStepId	0	1	String	Process step ID.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
UserAction	0	1	UserActionType	User input as action such as yes, no, or cancel.
UserInput	0	1	String	Free text input.
ErrorMessage	0	1	String	Error message

Table 341: UserActionType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
UserActionType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • retry • skip • cancel • ok • yes • no • empty

Response Example

Sample Code

XML

```

<ns2:respondToProcessStepResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
  <respondToProcessStepResponse>
    <SuccessfullyResponded>
      <SuccessfulProcessStepResponse>
        <ProcessId>process-835004ba-92b0-11e5-9306-000000665ce2</
ProcessId>
        <ProcessStepId>process-835004ba-92b0-11e5-9306-000000665ce2-
step-13</ProcessStepId>
        <UserAction>ok</UserAction>
      </SuccessfulProcessStepResponse>
    </SuccessfullyResponded>
    <Errors/>
  </respondToProcessStepResponse>
</ns2:respondToProcessStepResponse>

```

Parent topic: [Operation Functions \[page 194\]](#)

Related Information

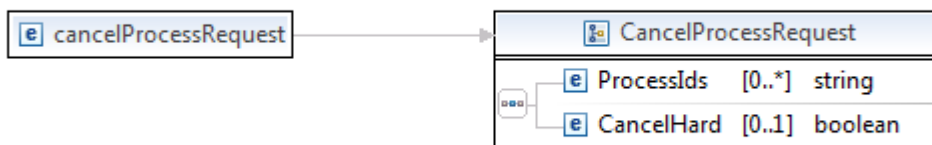
[autoselectComputerSystem \[page 195\]](#)

- [executeOperation \[page 202\]](#)
- [getOperationProcessStatus \[page 209\]](#)
- [clearNotes \[page 211\]](#)
- [changePassword \[page 215\]](#)
- [getValidations \[page 220\]](#)
- [getValidationResults \[page 224\]](#)
- [getProcessDetails \[page 234\]](#)
- [getProcessesOfState \[page 249\]](#)
- [getProcessStepLog \[page 264\]](#)
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- [holdProcess \[page 272\]](#)
- [releaseProcess \[page 276\]](#)
- [cancelProcess \[page 284\]](#)
- [queryEntitiesById \[page 287\]](#)
- [queryEntitiesFullText \[page 294\]](#)
- [getRKSConfigurationsData \[page 301\]](#)

2.2.4.1.15 cancelProcess

This method cancels an activity (process) which is currently being executed.

Request



Request Parameters

Table 342: CancelProcessRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessIds	0	*	String	List of process IDs. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> cancelProcesses getProcessDetails holdProcess releaseProcess retryProcess
CancelHard	0	1	Boolean	Cancel hard

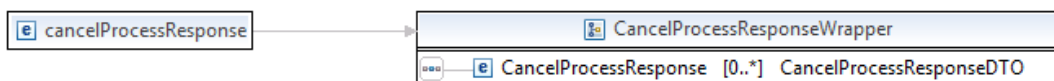
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xs="http://www.w3.org/
2001/XMLSchema">
  <SOAP-ENV:Body>
    <yql:cancelProcessRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <ProcessIds>process-b3f86c33-c692-11e5-a7af-000000665ce2</ProcessIds>
      <CancelHard>true</CancelHard>
    </yql:cancelProcessRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 343: CancelProcessResponseWrapper

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CancelProcessResponse	0	*	CancelProcessResponseDTO	Cancel process response

Table 344: CancelProcessResponseDTO

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessId	0	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.
status	0	1	ProcessOperationStatus	Status of the operation.
Message	0	1	String	Detailed message.

Table 345: ProcessOperationStatus

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ProcessOperationStatus	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • success • error

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:cancelProcessResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <CancelProcessResponse>
        <ProcessId>process-b3f86c33-c692-11e5-a7af-000000665ce2</ProcessId>
        <status>success</status>
        <Message xsi:nil="true" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"/>
      </CancelProcessResponse>
    </ns2:cancelProcessResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Operation Functions \[page 194\]](#)

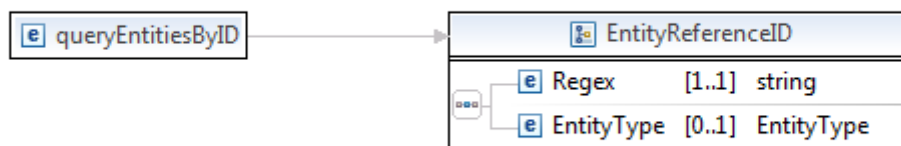
Related Information

- [autoselectComputerSystem \[page 195\]](#)
- [executeOperation \[page 202\]](#)
- [getOperationProcessStatus \[page 209\]](#)
- [clearNotes \[page 211\]](#)
- [changePassword \[page 215\]](#)
- [getValidations \[page 220\]](#)
- [getValidationResults \[page 224\]](#)
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- [releaseProcess \[page 276\]](#)
- [respondToProcessStep \[page 279\]](#)
- [queryEntitiesById \[page 287\]](#)
- [queryEntitiesFullText \[page 294\]](#)
- [getRKSConfigurationsData \[page 301\]](#)

2.2.4.1.16 queryEntitiesById

This method searches for various entity properties available in your landscape.

Request



Request Parameters

Table 346: EntityReferenceID

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Regex	1	1	String	Java regular expression
EntityType	0	1	EntityType	<p>Type of entities on which the validations are applicable.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER <p>Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code>:</p> <ul style="list-style-type: none"> • HOST • POOL • CONTAINER

Table 347: EntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	not applicable	not applicable	String	<p>Type of entities on which the validations are applicable.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER <p>Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code>:</p> <ul style="list-style-type: none"> • HOST • POOL • CONTAINER

Response



Response Parameters

Table 348: EntityReferences

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityReference	0	*	EntityReference	All types of entities such as services, host, or pool, that are shared in one process and all steps can access them. This parameter is mandatory for method <code>getValidationResults</code> .

Table 349: EntityReference

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	EntityType	Type of entities on which the validations are applicable. Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code> : <ul style="list-style-type: none"> • HOST • POOL • CONTAINER

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationFilters	0	1	ValidationShortNamesCollection	Collection of validation IDs used to filter the validation results.

Table 350: ValidationShortNamesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationShortName	0	*	String	Short name of the validation as displayed on the User Interface in English.

Table 351: EntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	not applicable	not applicable	String	Type of entities on which the validations are applicable. Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code> : <ul style="list-style-type: none"> • HOST • POOL • CONTAINER

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:queryEntitiesByIdResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <EntityReference>
        <EntityType>POOL</EntityType>
        <EntityId>1</EntityId>
      </EntityReference>
    </ns2:queryEntitiesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Operation Functions \[page 194\]](#)

Related Information

[autoselectComputerSystem \[page 195\]](#)

[executeOperation \[page 202\]](#)

[getOperationProcessStatus \[page 209\]](#)

[clearNotes \[page 211\]](#)

[changePassword \[page 215\]](#)

[getValidations \[page 220\]](#)

[getValidationResults \[page 224\]](#)

[getProcessDetails \[page 234\]](#)

[getProcessesOfState \[page 249\]](#)

[getProcessStepLog \[page 264\]](#)

[retryProcess \[page 269\]](#)

[holdProcess \[page 272\]](#)

[releaseProcess \[page 276\]](#)

[respondToProcessStep \[page 279\]](#)

[cancelProcess \[page 284\]](#)

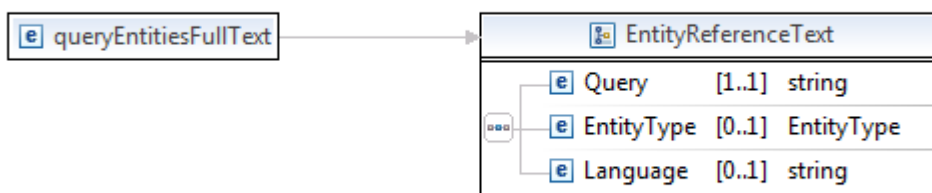
[queryEntitiesFullText \[page 294\]](#)

[getRKSConfigurationsData \[page 301\]](#)

2.2.4.1.17 queryEntitiesFullText

This method searches for various entity properties available in your landscape.

Request



Request Parameters

Table 352: EntityReferenceText

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Query	1	1	String	Search query to search for various entity properties available in your landscape. For an overview of search operators that you can use, search for Search Operators and Wildcards within the Application Help .

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	0	1	EntityType	<p>Type of entities on which the validations are applicable.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER <p>Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code>:</p> <ul style="list-style-type: none"> • HOST • POOL • CONTAINER
Language	0	1	String	Optional lowercase two-letter ISO-639 code, the default language is English.

Table 353: EntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	not applicable	not applicable	String	<p>Type of entities on which the validations are applicable.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER <p>Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code>:</p> <ul style="list-style-type: none"> • HOST • POOL • CONTAINER

Response



Response Parameters

Table 354: EntityReferences

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityReference	0	*	EntityReference	All types of entities such as services, host, or pool, that are shared in one process and all steps can access them. This parameter is mandatory for method <code>getValidationResults</code> .

Table 355: EntityReference

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	EntityType	Type of entities on which the validations are applicable. Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code> : <ul style="list-style-type: none"> • HOST • POOL • CONTAINER

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationFilters	0	1	ValidationShortNamesCollection	Collection of validation IDs used to filter the validation results.

Table 356: ValidationShortNamesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationShortName	0	*	String	Short name of the validation as displayed on the User Interface in English.

Table 357: EntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	not applicable	not applicable	String	Type of entities on which the validations are applicable. Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code> : <ul style="list-style-type: none"> • HOST • POOL • CONTAINER

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:queryEntitiesResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <EntityReference>
        <EntityType>POOL</EntityType>
        <EntityId>4</EntityId>
      </EntityReference>
    </ns2:queryEntitiesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Operation Functions \[page 194\]](#)

Related Information

[autoselectComputerSystem \[page 195\]](#)

[executeOperation \[page 202\]](#)

[getOperationProcessStatus \[page 209\]](#)

[clearNotes \[page 211\]](#)

[changePassword \[page 215\]](#)

[getValidations \[page 220\]](#)

[getValidationResults \[page 224\]](#)

[getProcessDetails \[page 234\]](#)

[getProcessesOfState \[page 249\]](#)

[getProcessStepLog \[page 264\]](#)

[retryProcess \[page 269\]](#)

[holdProcess \[page 272\]](#)

[releaseProcess \[page 276\]](#)

[respondToProcessStep \[page 279\]](#)

[cancelProcess \[page 284\]](#)

[queryEntitiesById \[page 287\]](#)

[getRKSConfigurationsData \[page 301\]](#)

2.2.4.1.18 getRKSConfigurationsData

This method retrieves all rolling kernel switch (RKS) configurations created for a system.

Request



Request Parameters

Table 358: GetRKSConfigurationsDataRequestType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
pSystemServiceID	1	1	String	System ID

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getRKSConfigurationsDataRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <pSystemServiceID>SystemID.G00.SystemHost.simdbg00</pSystemServiceID>
    </yql:getRKSConfigurationsDataRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 359: GetRKSConfigurationsDataResponseType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
RKSConfigurationData	0	*	RKSConfigurationDataType	Collection of the RKS configuration data.

Table 360: RKSConfigurationDataType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ConfigurationID	1	1	String	ID of the configuration.
KernelRelease	1	1	String	The release version of the kernel: <version>-<patch>-<build>

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getRKSConfigurationsDataResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <RKSConfigurationData>
        <ConfigurationID>RKS742LINUX</ConfigurationID>
        <KernelRelease>742-17-0000</KernelRelease>
      </RKSConfigurationData>
    </ns2:getRKSConfigurationsDataResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Operation Functions \[page 194\]](#)

Related Information

[autoselectComputerSystem \[page 195\]](#)

[executeOperation \[page 202\]](#)

[getOperationProcessStatus \[page 209\]](#)

[clearNotes \[page 211\]](#)

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[getValidations \[page 220\]](#)

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[queryEntitiesById \[page 287\]](#)
[queryEntitiesFullText \[page 294\]](#)

2.2.4.2 Pool Functions

Methods to access all or specific pool information which is available in SAP Landscape Management. Also the details of the services and computer systems configured to the pool are retrieved.

[getAllPoolData \[page 304\]](#)

This method retrieves details of all pool information configured and available in SAP Landscape Management. Pool data also gives information about the instances and the hosts which are configured under this pool.

[getPoolData \[page 309\]](#)

This method retrieves details of the pool information for all the collection of pool IDs mentioned in the input. Pool ID is the UUID and a unique identifier of pools. Pool data also gives information about the instances and the hosts which are configured under this pool.

Parent topic: [Control Methods \[page 193\]](#)

Related Information

[Operation Functions \[page 194\]](#)
[Service Functions \[page 315\]](#)
[Computer System Functions \[page 338\]](#)
[Template Functions \[page 359\]](#)
[Operation Template Functions \[page 385\]](#)
[Custom Process Functions \[page 404\]](#)
[Custom Property Functions \[page 432\]](#)
[Custom Relation Functions \[page 450\]](#)

2.2.4.2.1 getAllPoolData

This method retrieves details of all pool information configured and available in SAP Landscape Management. Pool data also gives information about the instances and the hosts which are configured under this pool.

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:getAllPoolData xmlns:yq1="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 361: PoolDataCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolData	0	*	PoolData	Collection of pool data information.

Table 362: PoolData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	1	1	PoolId	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>
Name	1	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
Description	0	1	String	Description for the entity.
ReferencingSystemServiceIds	1	1	ServiceIdInfoCollection	List of services which are configured under this pool.
ReferencingHostnames	1	1	HostnameCollection	List of resources which are configured under this pool.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 363: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> and method <code>updatePoolConfig</code>.</p>

Table 364: ServiceIdInfoCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceIdInfos	0	*	ServiceIdInfo	Contains a collection of service ID information.

Table 365: ServiceIdInfo

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	1	1	ServiceId	Unique identifier for the service.
ServiceType	1	1	ServiceType	<p>Service type which identifies the type of service. Possible values:</p> <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceIdProperties	1	1	PropertyCollection	Name, value pairs where the values for keys like SystemId, SystemHost, SystemType etc. are set.
SldCimSystemCreationClassName	0	1	String	Refers to the SystemCreationClassName for this service in SLD.
SldCimSystemName	0	1	String	Refers to the CIM System Name for this service in SLD.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 366: ServiceId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	not applicable	not applicable	String	Unique identifier for the service.

Table 367: ServiceType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	not applicable	not applicable	String	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate

Table 368: HostNameCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostnames	0	*	Hostname	Host names This parameter is mandatory for method <code>getComputerSystemConfigs</code> and method <code>getComputerSystemData</code> .

Table 369: Hostname

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	not applicable	not applicable	String	Host name

Table 370: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 371: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
Value	0	1	String	Value for the corresponding Name property.

Parent topic: [Pool Functions \[page 303\]](#)

Related Information

[getPoolData \[page 309\]](#)

2.2.4.2.2 getPoolData

This method retrieves details of the pool information for all the collection of pool IDs mentioned in the input. Pool ID is the UUID and a unique identifier of pools. Pool data also gives information about the instances and the hosts which are configured under this pool.

Request



Request Parameters

Table 372: PoolIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolIds	0	*	PoolId	Collection of pool IDs. This parameter is mandatory for method <code>getPoolConfigs</code> and method <code>getPoolData</code> .

Table 373: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>

Request Example

 **Sample Code**

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getPoolData xmlns:yql="http://xml.sap.com/2007/07/acc">
      <PoolIds>3</PoolIds>
    </yql:getPoolData>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 374: PoolDataCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolData	0	*	PoolData	Collection of pool data information.

Table 375: PoolData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	1	1	PoolId	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code>.</p>
Name	1	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
Description	0	1	String	Description for the entity.
ReferencingSystemServiceIds	1	1	ServiceIdInfoCollection	List of services which are configured under this pool.
ReferencingHostnames	1	1	HostnameCollection	List of resources which are configured under this pool.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 376: PoolId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
PoolId	0	1	String	<p>UUID identifier of the pool.</p> <p>This parameter is not required for method <code>addPoolConfig</code>.</p> <p>This parameter is mandatory for method <code>deletePoolConfig</code> and method <code>updatePoolConfig</code>.</p>

Table 377: ServiceIdInfoCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceIdInfos	0	*	ServiceIdInfo	Contains a collection of service ID information.

Table 378: ServiceIdInfo

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	1	1	ServiceId	Unique identifier for the service.
ServiceType	1	1	ServiceType	<p>Service type which identifies the type of service. Possible values:</p> <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceIdProperties	1	1	PropertyCollection	Name, value pairs where the values for keys like SystemId, SystemHost, SystemType etc. are set.
SldCimSystemCreationClassName	0	1	String	Refers to the SystemCreationClassName for this service in SLD.
SldCimSystemName	0	1	String	Refers to the CIM System Name for this service in SLD.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 379: ServiceId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	not applicable	not applicable	String	Unique identifier for the service.

Table 380: ServiceType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	not applicable	not applicable	String	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate

Table 381: HostNameCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostnames	0	*	Hostname	Host names This parameter is mandatory for method <code>getComputerSystemConfigs</code> and method <code>getComputerSystemData</code> .

Table 382: Hostname

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	not applicable	not applicable	String	Host name

Table 383: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 384: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • <code>addNetworkConfig</code> • <code>addPoolConfig</code> • <code>updateNetworkConfig</code> • <code>updatePoolConfig</code>
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getPoolDataResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <PoolData>
        <PoolId>3</PoolId>
        <Name>Unassigned</Name>
        <Description>Unassigned migration</Description>
        <ReferencingSystemServiceIds/>
        <ReferencingHostnames>
          <Hostnames>acvml19</Hostnames>
        </ReferencingHostnames>
      </PoolData>
    </ns2:getPoolDataResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Pool Functions \[page 303\]](#)

Related Information

[getAllPoolData \[page 304\]](#)

2.2.4.3 Service Functions

Methods to retrieve details of systems or instances.

[getAllSystemServiceIds \[page 316\]](#)

This method retrieves details of all the systems available in SAP Landscape Management along with some property information such as system ID, or system type.

[getAllSystemServiceData \[page 320\]](#)

This method retrieves details of all system-related information configured and available.

[getServiceData \[page 324\]](#)

This method retrieves details of the instance for the service ID collection specified in the input data.

[getServiceDataForSystem \[page 332\]](#)

This method retrieves details of the input system along with full context information of the system and its children. The method returns a collection of service data, the system details and its children details.

Parent topic: [Control Methods \[page 193\]](#)

Related Information

[Operation Functions \[page 194\]](#)

[Pool Functions \[page 303\]](#)

[Computer System Functions \[page 338\]](#)

[Template Functions \[page 359\]](#)

[Operation Template Functions \[page 385\]](#)

[Custom Process Functions \[page 404\]](#)

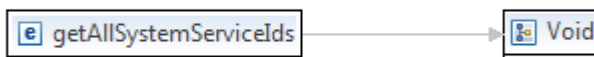
[Custom Property Functions \[page 432\]](#)

[Custom Relation Functions \[page 450\]](#)

2.2.4.3.1 getAllSystemServiceIds

This method retrieves details of all the systems available in SAP Landscape Management along with some property information such as system ID, or system type.

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:getAllSystemServiceIds xmlns:yq1="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 385: ServiceIdInfoCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceIdInfos	0	*	ServiceIdInfo	Contains a collection of service ID information.

Table 386: ServiceIdInfo

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	1	1	ServiceId	Unique identifier for the service.
ServiceType	1	1	ServiceType	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate
ServiceIdProperties	1	1	PropertyCollection	Name, value pairs where the values for keys like SystemId, SystemHost, SystemType etc. are set.
SldCimSystemCreationClassName	0	1	String	Refers to the SystemCreationClassName for this service in SLD.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SldCimSystemName	0	1	String	Refers to the CIM System Name for this service in SLD.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 387: ServiceId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	not applicable	not applicable	String	Unique identifier for the service.

Table 388: ServiceType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	not applicable	not applicable	String	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate

Table 389: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 390: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getAllSystemServiceIdsResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">
      <ServiceIdInfos>
        <ServiceId>SystemID.Z00.SystemHost.simdbz00</ServiceId>
        <ServiceType>System</ServiceType>
        <ServiceIdProperties>
          <Properties>
            <Name>SystemID</Name>
            <Value>Z00</Value>
          </Properties>
          <Properties>
            <Name>SystemHost</Name>
            <Value>simdbz00</Value>
          </Properties>
        </ServiceIdProperties>
      </ServiceIdInfos>
      <ServiceIdInfos>
        <ServiceId>SystemID.X01.SystemHost.simdbx01</ServiceId>
        <ServiceType>System</ServiceType>
        <ServiceIdProperties>
          <Properties>
            <Name>SystemID</Name>
            <Value>X01</Value>
          </Properties>
          <Properties>
            <Name>SystemHost</Name>
```

```
<Value>simdbx01</Value>
  </Properties>
</ServiceIdProperties>
</ServiceIdInfos>
</ns2:getAllSystemServiceIdsResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Service Functions \[page 315\]](#)

Related Information

[getAllSystemServiceData \[page 320\]](#)

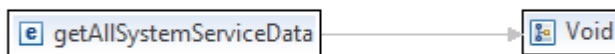
[getServiceData \[page 324\]](#)

[getServiceDataForSystem \[page 332\]](#)

2.2.4.3.2 getAllSystemServiceData

This method retrieves details of all system-related information configured and available.

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
```

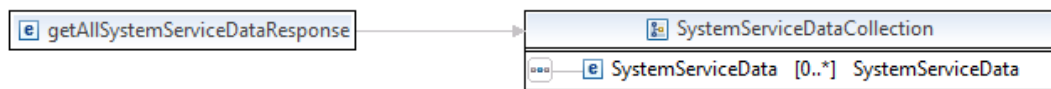


```

<SOAP-ENV:Body>
  <yql:getAllSystemServiceData xmlns:yql="http://xml.sap.com/2007/07/acc"/>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Response



Response Parameters

Table 391: SystemServiceDataCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemServiceData	0	*	SystemServiceData	Collection of details of root system configuration objects.

Table 392: SystemServiceData extends AbstractServiceAggregateData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
SystemHost	1	1	String	System host of the service.
SystemType	1	1	String	System type of the service.

Response Example

Sample Code

XML

```

<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getAllSystemServiceDataResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">

```

```

<SystemServiceData>
  <ServiceId>SystemID.Z00.SystemHost.simdbz00</ServiceId>
  <ServiceType>System</ServiceType>
  <ComponentType>System/Abap</ComponentType>
  <Release>7.03</Release>
  <Caption>Z00 on simdbz00</Caption>
  <PoolId>2</PoolId>
  <State>running</State>
  <ChildrenServiceIdCollection>
    <ServiceIdInfos>
      <ServiceId>SystemID.Z00.Number.00.InstanceHost.simciz00</ServiceId>
      <ServiceType>SAPInstance</ServiceType>
      <ServiceIdProperties>
        <Properties>
          <Name>SystemID</Name>
          <Value>Z00</Value>
        </Properties>
        <Properties>
          <Name>Number</Name>
          <Value>00</Value>
        </Properties>
        <Properties>
          <Name>InstanceHost</Name>
          <Value>simciz00</Value>
        </Properties>
      </ServiceIdProperties>
    </ServiceIdInfos>
    <ServiceIdInfos>
      <ServiceId>SystemID.Z00.SystemHost.simdbz00.SetType.Set_Database</
ServiceId>
      <ServiceType>HomogenousAggregate</ServiceType>
      <ServiceIdProperties>
        <Properties>
          <Name>SystemID</Name>
          <Value>Z00</Value>
        </Properties>
        <Properties>
          <Name>SystemHost</Name>
          <Value>simdbz00</Value>
        </Properties>
        <Properties>
          <Name>SetType</Name>
          <Value>Set_Database</Value>
        </Properties>
      </ServiceIdProperties>
    </ServiceIdInfos>
    <ServiceIdInfos>
      <ServiceId>SystemID.Z00.SystemHost.simdbz00.SetType.Set_Database.DbTier.PrimaryTier1</ServiceId>
      <ServiceType>HomogenousAggregate</ServiceType>
      <ServiceIdProperties>
        <Properties>
          <Name>SystemID</Name>
          <Value>Z00</Value>
        </Properties>
        <Properties>
          <Name>SystemHost</Name>
          <Value>simdbz00</Value>
        </Properties>
        <Properties>
          <Name>SetType</Name>
          <Value>Set_Database.DbTier.PrimaryTier1</Value>
        </Properties>
      </ServiceIdProperties>
    </ServiceIdInfos>
  </ServiceIdInfos>

```

```

<ServiceId>SystemID.Z00.SystemHost.simdbz00.SetType.Set_Application_Server</
ServiceId>
  <ServiceType>HomogenousAggregate</ServiceType>
  <ServiceIdProperties>
    <Properties>
      <Name>SystemID</Name>
      <Value>Z00</Value>
    </Properties>
    <Properties>
      <Name>SystemHost</Name>
      <Value>simdbz00</Value>
    </Properties>
    <Properties>
      <Name>SetType</Name>
      <Value>Set_Application_Server</Value>
    </Properties>
  </ServiceIdProperties>
</ServiceIdInfos>
</ChildrenServiceIdCollection>
<AlertCollection/>
<NoteCollection/>
<SystemId>Z00</SystemId>
<SystemHost>simdbz00</SystemHost>
<SystemType>SYSTEM_TYPE_NOT_APPLICABLE</SystemType>
</SystemServiceData>
</ns2:getAllSystemServiceDataResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Service Functions \[page 315\]](#)

Related Information

[getAllSystemServiceIds \[page 316\]](#)

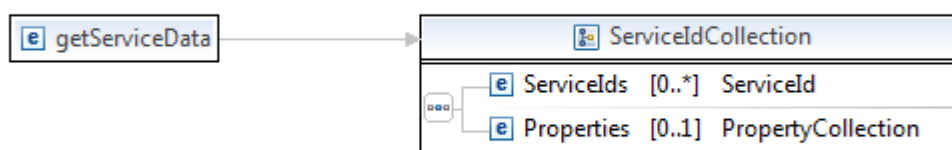
[getServiceData \[page 324\]](#)

[getServiceDataForSystem \[page 332\]](#)

2.2.4.3.3 getServiceData

This method retrieves details of the instance for the service ID collection specified in the input data.

Request



Request Parameters

Table 393: ServiceIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceIds	0	*	ServiceId	Collection of ServiceIds. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • autoselectComputerSystem • clearNotes • getServiceData
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 394: ServiceId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	not applicable	not applicable	String	Unique identifier for the service.

Table 395: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 396: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getServiceData xmlns:yql="http://xml.sap.com/2007/07/acc">
      <ServiceIds>SystemID.Z00.SystemHost.simdbz00</ServiceIds>
    </yql:getServiceData>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 397: ServiceDataCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceData	0	*	ServiceData	Collection of ServiceData objects.

Table 398: ServiceData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	1	1	ServiceType	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate
ServiceTypeSpecificContent	1	1	ServiceTypeSpecificData	Service type content contains one of the entries depending on the service type of the service.

Table 399: ServiceType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	not applicable	not applicable	String	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate

Table 400: ServiceTypeSpecificData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SAPInstanceServiceData	0	1	SAPInstanceServiceData	If the service type is "SAPInstance", there is a corresponding SAPInstanceServiceData and other 3 properties are null.
DatabaseServiceData	0	1	DatabaseServiceData	If the service type is Database, there is a corresponding DatabaseServiceData and other 3 properties are null.
SystemServiceData	0	1	SystemServiceData	If the service type is 'System', there is a corresponding SystemServiceData and other 3 properties are null.
HomogenousAggregateServiceData	0	1	HomogenousAggregateServiceData	If the service type is HomogenousAggregate, there is a corresponding HomogenousAggregateServiceData and other 3 properties are null.

Table 401: SAPInstanceServiceData extends AbstractServiceElementData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
InstanceNumber	1	1	String	Instance number of the service.
InstanceHost	1	1	String	Instance host of the service.

Table 402: DatabaseServiceData extends AbstractServiceElementData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
DbHost	1	1	String	Indicates the database host of the service.
DbType	1	1	String	Indicates the database type of the service. For example: <ul style="list-style-type: none"> • SAP • ADA • DB2 • DB4 • DB6 • INF • ORA • MSS
DbName	1	1	String	Indicates the database name of the service.
DbUsage	1	1	String	Indicates the database usage of the service. For example: <ul style="list-style-type: none"> • ABAP • Java • Doublestack • LiveCache

Table 403: SystemServiceData extends AbstractServiceAggregateData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
SystemHost	1	1	String	System host of the service.
SystemType	1	1	String	System type of the service.

Table 404: HomogenousAggregateServiceData extends AbstractServiceAggregateConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
SystemHost	1	1	String	System host of the service.
SystemType	1	1	String	System type of the service.
ComponentTypeOfAggregatedServices	1	1	String	Denotes what type of aggregated instances is grouped under this service. <div style="background-color: #fff9c4; padding: 5px;"> <p> Example</p> <p>2EEEngineCluster/CentralServiceInstanceSet – Grouping of CI instances of a J2EE system</p> </div>

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getServiceDataResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <ServiceData>
        <ServiceType>System</ServiceType>
        <ServiceTypeSpecificContent>
          <SystemServiceData>
            <ServiceId>SystemID.Z00.SystemHost.simdbz00</ServiceId>
            <ServiceType>System</ServiceType>
          </SystemServiceData>
        </ServiceTypeSpecificContent>
      </ServiceData>
    </ns2:getServiceDataResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```

<ComponentType>System/Abap</ComponentType>
<Release>7.03</Release>
<Caption>Z00 on simdbz00</Caption>
<PoolId>2</PoolId>
<State>running</State>
<ChildrenServiceIdCollection>
  <ServiceIdInfos>
    <ServiceId>SystemID.Z00.Number.00.InstanceHost.simciz00</
ServiceId>
    <ServiceType>SAPInstance</ServiceType>
    <ServiceIdProperties>
      <Properties>
        <Name>SystemID</Name>
        <Value>Z00</Value>
      </Properties>
      <Properties>
        <Name>Number</Name>
        <Value>00</Value>
      </Properties>
      <Properties>
        <Name>InstanceHost</Name>
        <Value>simciz00</Value>
      </Properties>
    </ServiceIdProperties>
  </ServiceIdInfos>
  <ServiceIdInfos>
    <ServiceId>SystemID.Z00.SystemHost.simdbz00.SetType.Set_Database</
ServiceId>
    <ServiceType>HomogenousAggregate</ServiceType>
    <ServiceIdProperties>
      <Properties>
        <Name>SystemID</Name>
        <Value>Z00</Value>
      </Properties>
      <Properties>
        <Name>SystemHost</Name>
        <Value>simdbz00</Value>
      </Properties>
      <Properties>
        <Name>SetType</Name>
        <Value>Set_Database</Value>
      </Properties>
    </ServiceIdProperties>
  </ServiceIdInfos>
  <ServiceIdInfos>
    <ServiceId>SystemID.Z00.SystemHost.simdbz00.SetType.Set_Database.DbTier.PrimaryTier1</ServiceId>
    <ServiceType>HomogenousAggregate</ServiceType>
    <ServiceIdProperties>
      <Properties>
        <Name>SystemID</Name>
        <Value>Z00</Value>
      </Properties>
      <Properties>
        <Name>SystemHost</Name>
        <Value>simdbz00</Value>
      </Properties>
      <Properties>
        <Name>SetType</Name>
        <Value>Set_Database.DbTier.PrimaryTier1</Value>
      </Properties>
    </ServiceIdProperties>
  </ServiceIdInfos>
  <ServiceIdInfos>
    <ServiceId>SystemID.Z00.SystemHost.simdbz00.SetType.Set_Application_Server</
ServiceId>

```

```

<ServiceType>HomogenousAggregate</ServiceType>
<ServiceIdProperties>
  <Properties>
    <Name>SystemID</Name>
    <Value>Z00</Value>
  </Properties>
  <Properties>
    <Name>SystemHost</Name>
    <Value>simdbz00</Value>
  </Properties>
  <Properties>
    <Name>SetType</Name>
    <Value>Set_Application_Server</Value>
  </Properties>
</ServiceIdProperties>
</ServiceIdInfos>
</ChildrenServiceIdCollection>
<AlertCollection/>
<NoteCollection/>
<SystemId>Z00</SystemId>
<SystemHost>simdbz00</SystemHost>
<SystemType>SYSTEM_TYPE_NOT_APPLICABLE</SystemType>
</SystemServiceData>
</ServiceTypeSpecificContent>
</ServiceData>
</ns2:getServiceDataResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Service Functions \[page 315\]](#)

Related Information

[getAllSystemServiceIds \[page 316\]](#)

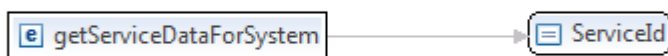
[getAllSystemServiceData \[page 320\]](#)

[getServiceDataForSystem \[page 332\]](#)

2.2.4.3.4 getServiceDataForSystem

This method retrieves details of the input system along with full context information of the system and its children. The method returns a collection of service data, the system details and its children details.

Request



Request Parameters

Table 405: ServiceId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	not applicable	not applicable	String	Unique identifier for the service.

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getServiceDataForSystem xmlns:yql="http://xml.sap.com/2007/07/
acc">SystemID.Z00.SystemHost.simdbz00</yql:getServiceDataForSystem>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 406: ServiceDataCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceData	0	*	ServiceData	Collection of ServiceData objects.

Table 407: ServiceData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	1	1	ServiceType	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate
ServiceTypeSpecificContent	1	1	ServiceTypeSpecificData	Service type content contains one of the entries depending on the service type of the service.

Table 408: ServiceType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	not applicable	not applicable	String	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate

Table 409: ServiceTypeSpecificData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SAPInstanceServiceData	0	1	SAPInstanceServiceData	If the service type is "SAPInstance", there is a corresponding SAPInstanceServiceData and other 3 properties are null.
DatabaseServiceData	0	1	DatabaseServiceData	If the service type is Database, there is a corresponding DatabaseServiceData and other 3 properties are null.
SystemServiceData	0	1	SystemServiceData	If the service type is 'System', there is a corresponding SystemServiceData and other 3 properties are null.
HomogenousAggregateServiceData	0	1	HomogenousAggregateServiceData	If the service type is HomogenousAggregate, there is a corresponding HomogenousAggregateServiceData and other 3 properties are null.

Table 410: SAPInstanceServiceData extends AbstractServiceElementData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
InstanceNumber	1	1	String	Instance number of the service.
InstanceHost	1	1	String	Instance host of the service.

Table 411: DatabaseServiceData extends AbstractServiceElementData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
DbHost	1	1	String	Indicates the database host of the service.
DbType	1	1	String	Indicates the database type of the service. For example: <ul style="list-style-type: none"> • SAP • ADA • DB2 • DB4 • DB6 • INF • ORA • MSS
DbName	1	1	String	Indicates the database name of the service.
DbUsage	1	1	String	Indicates the database usage of the service. For example: <ul style="list-style-type: none"> • ABAP • Java • Doublestack • LiveCache

Table 412: SystemServiceData extends AbstractServiceAggregateData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
SystemHost	1	1	String	System host of the service.
SystemType	1	1	String	System type of the service.

Table 413: HomogenousAggregateServiceData extends AbstractServiceAggregateConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SystemId	1	1	String	Indicates the system ID of the service.
SystemHost	1	1	String	System host of the service.
SystemType	1	1	String	System type of the service.
ComponentTypeOfAggregatedServices	1	1	String	Denotes what type of aggregated instances is grouped under this service. <div style="background-color: #fff9c4; padding: 5px;"> <p> Example</p> <p>2EEEngineCluster/CentralServiceInstanceSet – Grouping of CI instances of a J2EE system</p> </div>

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getServiceDataForSystemResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">
      <ServiceData>
        <ServiceType>SAPInstance</ServiceType>
        <ServiceTypeSpecificContent>
          <SAPInstanceServiceData>
            <ServiceId>SystemID.Z00.Number.00.InstanceHost.simciz00</ServiceId>
```



```

        <ServiceType>SAPInstance</ServiceType>
        <ComponentType>Instance_Central_Application_Server/ABAP</
ComponentType>
        <Release>741-42-10000</Release>
        <Caption>Central Instance 00 of Z00 on simciz00</Caption>
        <PoolId>2</PoolId>
        <State>running</State>
        <ACEnabled>>true</ACEnabled>
        <Hostname>simpf00-vr-0</Hostname>
        <LastUsedComputerSystem>simpf00-vr-0</LastUsedComputerSystem>
        <SystemId>Z00</SystemId>
        <InstanceNumber>00</InstanceNumber>
        <InstanceHost>simciz00</InstanceHost>
        </SAPInstanceServiceData>
    </ServiceTypeSpecificContent>
</ServiceData>
<ServiceData>
    <ServiceType>HomogenousAggregate</ServiceType>
    <ServiceTypeSpecificContent>
        <HomogenousAggregateServiceData>
            <ServiceId>SystemID.Z00.SystemHost.simdbz00.Set_Database</
ServiceId>
            <ServiceType>HomogenousAggregate</ServiceType>
            <ComponentType>Set_Database/None</ComponentType>
            <Caption>Databases</Caption>
            <Description/>
            <PoolId>2</PoolId>
            <State>running</State>
            <ChildrenServiceIdCollection>
                <ServiceIdInfos>
                    <ServiceId>DatabaseName.Z00.DatabaseType.ORA.DatabaseHost.simdbz00</ServiceId>
                    <ServiceType>Database</ServiceType>
                    <ServiceIdProperties>
                        <Properties>
                            <Name>DatabaseName</Name>
                            <Value>Z00</Value>
                        </Properties>
                        <Properties>
                            <Name>DatabaseHost</Name>
                            <Value>simdbz00</Value>
                        </Properties>
                        <Properties>
                            <Name>DatabaseType</Name>
                            <Value>ORA</Value>
                        </Properties>
                    </ServiceIdProperties>
                </ServiceIdInfos>
            </ChildrenServiceIdCollection>
            <AlertCollection/>
            <NoteCollection/>
            <SystemId>Z00</SystemId>
            <SystemHost>simdbz00</SystemHost>
            <SystemType>SYSTEM_TYPE_NOT_APPLICABLE</SystemType>
            <ComponentTypeOfAggregatedServices>Set_Database</
ComponentTypeOfAggregatedServices>
        </HomogenousAggregateServiceData>
    </ServiceTypeSpecificContent>
</ServiceData>
<ServiceData>
    <ServiceType>Database</ServiceType>
    <ServiceTypeSpecificContent>
        <DatabaseServiceData>
            <ServiceId>DatabaseName.Z00.DatabaseType.ORA.DatabaseHost.simdbz00</
ServiceId>
            <ServiceType>Database</ServiceType>
            <ComponentType>Instance_System_DB/ABAP</ComponentType>
            <Release>11.2</Release>

```

```

    <Caption>DatabaseInstance for Z00 on simdbz00</Caption>
    <PoolId>2</PoolId>
    <State>running</State>
    <ACEnabled>>true</ACEnabled>
    <Hostname>simpf00-vr-17</Hostname>
    <LastUsedComputerSystem>simpf00-vr-17</LastUsedComputerSystem>
    <SystemId>Z00</SystemId>
    <DbHost>simdbz00</DbHost>
    <DbType>ORA</DbType>
    <DbName>Z00</DbName>
    <DbUsage/>
  </DatabaseServiceData>
</ServiceTypeSpecificContent>
</ServiceData>
...
</ns2:getServiceDataForSystemResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Service Functions \[page 315\]](#)

Related Information

[getAllSystemServiceIds \[page 316\]](#)

[getAllSystemServiceData \[page 320\]](#)

[getServiceData \[page 324\]](#)

2.2.4.4 Computer System Functions

Methods to access all or specific resource information which is available in SAP Landscape Management.

[getAllComputerSystemData \[page 339\]](#)

This method retrieves details of all computer systems configured and available in SAP Landscape Management .

[getComputerSystemData \[page 348\]](#)

This method retrieves details of computer systems along with complete information for all host names specified in the input data.

[getAdapterVersion \[page 356\]](#)

This method retrieves the adapter version.

Parent topic: [Control Methods \[page 193\]](#)

Related Information

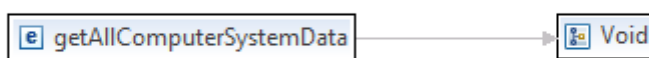
[Operation Functions \[page 194\]](#)

- [Pool Functions \[page 303\]](#)
- [Service Functions \[page 315\]](#)
- [Template Functions \[page 359\]](#)
- [Operation Template Functions \[page 385\]](#)
- [Custom Process Functions \[page 404\]](#)
- [Custom Property Functions \[page 432\]](#)
- [Custom Relation Functions \[page 450\]](#)

2.2.4.4.1 getAllComputerSystemData

This method retrieves details of all computer systems configured and available in SAP Landscape Management .

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getAllComputerSystemData xmlns:yql="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response




Response Parameters

Table 414: ComputerSystemDataCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ComputerSystemData	0	*	ComputerSystemData	Collection of computer system data objects.

Table 415: ComputerSystemData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	1	1	Hostname	Host name
Available	1	1	Boolean	Set to true if the computer system is available.
ACEnabled	1	1	Boolean	Possible values: <ul style="list-style-type: none"> • true Service is adaptive enabled • false Traditional service is not adaptive enabled

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ACOperational	1	1	Boolean	Possible values: <ul style="list-style-type: none"> • true Computer system is active/operational in SAP Landscape Management. • false Computer system is not active/operational in SAP Landscape Management.
IPAddress	0	1	String	IP address of the computer system.
CPUArchitecture	0	1	String	CPU architecture of the computer system.
CPUCount	0	1	Integer	CPU count of the computer system.
CPUClockRate	0	1	Integer	CPU clock rate of the computer system.
OS	0	1	String	Type of the operating system of the resource. <div style="background-color: #fff9c4; padding: 5px; margin-top: 10px;">  Example Linux </div>
OSRelease	0	1	String	Operating system release of the computer system.
OSAddressSpace	0	1	Integer	Operating system's address space of the computer system.
CPUUtilization	0	1	Integer	CPU utilization of the computer system.
Memory	0	1	Integer	Physical RAM memory recommended for the service.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
MemoryAvailable	0	1	Integer	Memory available from the computer system.
MemoryUtilization	0	1	Integer	Memory utilization of the computer system.
SAPS	0	1	Integer	SAPS recommended for the service.
SAPSAvailable	0	1	Integer	SAPS available of the computer system.
AssignedServices	0	1	ServiceIdInfoCollection	Collection of currently running or assigned services for this computer system.
PoolId	0	1	String	UUID identifier of the pool. This parameter is not required for method <code>addPoolConfig</code> . This parameter is mandatory for method <code>deletePoolConfig2</code> and method <code>updatePoolConfig</code> .
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 416: ServiceIdInfoCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceIdInfos	0	*	ServiceIdInfo	Contains a collection of service ID information.

Table 417: ServiceIdInfo

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	1	1	ServiceId	Unique identifier for the service.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	1	1	ServiceType	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate
ServiceIdProperties	1	1	PropertyCollection	Name, value pairs where the values for keys like SystemId, SystemHost, SystemType etc. are set.
SldCimSystemCreationClassName	0	1	String	Refers to the SystemCreationClassName for this service in SLD.
SldCimSystemName	0	1	String	Refers to the CIM System Name for this service in SLD.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 418: ServiceId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	not applicable	not applicable	String	Unique identifier for the service.

Table 419: ServiceType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	not applicable	not applicable	String	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate

Table 420: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 421: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
```



```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getAllComputerSystemDataResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">
      <ComputerSystemData>
        <Hostname>acvml19</Hostname>
        <Available>true</Available>
        <ACEnabled>>false</ACEnabled>
        <ACOperational>>false</ACOperational>
        <IPAddress/>
        <CPUCount>2</CPUCount>
        <CPUClockRate>2500</CPUClockRate>
        <OSAddressSpace>32</OSAddressSpace>
        <CPUUtilization>46</CPUUtilization>
        <Memory>8192</Memory>
        <MemoryAvailable>7782</MemoryAvailable>
        <MemoryUtilization>5</MemoryUtilization>
        <SAPS>0</SAPS>
        <SAPSAvailable>0</SAPSAvailable>
        <AssignedServices/>
        <PoolId>3</PoolId>
      </ComputerSystemData>
      <ComputerSystemData>
        <Hostname>simcs000</Hostname>
        <Available>true</Available>
        <ACEnabled>true</ACEnabled>
        <ACOperational>true</ACOperational>
        <IPAddress/>
        <CPUArchitecture>X86_64</CPUArchitecture>
        <CPUCount>2</CPUCount>
        <CPUClockRate>2500</CPUClockRate>
        <OS>Linux</OS>
        <OSRelease>SLES 10</OSRelease>
        <OSAddressSpace>64</OSAddressSpace>
        <CPUUtilization>44</CPUUtilization>
        <Memory>8192</Memory>
        <MemoryAvailable>7782</MemoryAvailable>
        <MemoryUtilization>5</MemoryUtilization>
        <SAPS>1000</SAPS>
        <SAPSAvailable>300</SAPSAvailable>
        <AssignedServices>
          <ServiceIdInfos>
            <ServiceId>SystemID.S01.Number.00.InstanceHost.vhcis01</ServiceId>
            <ServiceType>SAPInstance</ServiceType>
            <ServiceIdProperties>
              <Properties>
                <Name>SystemID</Name>
                <Value>S01</Value>
              </Properties>
              <Properties>
                <Name>Number</Name>
                <Value>00</Value>
              </Properties>
              <Properties>
                <Name>InstanceHost</Name>
                <Value>vhcis01</Value>
              </Properties>
            </ServiceIdProperties>
          </ServiceIdInfos>
          <ServiceIdInfos>
            <ServiceId>SystemID.S01.Number.02.InstanceHost.vherss01</ServiceId>
            <ServiceType>SAPInstance</ServiceType>
            <ServiceIdProperties>
              <Properties>
                <Name>SystemID</Name>
                <Value>S01</Value>
              </Properties>
            </ServiceIdProperties>
          </ServiceIdInfos>
        </AssignedServices>
      </ComputerSystemData>
    </ns2:getAllComputerSystemDataResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```

    </Properties>
    <Properties>
      <Name>Number</Name>
      <Value>02</Value>
    </Properties>
    <Properties>
      <Name>InstanceHost</Name>
      <Value>vherss01</Value>
    </Properties>
  </ServiceIdInfos>
</ServiceIdInfos>
<ServiceIdInfos>
  <ServiceId>SystemID.S01.Number.10.InstanceHost.vhas0s01</ServiceId>
  <ServiceType>SAPInstance</ServiceType>
  <ServiceIdProperties>
    <Properties>
      <Name>SystemID</Name>
      <Value>S01</Value>
    </Properties>
    <Properties>
      <Name>Number</Name>
      <Value>10</Value>
    </Properties>
    <Properties>
      <Name>InstanceHost</Name>
      <Value>vhas0s01</Value>
    </Properties>
  </ServiceIdProperties>
</ServiceIdInfos>
<ServiceIdInfos>
  <ServiceId>SystemID.S01.Number.11.InstanceHost.vhas1s01</ServiceId>
  <ServiceType>SAPInstance</ServiceType>
  <ServiceIdProperties>
    <Properties>
      <Name>SystemID</Name>
      <Value>S01</Value>
    </Properties>
    <Properties>
      <Name>Number</Name>
      <Value>11</Value>
    </Properties>
    <Properties>
      <Name>InstanceHost</Name>
      <Value>vhas1s01</Value>
    </Properties>
  </ServiceIdProperties>
</ServiceIdInfos>
<ServiceIdInfos>
  <ServiceId>SystemID.S01.Number.01.InstanceHost.vhcss01</ServiceId>
  <ServiceType>SAPInstance</ServiceType>
  <ServiceIdProperties>
    <Properties>
      <Name>SystemID</Name>
      <Value>S01</Value>
    </Properties>
    <Properties>
      <Name>Number</Name>
      <Value>01</Value>
    </Properties>
    <Properties>
      <Name>InstanceHost</Name>
      <Value>vhcss01</Value>
    </Properties>
  </ServiceIdProperties>
</ServiceIdInfos>
<ServiceIdInfos>
  <ServiceId>DatabaseName.S01.DatabaseType.SAP.DatabaseHost.vhdb01</
ServiceId>

```

```

    <ServiceType>Database</ServiceType>
    <ServiceIdProperties>
      <Properties>
        <Name>DatabaseName</Name>
        <Value>S01</Value>
      </Properties>
      <Properties>
        <Name>DatabaseHost</Name>
        <Value>vhdb01</Value>
      </Properties>
      <Properties>
        <Name>DatabaseType</Name>
        <Value>SAP</Value>
      </Properties>
    </ServiceIdProperties>
  </ServiceIdInfos>
  <ServiceIdInfos>
    <ServiceId>SystemID.S01.Number.03.InstanceHost.vhtrxs01</ServiceId>
    <ServiceType>SAPInstance</ServiceType>
    <ServiceIdProperties>
      <Properties>
        <Name>SystemID</Name>
        <Value>S01</Value>
      </Properties>
      <Properties>
        <Name>Number</Name>
        <Value>03</Value>
      </Properties>
      <Properties>
        <Name>InstanceHost</Name>
        <Value>vhtrxs01</Value>
      </Properties>
    </ServiceIdProperties>
  </ServiceIdInfos>
</AssignedServices>
<PoolId>2</PoolId>
</ComputerSystemData>
</ns2:getAllComputerSystemDataResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Computer System Functions \[page 338\]](#)

Related Information

[getComputerSystemData \[page 348\]](#)

[getAdapterVersion \[page 356\]](#)

2.2.4.4.2 getComputerSystemData

This method retrieves details of computer systems along with complete information for all host names specified in the input data.

Request



Request Parameters

Table 422: HostNameCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostnames	0	*	Hostname	Host names This parameter is mandatory for method <code>getComputerSystemConfigs</code> and method <code>getComputerSystemData</code> .

Table 423: Hostname

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	not applicable	not applicable	String	Host name

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
```

```

<yql:getComputerSystemData xmlns:yql="http://xml.sap.com/2007/07/acc">
  <Hostnames>simcs000</Hostnames>
</yql:getComputerSystemData>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Response




Response Parameters

Table 424: ComputerSystemDataCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ComputerSystemData	0	*	ComputerSystemData	Collection of computer system data objects.

Table 425: ComputerSystemData

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Hostname	1	1	Hostname	Host name
Available	1	1	Boolean	Set to true if the computer system is available.
ACEnabled	1	1	Boolean	Possible values: <ul style="list-style-type: none"> true Service is adaptive enabled false Traditional service is not adaptive enabled

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ACOperational	1	1	Boolean	Possible values: <ul style="list-style-type: none"> • true Computer system is active/operational in SAP Landscape Management. • false Computer system is not active/operational in SAP Landscape Management.
IPAddress	0	1	String	IP address of the computer system.
CPUArchitecture	0	1	String	CPU architecture of the computer system.
CPUCount	0	1	Integer	CPU count of the computer system.
CPUClockRate	0	1	Integer	CPU clock rate of the computer system.
OS	0	1	String	Type of the operating system of the resource. <div style="background-color: #fff9c4; padding: 5px; margin-top: 10px;">  Example Linux </div>
OSRelease	0	1	String	Operating system release of the computer system.
OSAddressSpace	0	1	Integer	Operating system's address space of the computer system.
CPUtilization	0	1	Integer	CPU utilization of the computer system.
Memory	0	1	Integer	Physical RAM memory recommended for the service.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
MemoryAvailable	0	1	Integer	Memory available from the computer system.
MemoryUtilization	0	1	Integer	Memory utilization of the computer system.
SAPS	0	1	Integer	SAPS recommended for the service.
SAPSAvailable	0	1	Integer	SAPS available of the computer system.
AssignedServices	0	1	ServiceIdInfoCollection	Collection of currently running or assigned services for this computer system.
PoolId	0	1	String	UUID identifier of the pool. This parameter is not required for method <code>addPoolConfig</code> . This parameter is mandatory for method <code>deletePoolConfig</code> 2 and method <code>updatePoolConfig</code> .
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 426: ServiceIdInfoCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceIdInfos	0	*	ServiceIdInfo	Contains a collection of service ID information.

Table 427: ServiceIdInfo

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	1	1	ServiceId	Unique identifier for the service.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	1	1	ServiceType	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate
ServiceIdProperties	1	1	PropertyCollection	Name, value pairs where the values for keys like SystemId, SystemHost, SystemType etc. are set.
SldCimSystemCreationClassName	0	1	String	Refers to the SystemCreationClassName for this service in SLD.
SldCimSystemName	0	1	String	Refers to the CIM System Name for this service in SLD.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 428: ServiceId

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceId	not applicable	not applicable	String	Unique identifier for the service.

Table 429: ServiceType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ServiceType	not applicable	not applicable	String	Service type which identifies the type of service. Possible values: <ul style="list-style-type: none"> • Database • SAPInstance • System • HomogenousAggregate

Table 430: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 431: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
```

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getComputerSystemDataResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <ComputerSystemData>
        <Hostname>simcs000</Hostname>
        <Available>true</Available>
        <ACEnabled>true</ACEnabled>
        <ACOperational>true</ACOperational>
        <IPAddress/>
        <CPUArchitecture>X86_64</CPUArchitecture>
        <CPUCount>2</CPUCount>
        <CPUClockRate>2500</CPUClockRate>
        <OS>Linux</OS>
        <OSRelease>SLES 10</OSRelease>
        <OSAddressSpace>64</OSAddressSpace>
        <CPUUtilization>46</CPUUtilization>
        <Memory>8192</Memory>
        <MemoryAvailable>7782</MemoryAvailable>
        <MemoryUtilization>5</MemoryUtilization>
        <SAPS>1000</SAPS>
        <SAPSAvailable>300</SAPSAvailable>
        <AssignedServices>
          <ServiceIdInfos>
            <ServiceId>SystemID.S01.Number.00.InstanceHost.vhcis01</ServiceId>
            <ServiceType>SAPInstance</ServiceType>
            <ServiceIdProperties>
              <Properties>
                <Name>SystemID</Name>
                <Value>S01</Value>
              </Properties>
              <Properties>
                <Name>Number</Name>
                <Value>00</Value>
              </Properties>
              <Properties>
                <Name>InstanceHost</Name>
                <Value>vhcis01</Value>
              </Properties>
            </ServiceIdProperties>
          </ServiceIdInfos>
          <ServiceIdInfos>
            <ServiceId>SystemID.S01.Number.02.InstanceHost.vherss01</ServiceId>
            <ServiceType>SAPInstance</ServiceType>
            <ServiceIdProperties>
              <Properties>
                <Name>SystemID</Name>
                <Value>S01</Value>
              </Properties>
              <Properties>
                <Name>Number</Name>
                <Value>02</Value>
              </Properties>
              <Properties>
                <Name>InstanceHost</Name>
                <Value>vherss01</Value>
              </Properties>
            </ServiceIdProperties>
          </ServiceIdInfos>
          <ServiceIdInfos>
            <ServiceId>SystemID.S01.Number.10.InstanceHost.vhas0s01</ServiceId>
            <ServiceType>SAPInstance</ServiceType>
            <ServiceIdProperties>
              <Properties>
                <Name>SystemID</Name>
                <Value>S01</Value>
              </Properties>
            </ServiceIdProperties>
          </ServiceIdInfos>
        </AssignedServices>
      </ComputerSystemData>
    </ns2:getComputerSystemDataResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

```

        <Properties>
          <Name>Number</Name>
          <Value>10</Value>
        </Properties>
        <Properties>
          <Name>InstanceHost</Name>
          <Value>vhas0s01</Value>
        </Properties>
      </ServiceIdProperties>
    </ServiceIdInfos>
  <ServiceIdInfos>
    <ServiceId>SystemID.S01.Number.11.InstanceHost.vhas1s01</ServiceId>
    <ServiceType>SAPInstance</ServiceType>
    <ServiceIdProperties>
      <Properties>
        <Name>SystemID</Name>
        <Value>S01</Value>
      </Properties>
      <Properties>
        <Name>Number</Name>
        <Value>11</Value>
      </Properties>
      <Properties>
        <Name>InstanceHost</Name>
        <Value>vhas1s01</Value>
      </Properties>
    </ServiceIdProperties>
  </ServiceIdInfos>
  <ServiceIdInfos>
    <ServiceId>SystemID.S01.Number.01.InstanceHost.vhcss01</ServiceId>
    <ServiceType>SAPInstance</ServiceType>
    <ServiceIdProperties>
      <Properties>
        <Name>SystemID</Name>
        <Value>S01</Value>
      </Properties>
      <Properties>
        <Name>Number</Name>
        <Value>01</Value>
      </Properties>
      <Properties>
        <Name>InstanceHost</Name>
        <Value>vhcss01</Value>
      </Properties>
    </ServiceIdProperties>
  </ServiceIdInfos>
  <ServiceIdInfos>
    <ServiceId>DatabaseName.S01.DatabaseType.SAP.DatabaseHost.vhdbs01</
ServiceId>
    <ServiceType>Database</ServiceType>
    <ServiceIdProperties>
      <Properties>
        <Name>DatabaseName</Name>
        <Value>S01</Value>
      </Properties>
      <Properties>
        <Name>DatabaseHost</Name>
        <Value>vhdbs01</Value>
      </Properties>
      <Properties>
        <Name>DatabaseType</Name>
        <Value>SAP</Value>
      </Properties>
    </ServiceIdProperties>
  </ServiceIdInfos>
  <ServiceIdInfos>
    <ServiceId>SystemID.S01.Number.03.InstanceHost.vhtrxs01</ServiceId>
    <ServiceType>SAPInstance</ServiceType>

```

```
<ServiceIdProperties>
  <Properties>
    <Name>SystemID</Name>
    <Value>S01</Value>
  </Properties>
  <Properties>
    <Name>Number</Name>
    <Value>03</Value>
  </Properties>
  <Properties>
    <Name>InstanceHost</Name>
    <Value>vhtrxs01</Value>
  </Properties>
</ServiceIdProperties>
</ServiceIdInfos>
</AssignedServices>
<PoolId>2</PoolId>
</ComputerSystemData>
</ns2:getComputerSystemDataResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Computer System Functions \[page 338\]](#)

Related Information

[getAllComputerSystemData \[page 339\]](#)

[getAdapterVersion \[page 356\]](#)

2.2.4.4.3 getAdapterVersion

This method retrieves the adapter version.

Request



Request Parameters

Void

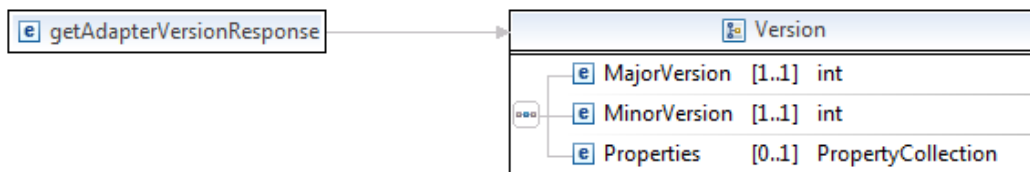
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getAdapterVersion xmlns:yql="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 432: Version

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
MajorVersion	1	1	Integer	Major version of currently used SAP Landscape Management software
MinorVersion	1	1	Integer	Minor version of currently used SAP Landscape Management software.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 433: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 434: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getAdapterVersionResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <MajorVersion>1</MajorVersion>
      <MinorVersion>0</MinorVersion>
    </ns2:getAdapterVersionResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Computer System Functions \[page 338\]](#)

Related Information

[getAllComputerSystemData \[page 339\]](#)

[getComputerSystemData \[page 348\]](#)

2.2.4.5 Template Functions

[listTemplates \[page 360\]](#)

This method lists the template IDs and template names stored in SAP Landscape Management.

[listTemplates2 \[page 362\]](#)

This method lists the template IDs and template names stored in SAP Landscape Management.

[listScheduledTemplates \[page 364\]](#)

This method lists all or specific defined scheduled templates based on operation or provisioning template IDs.

[deleteScheduledTemplate \[page 369\]](#)

This method deletes scheduled templates where the ID is provided as parameter.

[deleteTemplates \[page 371\]](#)

This method deletes templates using the corresponding template IDs.

[deleteTemplates2 \[page 373\]](#)

This method deletes templates using the corresponding template IDs.

[downloadTemplate \[page 376\]](#)

This method downloads a template based on the template ID.

[executeTemplate \[page 378\]](#)

This method executes templates in SAP Landscape Management using the template ID that is already stored in SAP Landscape Management.

[validateTemplate \[page 381\]](#)

This method validates an existing template using the template ID.

[validateTemplate2 \[page 382\]](#)

This method validates an existing template using the template ID.

Parent topic: [Control Methods \[page 193\]](#)

Related Information

[Operation Functions \[page 194\]](#)

[Pool Functions \[page 303\]](#)

[Service Functions \[page 315\]](#)

[Computer System Functions \[page 338\]](#)

[Operation Template Functions \[page 385\]](#)

[Custom Process Functions \[page 404\]](#)

[Custom Property Functions \[page 432\]](#)

[Custom Relation Functions \[page 450\]](#)

2.2.4.5.1 listTemplates

This method lists the template IDs and template names stored in SAP Landscape Management.

Request



Request Parameters

Void

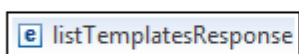
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:listTemplates xmlns:yq1="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

String

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
  <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:listTemplatesResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <TemplateList>
        <Template id="template-3843a56a-226c-11e2-c9e5-0000003282aa"
name="SystemCloneforQ1S"/>
        <Template id="template-9ee546da-236b-11e2-9885-0000003282aa"
name="SystemDestroyforQ1S"/>
      </TemplateList>
    </ns2:listTemplatesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Template Functions \[page 359\]](#)

Related Information

[listTemplates2 \[page 362\]](#)

[listScheduledTemplates \[page 364\]](#)

[deleteScheduledTemplate \[page 369\]](#)

[deleteTemplates \[page 371\]](#)

[deleteTemplates2 \[page 373\]](#)

[downloadTemplate \[page 376\]](#)

[executeTemplate \[page 378\]](#)

[validateTemplate \[page 381\]](#)

[validateTemplate2 \[page 382\]](#)

2.2.4.5.2 listTemplates2

This method lists the template IDs and template names stored in SAP Landscape Management.

Request



Request Parameters

Void

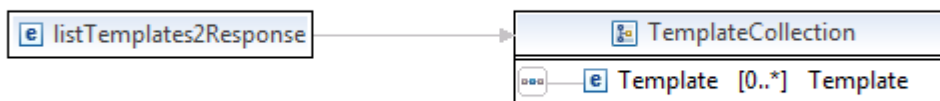
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:listTemplates2 xmlns:yq1="http://xml.sap.com/2007/07/acc"/>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 435: TemplateCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Template	0	*	Template	Template XML for specific process executed using SAP Landscape Management. Must be wrapped in CDATA section.

Table 436: Template

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
TemplateId	0	1	String	Template ID. Only one Template ID can be executed at a time.
Name	0	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none">• addNetworkConfig• addPoolConfig• updateNetworkConfig• updatePoolConfig

Parent topic: [Template Functions \[page 359\]](#)

Related Information

[listTemplates \[page 360\]](#)

[listScheduledTemplates \[page 364\]](#)

[deleteScheduledTemplate \[page 369\]](#)

[deleteTemplates \[page 371\]](#)

[deleteTemplates2 \[page 373\]](#)

[downloadTemplate \[page 376\]](#)

[executeTemplate \[page 378\]](#)
[validateTemplate \[page 381\]](#)
[validateTemplate2 \[page 382\]](#)

2.2.4.5.3 listScheduledTemplates

This method lists all or specific defined scheduled templates based on operation or provisioning template IDs.

Request



Request Parameters

Table 437: AllTemplatesIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
TemplateId	0	*	String	Template ID. Only one Template ID can be executed at a time.

Request Example

Sample Code

XML

```

<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <pns:listScheduledTemplatesRequest xmlns:pns="http://xml.sap.com/2007/07/acc">
      <TemplateId>d2cee847-68fd-11e6-87c1-000000970dba</TemplateId>
    </pns:listScheduledTemplatesRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
  
```

Response



Response Parameters

Table 438: ScheduledTemplatesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ScheduledTemplate	0	*	ScheduledTemplate	Collection of templates scheduled.

Table 439: ScheduledTemplate

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SchTemplateId	0	1	String	ID of the template scheduled.
TaskName	0	1	String	Name of the template.
DesignProcessId	0	1	String	ID of the provisioning or operation template that has been scheduled.
DesignProcessType	0	1	DesignProcessType	Type of the template that has been scheduled. Possible values: <ul style="list-style-type: none"> OPERATION PROVISIONING
Description	0	1	String	Description for the entity.
TaskUser	0	1	String	Template user

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
TaskStatus	0	1	ScheduledTaskStatus	Status of the template.
TaskEmailNotification	0	1	TaskNotification	Email notification if defined.
TaskCustomNotification	0	1	TaskNotification	Custom notification if defined.
CronEntry	0	1	String	The CRON entry for the task as a String.
StartDate	0	1	Long	Task start time in UNIX time (milliseconds).
EndDate	0	1	Long	Task end time in UNIX time (milliseconds).

Table 440: TaskNotification

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
enabled	0	1	Boolean	The ID of the template scheduled.
notificationId	0	1	String	Name of the template.
emailAddresses	0	*	String	Email addresses as string.
successful	0	1	Boolean	Flag if notification should be triggered on successful execution.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
failed	0	1	Boolean	Flag if notification should be triggered on failed execution.
warning	0	1	Boolean	Flag if notification should be triggered on warning execution.

Table 441: DesignProcessType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
DesignProcessType	not applicable	not applicable	String	Type of the template that has been scheduled. Possible values: <ul style="list-style-type: none"> OPERATION PROVISIONING

Table 442: ScheduledTaskStatus

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ScheduledTaskStatus	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> ACTIVE ON_HOLD INCONSISTENT EXPIRED

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:listScheduledTemplatesResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <ScheduledTemplate>
        <SchTemplateId>f5b75da0-84a8-11e6-a9a9-00000970dba</SchTemplateId>
        <TaskName>SchTemplate2</TaskName>
        <DesignProcessId>d2cee847-68fd-11e6-87c1-00000970dba</DesignProcessId>
        <DesignProcessType>OPERATION</DesignProcessType>
        <Description/>
        <TaskUser>deploy_service</TaskUser>
        <TaskStatus>ACTIVE</TaskStatus>
        <TaskEmailNotification>
          <enabled>true</enabled>
          <emailAddresses>xxx@xxxxxxx.xxx</emailAddresses>
          <successful>>false</successful>
          <failed>true</failed>
          <warning>>false</warning>
        </TaskEmailNotification>
      </ScheduledTemplate>
    </ns2:listScheduledTemplatesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```

</TaskEmailNotification>
<TaskCustomNotification>
  <enabled>false</enabled>
</TaskCustomNotification>
<CronEntry>*:*:*:*:14:22</CronEntry>
<StartDate>1474986120000</StartDate>
</ScheduledTemplate>
<ScheduledTemplate>
  <SchTemplateId>decc14f0-84a8-11e6-885f-000000970dba</SchTemplateId>
  <TaskName>SchTemplate1</TaskName>
  <DesignProcessId>d2cee847-68fd-11e6-87c1-000000970dba</DesignProcessId>
  <DesignProcessType>OPERATION</DesignProcessType>
  <Description/>
  <TaskUser>deploy_service</TaskUser>
  <TaskStatus>EXPIRED</TaskStatus>
  <TaskEmailNotification>
    <enabled>true</enabled>
    <emailAddresses> xxx@xxxxxxx.xxx </emailAddresses>
    <successful>true</successful>
    <failed>false</failed>
    <warning>true</warning>
  </TaskEmailNotification>
  <TaskCustomNotification>
    <enabled>false</enabled>
  </TaskCustomNotification>
  <CronEntry>2016:8:27:*:14:0</CronEntry>
  <StartDate>1474984800000</StartDate>
</ScheduledTemplate>
</ns2:listScheduledTemplatesResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Template Functions \[page 359\]](#)

Related Information

[listTemplates \[page 360\]](#)

[listTemplates2 \[page 362\]](#)

[deleteScheduledTemplate \[page 369\]](#)

[deleteTemplates \[page 371\]](#)

[deleteTemplates2 \[page 373\]](#)

[downloadTemplate \[page 376\]](#)

[executeTemplate \[page 378\]](#)

[validateTemplate \[page 381\]](#)

[validateTemplate2 \[page 382\]](#)

2.2.4.5.4 deleteScheduledTemplate

This method deletes scheduled templates where the ID is provided as parameter.

Request



Request Parameters

Table 443: DeleteScheduledTemplateRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
scheduledTemplateId	1	1	String	ID of the template scheduled.
changeId	0	1	String	This is used to pass the change ID if required.

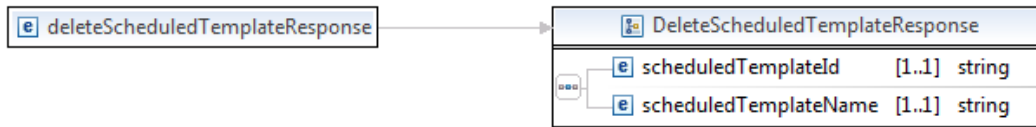
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:deleteScheduledTemplateRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <scheduledTemplateId>f5b75da0-84a8-11e6-a9a9-000000970dba</scheduledTemplateId>
      <changeId>MyChangeId</changeId>
    </yql:deleteScheduledTemplateRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 444: DeleteScheduledTemplateResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
scheduledTemplateId	1	1	String	ID of the template scheduled.
scheduledTemplateName	1	1	String	Name of the template scheduled.

Response Example

Sample Code

XML

```

<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:deleteScheduledTemplateResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <scheduledTemplateId>f5b75da0-84a8-11e6-a9a9-000000970dba</scheduledTemplateId>
      <scheduledTemplateName>SchTemplate2</scheduledTemplateName>
    </ns2:deleteScheduledTemplateResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
  
```

Parent topic: [Template Functions \[page 359\]](#)

Related Information

[listTemplates \[page 360\]](#)

[listTemplates2 \[page 362\]](#)

[listScheduledTemplates \[page 364\]](#)

[deleteTemplates \[page 371\]](#)

[deleteTemplates2 \[page 373\]](#)

[downloadTemplate \[page 376\]](#)

[executeTemplate \[page 378\]](#)

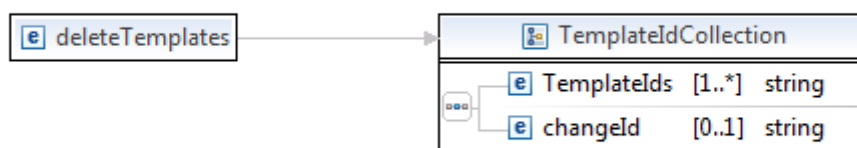
[validateTemplate \[page 381\]](#)

[validateTemplate2 \[page 382\]](#)

2.2.4.5.5 deleteTemplates

This method deletes templates using the corresponding template IDs.

Request



Request Parameters

Table 445: TemplateIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
TemplateIds	1	*	String	User can enter one or more template IDs at a time.
changeId	0	1	String	This is used to pass the change ID if required.

Request Example

Sample Code

XML


```
<?xml version="1.0" encoding="utf-8"?>
```

```

<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:deleteTemplates xmlns:yq1="http://xml.sap.com/2007/07/acc">
      <TemplateIds>template-3843a56a-226c-11e2-c9e5-0000003282aa</
TemplateIds>
    </yq1:deleteTemplates>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Response

 deleteTemplatesResponse

Response Parameters

String

Response Example

Sample Code

XML

```

<?xml version="1.0" encoding="utf-8"?>
  <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
    <SOAP-ENV:Body>
      <ns2:deleteTemplatesResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
        <TemplateList>
          <DeletionSuccess>
            <template id="template-3843a56a-226c-11e2-c9e5-0000003282aa"/>
          </DeletionSuccess>
          <DeletionFailure/>
        </TemplateList>
      </ns2:deleteTemplatesResponse>
    </SOAP-ENV:Body>
  </SOAP-ENV:Envelope>

```

Parent topic: [Template Functions \[page 359\]](#)

Related Information

[listTemplates \[page 360\]](#)

[listTemplates2 \[page 362\]](#)

[listScheduledTemplates \[page 364\]](#)

[deleteScheduledTemplate \[page 369\]](#)

[deleteTemplates2 \[page 373\]](#)

[downloadTemplate \[page 376\]](#)

[executeTemplate \[page 378\]](#)

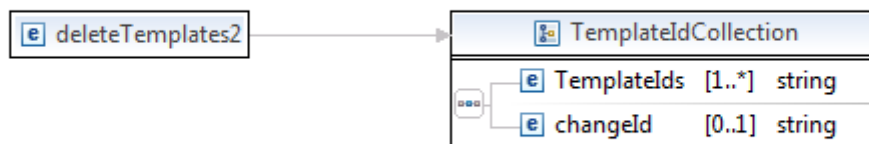
[validateTemplate \[page 381\]](#)

[validateTemplate2 \[page 382\]](#)

2.2.4.5.6 deleteTemplates2

This method deletes templates using the corresponding template IDs.

Request



Request Parameters

Table 446: TemplateIdCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
TemplateIds	1	*	String	User can enter one or more template IDs at a time.
changeId	0	1	String	This is used to pass the change ID if required.

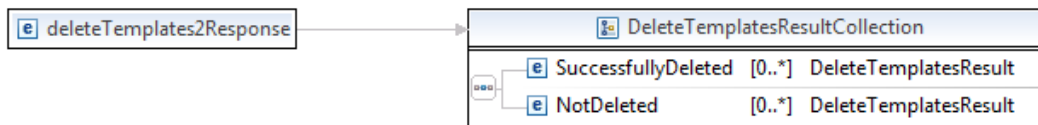
Request Example

Sample Code

XML

```
</SOAP-ENV:Envelope>
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:deleteTemplates2 xmlns:yq1="http://xml.sap.com/2007/07/acc">
      <TemplateIds>template-3843a56a-226c-11e2-c9e5-000003282aa</TemplateIds>
    </yq1:deleteTemplates2>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 447: DeleteTemplatesResultCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SuccessfullyDeleted	0	*	DeleteTemplatesResult	Successfully deleted.
NotDeleted	0	*	DeleteTemplatesResult	Not deleted.

Table 448: DeleteTemplatesResult

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Status	0	1	String	Status
TemplateId	0	1	String	Template ID. Only one Template ID can be executed at a time.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	0	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
DeleteError	0	1	DeleteError	Error code and description.

Table 449: DeleteError

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ErrorCode	0	1	String	Error code
ErrorText	0	1	String	Error message text

Parent topic: [Template Functions \[page 359\]](#)

Related Information

[listTemplates \[page 360\]](#)

[listTemplates2 \[page 362\]](#)

[listScheduledTemplates \[page 364\]](#)

[deleteScheduledTemplate \[page 369\]](#)

[deleteTemplates \[page 371\]](#)

[downloadTemplate \[page 376\]](#)

[executeTemplate \[page 378\]](#)

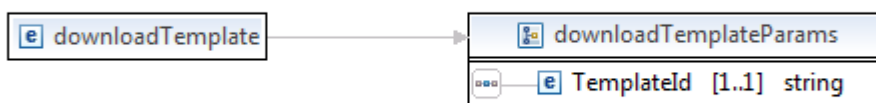
[validateTemplate \[page 381\]](#)

[validateTemplate2 \[page 382\]](#)

2.2.4.5.7 downloadTemplate

This method downloads a template based on the template ID.

Request



Request Parameters

Table 450: downloadTemplateParams

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
TemplateId	1	1	String	Template ID. Only one Template ID can be executed at a time.


Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:downloadTemplate xmlns:yq1="http://xml.sap.com/2007/07/acc">
      <TemplateId>template-3843a56a-226c-11e2-c9e5-000003282aa</TemplateId>
    </yq1:downloadTemplate>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 [downloadTemplateResponse](#)

Response Parameters

String

Parent topic: [Template Functions \[page 359\]](#)

Related Information

[listTemplates \[page 360\]](#)

[listTemplates2 \[page 362\]](#)

[listScheduledTemplates \[page 364\]](#)

[deleteScheduledTemplate \[page 369\]](#)

[deleteTemplates \[page 371\]](#)

[deleteTemplates2 \[page 373\]](#)

[executeTemplate \[page 378\]](#)

[validateTemplate \[page 381\]](#)

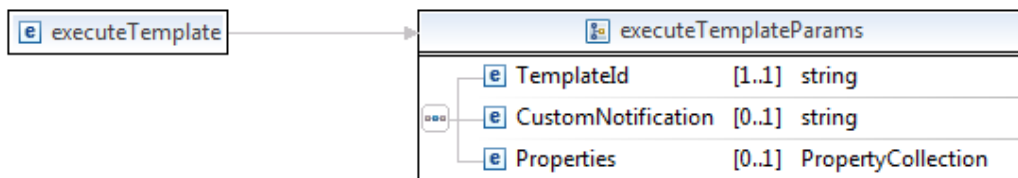
[validateTemplate2 \[page 382\]](#)

[SAP Note 1792415 - SAP Landscape Management 2.x, Enterprise Edition - External Interfaces](#) 

2.2.4.5.8 executeTemplate

This method executes templates in SAP Landscape Management using the template ID that is already stored in SAP Landscape Management.

Request



Request Parameters

Table 451: executeTemplateParams

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
TemplateId	1	1	String	Template ID. Only one Template ID can be executed at a time.
CustomNotification	0	1	String	Custom notification name. Based on the partner requirement you can create a web service based custom notification. A custom notification in XML format is received as an automatic response.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 452: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 453: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.


Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:executeTemplate xmlns:yql="http://xml.sap.com/2007/07/acc">
      <TemplateId>template-3843a56a-226c-11e2-c9e5-000003282aa</TemplateId>
    </yql:executeTemplate>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 executeTemplateResponse

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:executeTemplateResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">process-28aed80f-5af3-11e5-9f4e-000000665ce2</ns2:executeTemplateResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Template Functions \[page 359\]](#)

Related Information

[listTemplates \[page 360\]](#)

[listTemplates2 \[page 362\]](#)

[listScheduledTemplates \[page 364\]](#)

[deleteScheduledTemplate \[page 369\]](#)

[deleteTemplates \[page 371\]](#)

[deleteTemplates2 \[page 373\]](#)

[downloadTemplate \[page 376\]](#)

[validateTemplate \[page 381\]](#)

[validateTemplate2 \[page 382\]](#)

[SAP Note 1792415 - SAP Landscape Management 2.x, Enterprise Edition - External Interfaces](#)

2.2.4.5.9 validateTemplate

This method validates an existing template using the template ID.

Request



Request Parameters

Table 454: validateTemplateParams

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
TemplateId	1	1	String	Template ID. Only one Template ID can be executed at a time.

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:validateTemplate xmlns:yql="http://xml.sap.com/2007/07/acc">
      <TemplateId>template-3843a56a-226c-11e2-c9e5-000003282aa</TemplateId>
    </yql:validateTemplate>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response

 validateTemplateResponse

Response Parameters

String

Parent topic: [Template Functions \[page 359\]](#)

Related Information

[listTemplates \[page 360\]](#)

[listTemplates2 \[page 362\]](#)

[listScheduledTemplates \[page 364\]](#)

[deleteScheduledTemplate \[page 369\]](#)

[deleteTemplates \[page 371\]](#)

[deleteTemplates2 \[page 373\]](#)

[downloadTemplate \[page 376\]](#)

[executeTemplate \[page 378\]](#)

[validateTemplate2 \[page 382\]](#)

2.2.4.5.10 validateTemplate2

This method validates an existing template using the template ID.

Request



Request Parameters

Table 455: validateTemplateParams

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
TemplateId	1	1	String	Template ID. Only one Template ID can be executed at a time.

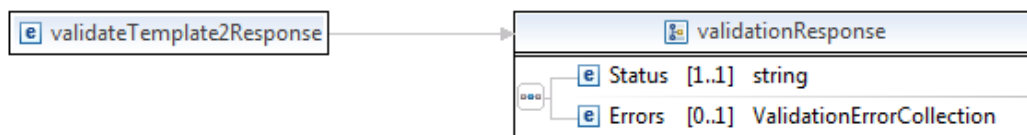
Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:validateTemplate2 xmlns:yql="http://xml.sap.com/2007/07/acc">
      <TemplateId>template-3843a56a-226c-11e2-c9e5-000003282aa</TemplateId>
    </yql:validateTemplate2>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 456: validationResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Status	1	1	String	Status
Errors	0	1	ValidationErrorCollection	Errors

Table 457: ValidationErrorCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Error	0	*	ValidationError	Error

Table 458: ValidationError

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	0	1	String	Type of entities on which the validations are applicable. Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code> : <ul style="list-style-type: none"> • HOST • POOL • CONTAINER
EntityName	0	1	String	Entity name
TemplatePropertyId	0	1	String	Template property ID
TemplatePropertyName	0	1	String	Template property name
Message	0	1	String	Detailed message.

Parent topic: [Template Functions \[page 359\]](#)

Related Information

[listTemplates \[page 360\]](#)
[listTemplates2 \[page 362\]](#)
[listScheduledTemplates \[page 364\]](#)
[deleteScheduledTemplate \[page 369\]](#)
[deleteTemplates \[page 371\]](#)
[deleteTemplates2 \[page 373\]](#)
[downloadTemplate \[page 376\]](#)
[executeTemplate \[page 378\]](#)
[validateTemplate \[page 381\]](#)

2.2.4.6 Operation Template Functions

Methods to retrieve details of operation templates, delete, or execute operation templates.

[listOperationTemplates \[page 386\]](#)

This method lists all operation templates.

[getOperationTemplateDetails \[page 388\]](#)

This method retrieves information about the operation template specified by its ID.

[deleteOperationTemplate \[page 395\]](#)

This method deletes an operation template specified by its ID.

[executeOperationTemplate \[page 398\]](#)

This method executes an operation template specified by ID over an entity specified by ID.

Parent topic: [Control Methods \[page 193\]](#)

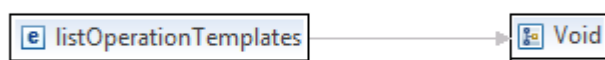
Related Information

[Operation Functions \[page 194\]](#)
[Pool Functions \[page 303\]](#)
[Service Functions \[page 315\]](#)
[Computer System Functions \[page 338\]](#)
[Template Functions \[page 359\]](#)
[Custom Process Functions \[page 404\]](#)
[Custom Property Functions \[page 432\]](#)
[Custom Relation Functions \[page 450\]](#)

2.2.4.6.1 listOperationTemplates

This method lists all operation templates.

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:acc="http://xml.sap.com/2007/07/acc">
  <soapenv:Header/>
  <soapenv:Body>
    <acc: listOperationTemplates/>
  </soapenv:Body>
</soapenv:Envelope>
```

Response



Response Parameters

Table 459: OperationTemplateCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
OperationTemplate	0	*	OperationTemplate	Collection of operation templates.

Table 460: OperationTemplate

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
id	0	1	String	ID of the operation template.
name	0	1	String	Name of the operation template.
stepCount	0	1	Integer	Step count of the operation template.
taskCount	0	1	Integer	Scheduled task count of the operation template.

Response Example

Sample Code

XML

```
<SOAP-ENV:Envelope xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:listOperationTemplatesResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <OperationTemplate>
        <id>aea18d36-8a32-11e6-8881-000000970dba</id>
        <name>OperationTemaplte1</name>
        <stepCount>1</stepCount>
        <taskCount>0</taskCount>
      </OperationTemplate>
      <OperationTemplate>
        <id>afg15d36-8a32-11e6-8881-000450970dba</id>
        <name>OperationTemaplte2</name>
        <stepCount>4</stepCount>
        <taskCount>2</taskCount>
      </OperationTemplate>
    </ns2:listOperationTemplatesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Operation Template Functions \[page 385\]](#)

Related Information

[getOperationTemplateDetails \[page 388\]](#)

[deleteOperationTemplate \[page 395\]](#)

[executeOperationTemplate \[page 398\]](#)

2.2.4.6.2 getOperationTemplateDetails

This method retrieves information about the operation template specified by its ID.

Request



Request Parameters

Table 461: OperationTemplateDetailsRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
OperationTemplateId	1	1	String	ID of the operation template.

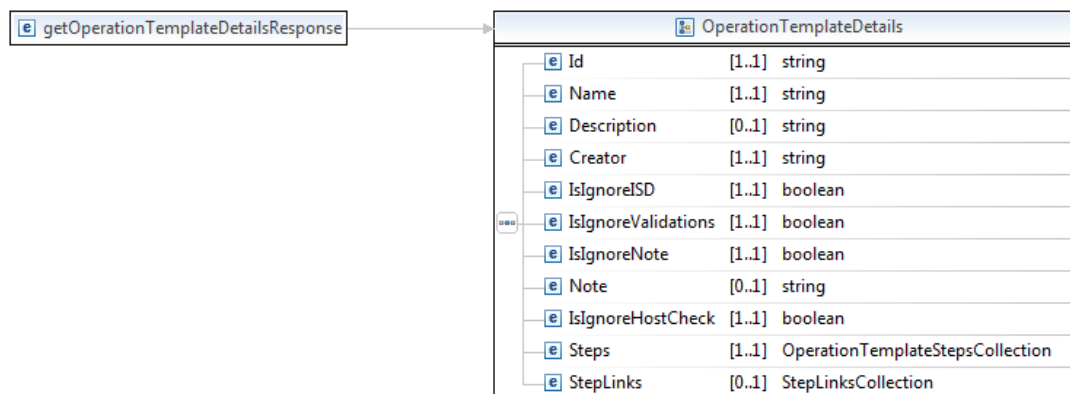
Request Example

Sample Code

XML

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:acc="http://xml.sap.com/2007/07/acc">
  <soapenv:Header/>
  <soapenv:Body>
    <acc:getOperationTemplateDetails>
      <OperationTemplateId>6ba50d5b-893e-11e6-c328-000000970dba</
OperationTemplateId>
    </acc:getOperationTemplateDetails>
  </soapenv:Body>
</soapenv:Envelope>
```

Response



Response Parameters

Table 462: OperationTemplateDetails

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Id	1	1	String	ID of the custom process or the operation template.
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Description	0	1	String	Description for the entity.
Creator	0	1	String	Name of the user who created the operation template.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
IsIgnoreISD	1	1	Boolean	Indicates if intersystem dependencies are checked or not.
IsIgnoreValidations	1	1	Boolean	Indicates if validations are ignored or not.
IsIgnoreNote	1	1	Boolean	Indicates if notes are ignored or not.
Note	0	1	String	Notes For method <code>getOperationTemplateDetails</code> , the note of the operation template (concatenated note from all entities).
IsIgnoreHostCheck	1	1	Boolean	Indicates if the host is checked or not.
Steps	1	1	OperationTemplateStepsCollection	Collection of steps which represent a operation that will be executed.
StepLinks	0	1	StepLinksCollection	Collection of step links which represent the edges of the graph of the custom process.

Table 463: OperationTemplateStepsCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Step	0	*	OperationTemplateStep	Collection of custom process or operation template steps.

Table 464: OperationTemplateStep

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
StepId	1	1	Integer	Unique identifier of a step in concrete process.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
OperationId	1	1	String	Unique identifier for the operation.
OperationName	1	1	String	Name of operation.
Entities	1	1	EntitiesCollection	Collection of resolved entities.
OperationParameters	0	1	OperationParametersCollection	Collection of operation parameters

Table 465: EntitiesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Entity	0	*	Entity	SAP Landscape Management entity.

Table 466: Entity

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	1	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> • In combination with AccountType SIDADM. • In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 10px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> • In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
				For all other scenarios you must specify the EntityId.
EntityParameters	0	1	PropertyCollection	Entity parameters

Table 467: StepLinksCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
StepLink	0	*	StepLink	Collection of constraints.

Table 468: StepLink

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SourceStepId	1	1	Integer	ID of a source step.
TargetStepId	1	1	Integer	ID of a target step.

Table 469: OperationParametersCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
OperationParameter	0	*	ExecutionParameter	Collection of operation parameters.

Table 470: ExecutionParameter

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	<p>Name of the entity.</p> <p>This parameter is mandatory for the following methods:</p> <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Values	1	1	ExecutionParameterValuesCollection	Collection of values.

Table 471: ExecutionParameterValuesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Value	1	*	String	Value for the corresponding Name property.

Response Example

Sample Code

XML

```
<SOAP-ENV:Envelope xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getOperationTemplateDetailsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <Id>aea18d36-8a32-11e6-8881-000000970dba</Id>
      <Name>OperationTemaplteTest</Name>
      <Creator>Administrator</Creator>
      <IsIgnoreISD>>false</IsIgnoreISD>
      <IsIgnoreValidations>>false</IsIgnoreValidations>
      <IsIgnoreNote>>false</IsIgnoreNote>
      <IsIgnoreHostCheck>>false</IsIgnoreHostCheck>
      <Steps>
        <Step>
          <StepId>1</StepId>
          <OperationId>restart</OperationId>
          <OperationName>restart</OperationName>
          <Entities>
            <Entity>
              <EntityId>SystemID.BWP.Number.10.InstanceHost.sapas0bwp.example.com</EntityId>
              <EntityParameters/>
            </Entity>
          </Entities>
          <OperationParameters>
            <OperationParameter>
              <Name>OPERATION_VALIDITY</Name>
              <Values>
                <Value>MANDATORY</Value>
              </Values>
            </OperationParameter>
          </OperationParameters>
        </Step>
      </Steps>
      <StepLinks/>
    </ns2:getOperationTemplateDetailsResponse>
  </SOAP-ENV:Body></SOAP-ENV:Envelope>
```

Parent topic: [Operation Template Functions \[page 385\]](#)

Related Information

[listOperationTemplates \[page 386\]](#)

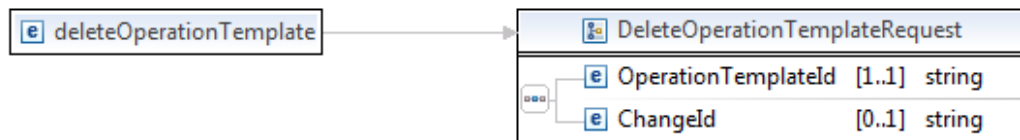
[deleteOperationTemplate \[page 395\]](#)

[executeOperationTemplate \[page 398\]](#)

2.2.4.6.3 deleteOperationTemplate

This method deletes an operation template specified by its ID.

Request



Request Parameters

Table 472: DeleteOperationTemplateRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
OperationTemplateId	1	1	String	ID of the operation template.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ChangeId	0	1	String	<ul style="list-style-type: none"> Identifies changes performed from outside. ChangeID used to track the entity with the ID CustomProcessesId. ChangeID used to track the entity with the ID OperationTemplateId.

Request Example

Sample Code

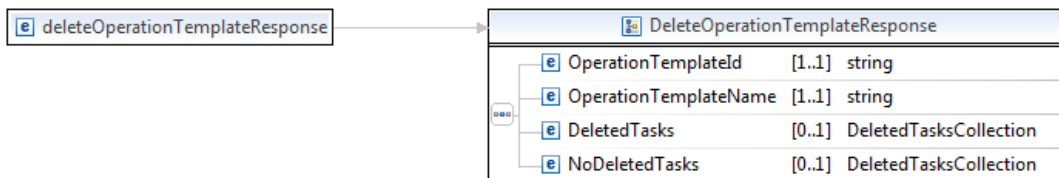
XML

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:acc="http://xml.sap.com/2007/07/acc">
  <soapenv:Header/>
  <soapenv:Body>
    <acc:deleteOperationTemplate>
      <OperationTemplateId>f6c3e0fe-870c-11e6-b385-000000970dba</
OperationTemplateId>
      <ChangeId>2</ChangeId> <!--Optional:-->
    </acc:deleteOperationTemplate>
  </soapenv:Body>
</soapenv:Envelope>

```

Response



Response Parameters

Table 473: DeleteOperationTemplateResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
OperationTemplateId	1	1	String	ID of the operation template.
OperationTemplateName	1	1	String	Name of the operation template.
DeletedTasks	0	1	DeletedTasksCollection	Collection of deleted scheduled tasks for the operation template selected.
NoDeletedTasks	0	1	DeletedTasksCollection	Collection of scheduled tasks that are not successfully deleted.

Table 474: DeletedTasksCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Task	0	*	DeletedTask	Task information.

Table 475: DeletedTask

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
TaskId	1	1	String	Unique identifier of a task.
TaskName	1	1	String	Name of the template.

Response Example

Sample Code

XML

```
<SOAP-ENV:Envelope xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:deleteOperationTemplateResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <OperationTemplateId>aea18d36-8a32-11e6-8881-000000970dba</OperationTemplateId>
      <OperationTemplateName>OperationTemaplteTest</OperationTemplateName>
      <DeletedTasks/>
    </ns2:deleteOperationTemplateResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Operation Template Functions \[page 385\]](#)

Related Information

[listOperationTemplates \[page 386\]](#)

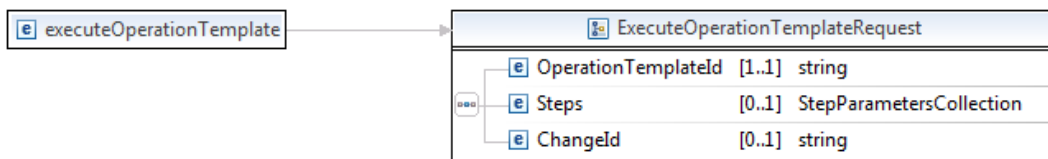
[getOperationTemplateDetails \[page 388\]](#)

[executeOperationTemplate \[page 398\]](#)

2.2.4.6.4 executeOperationTemplate

This method executes an operation template specified by ID over an entity specified by ID.

Request



Request Parameters

Table 476: ExecuteOperationTemplateRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
OperationTemplateId	1	1	String	ID of the operation template.
Steps	0	1	StepParametersCollection	Collection of steps which represent a operation that will be executed.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ChangeId	0	1	String	<ul style="list-style-type: none"> Identifies changes performed from outside. ChangeID used to track the entity with the ID CustomProcessesId. ChangeID used to track the entity with the ID OperationTemplateId.

Table 477: StepParametersCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Step	0	*	StepParameter	Collection of custom process or operation template steps.

Table 478: StepParameter

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
StepId	1	1	Integer	Unique identifier of a step in concrete process.
Entities	0	1	EntitiesCollection	Collection of resolved entities.
OperationParameters	0	1	OperationParametersCollection	Collection of operation parameters

Table 479: EntitiesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Entity	0	*	Entity	SAP Landscape Management entity.

Table 480: Entity

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	1	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 10px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
				For all other scenarios you must specify the EntityId.
EntityParameters	0	1	PropertyCollection	Entity parameters

Table 481: OperationParametersCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
OperationParameter	0	*	ExecutionParameter	Collection of operation parameters.

Table 482: ExecutionParameter

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Values	1	1	ExecutionParameterValuesCollection	Collection of values.

Table 483: ExecutionParameterValuesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Value	1	*	String	Value for the corresponding Name property.

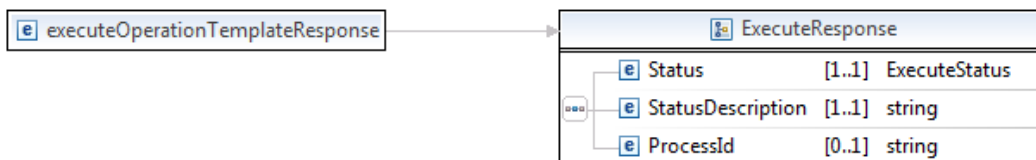
Request Example

Sample Code

XML

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:acc="http://xml.sap.com/2007/07/acc">
  <soapenv:Header/>
  <soapenv:Body>
    <acc:executeOperationTemplate>
      < OperationTemplateId>aea18d36-8a32-11e6-8881-000000970dba</
OperationTemplateId>
      <Steps>
        <Step> <!--One or more repetitions:-->
          <StepId>1</StepId>
          <Entities>
            <Entity> <!--One or more repetitions:-->
              <EntityId>SystemID.BWP.Number.
10.InstanceHost.sapas0bwp.example.com</EntityId>
              <EntityParameters> <!--Optional:-->
                <Properties> <!--Zero or more repetitions:-->
                  <Name>hostname</Name>
                  <Value>develop-vm-01</Value> <!--Optional:-->
                </Properties>
              </EntityParameters>
            </Entity>
          </Entities>
          <OperationParameters> <!--Optional:-->
            <OperationParameter> <!--Zero or more repetitions:-->
              <Name>timeout</Name>
              <Values> <!--Optional:-->
                <Value>300</Value> <!--Zero or more repetitions:-->
              </Values>
            </OperationParameter>
          </OperationParameters>
        </Step>
      </Steps>
      <ChangeId>EXEC_CUST_PRC</ChangeId> <!--Optional:-->
    </acc:executeOperationTemplate >
  </soapenv:Body>
</soapenv:Envelope>
```

Response



Response Parameters

Table 484: ExecuteResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Status	1	1	ExecuteStatus	Status
StatusDescription	1	1	String	Detailed description of the status of the execution launch.
ProcessId	0	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.

Table 485: ExecuteStatus

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ExecuteStatus	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • SUCCESS • WARNING • ERROR

Response Example

Sample Code

XML

```
<SOAP-ENV:Envelope xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:executeOperationTemplateResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <Status>SUCCESS</Status><!-- can be SUCCESS, WARNING or ERROR -->
      <StatusDescription>Operation template executed successfully.</StatusDescription>
      <ProcessId>process-c0ac9839-8a3a-11e6-b06b-000000970dba</ProcessId>
    </ns2:executeOperationTemplateResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Operation Template Functions \[page 385\]](#)

Related Information

[listOperationTemplates \[page 386\]](#)

[getOperationTemplateDetails \[page 388\]](#)

[deleteOperationTemplate \[page 395\]](#)

2.2.4.7 Custom Process Functions

Methods to retrieve details of custom processes, delete, or execute custom processes.

[listCustomProcesses \[page 405\]](#)

This method lists all custom processes.

[getCustomProcessDetails \[page 407\]](#)

This method retrieves extended information about a custom process specified by its ID.

[deleteCustomProcesses \[page 413\]](#)

This method deletes a custom process specified by its ID.

[resolveCustomProcess \[page 415\]](#)

This method tries to resolve a custom process specified by ID over an entity specified by ID.

[executeCustomProcess \[page 424\]](#)

This method executes a custom process specified by ID over an entity specified by ID.

Parent topic: [Control Methods \[page 193\]](#)

Related Information

[Operation Functions \[page 194\]](#)

[Pool Functions \[page 303\]](#)

[Service Functions \[page 315\]](#)

[Computer System Functions \[page 338\]](#)

[Template Functions \[page 359\]](#)

[Operation Template Functions \[page 385\]](#)

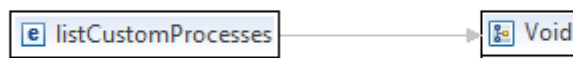
[Custom Property Functions \[page 432\]](#)

[Custom Relation Functions \[page 450\]](#)

2.2.4.7.1 listCustomProcesses

This method lists all custom processes.

Request



Request Parameters

Void

Request Example

Sample Code

XML

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:acc="http://xml.sap.com/2007/07/acc">
  <soapenv:Header/>
  <soapenv:Body>
    <acc:listCustomProcesses/>
  </soapenv:Body>
</soapenv:Envelope>
```

Response



Response Parameters

Table 486: CustomProcessesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomProcess	0	*	CustomProcess	Collection of custom processes.

Table 487: CustomProcess

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Id	1	1	String	ID of the custom process or the operation template.
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig

Response Example

Sample Code

XML

```
<SOAP-ENV:Envelope xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:listCustomProcessesResponse xmlns:ns2="http://xml.sap.com/2007/07/acc"> <!-- contains CustomProcess[0...*] -->
      <CustomProcess>
        <Id>cd9d6a1c-7f35-11e6-cc81-000000970dba</Id>
        <Name>PREP</Name>
      </CustomProcess>
      <CustomProcess>
        <Id>fdd56c8a-84c6-11e6-93d6-000000970dba</Id>
        <Name>STOP</Name>
      </CustomProcess>
      <CustomProcess>
        <Id>003f1d67-7f39-11e6-8c70-000000970dba</Id>
        <Name>TEST</Name>
      </CustomProcess>
    </ns2:listCustomProcessesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Custom Process Functions \[page 404\]](#)

Related Information

[getCustomProcessDetails \[page 407\]](#)

[deleteCustomProcesses \[page 413\]](#)

[resolveCustomProcess \[page 415\]](#)

[executeCustomProcess \[page 424\]](#)

2.2.4.7.2 getCustomProcessDetails

This method retrieves extended information about a custom process specified by its ID.

Request



Request Parameters

Table 488: CustomProcessDetailsRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomProcessId	1	1	String	ID of the custom process.

Request Example

Sample Code

XML

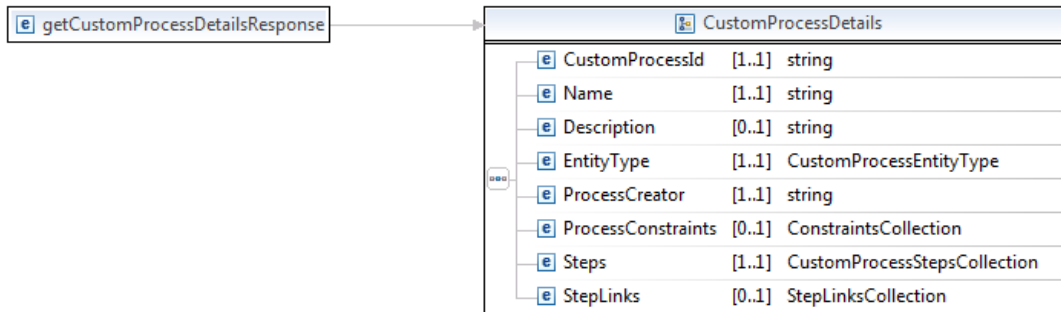
```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
  xmlns:acc="http://xml.sap.com/2007/07/acc">  
  <soapenv:Header/>
```

```

<soapenv:Body>
  <acc:getCustomProcessDetails>
    <CustomProcessId>cd9d6a1c-7f35-11e6-cc81-000000970dba</CustomProcessId>
  </acc:getCustomProcessDetails>
</soapenv:Body>
</soapenv:Envelope>

```

Response



Response Parameters

Table 489: CustomProcessDetails

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomProcessId	1	1	String	ID of the custom process.
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Description	0	1	String	Description for the entity.
EntityType	1	1	CustomProcessEntityType	Type of entities on which the validations are applicable. Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code> : <ul style="list-style-type: none"> • HOST • POOL • CONTAINER
ProcessCreator	1	1	String	Name of the user who created the custom process.
ProcessConstraints	0	1	ConstraintsCollection	Collection of constraints of the custom process which have to be satisfied for the entity on which the custom process is executed.
Steps	1	1	CustomProcessStepsCollection	Collection of steps which represent an operation that will be executed.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
StepLinks	0	1	StepLinksCollection	Collection of step links which represent the edges of the graph of the custom process.

Table 490: CustomProcessEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomProcessEntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • SYSTEM • INSTANCE • HOST

Table 491: ConstraintsCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Constraint	0	*	Constraint	Collection of constraints.

Table 492: Constraint

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Operator	1	1	String	Operator of the constraint.
Value	1	1	String	Value for the corresponding Name property.
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig

Table 493: CustomProcessStepsCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Step	1	*	CustomProcessStep	Collection of custom process or operation template steps.

Table 494: CustomProcessStep

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
StepId	1	1	Integer	Unique identifier of a step in concrete process.
OperationId	1	1	String	Unique identifier for the operation.
OperationName	1	1	String	Name of operation.
Constraints	0	1	ConstraintsCollection	Collection of constraints of the custom process step which have to be satisfied for the entities on which the operation of the step is executed. Used to resolve entities for a step.

Table 495: StepLinksCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
StepLink	0	*	StepLink	Collection of constraints.

Table 496: StepLink

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SourceStepId	1	1	Integer	ID of a source step.
TargetStepId	1	1	Integer	ID of a target step.

Response Example

Sample Code

XML

```
<SOAP-ENV:Envelope xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```

```

<SOAP-ENV:Body>
  <ns2:getCustomProcessDetailsResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">
    <CustomProcessId>003f1d67-7f39-11e6-8c70-000000970dba</CustomProcessId>
    <Name>TEST</Name>
    <EntityType>SYSTEM</EntityType>
    <ProcessCreator>Administrator</ProcessCreator>
    <ProcessConstraints> <!-- contains Constraint[0...*] -->
      <Constraint>
        <Operator>!</Operator>
        <Value>A00</Value>
        <Name>srcSysId.service</Name>
      </Constraint>
    </ProcessConstraints>
    <Steps> <!-- contains Step[1...*] -->
      <Step>
        <StepId>1</StepId>
        <OperationId>prepare</OperationId>
        <OperationName>prepare</OperationName>
        <Constraints> <!-- contains Constraint[0...*] -->
          <Constraint>
            <Operator>!</Operator>
            <Value>1</Value>
            <Name>characteristicId1000.resource</Name>
          </Constraint>
        </Constraints>
      </Step>
      <Step>
        <StepId>2</StepId>
        <OperationId>stop</OperationId>
        <OperationName>stop</OperationName>
        <Constraints/>
      </Step>
    </Steps>
    <StepLinks> <!-- contains StepLink[0...*]; describes the graph (order)
of the steps -->
      <StepLink>
        <SourceStepId>1</SourceStepId>
        <TargetStepId>2</TargetStepId>
      </StepLink>
    </StepLinks>
  </ns2:getCustomProcessDetailsResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Custom Process Functions \[page 404\]](#)

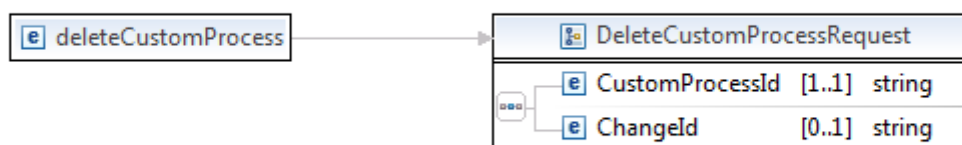
Related Information

[listCustomProcesses \[page 405\]](#)
[deleteCustomProcesses \[page 413\]](#)
[resolveCustomProcess \[page 415\]](#)
[executeCustomProcess \[page 424\]](#)

2.2.4.7.3 deleteCustomProcesses

This method deletes a custom process specified by its ID.

Request



Request Parameters

Table 497: DeleteCustomProcessRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomProcessId	1	1	String	ID of the custom process.
ChangeId	0	1	String	<ul style="list-style-type: none">Identifies changes performed from outside.ChangeID used to track the entity with the ID CustomProcessId.ChangeID used to track the entity with the ID OperationTemplateId.

Request Example

Sample Code

XML

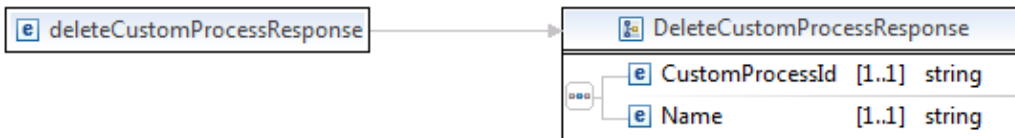
```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
xmlns:acc="http://xml.sap.com/2007/07/acc">
```

```

<soapenv:Header/>
<soapenv:Body>
  <acc:deleteCustomProcess>
    <CustomProcessId>f6c3e0fe-870c-11e6-b385-000000970dba</CustomProcessId>
    <ChangeId>2</ChangeId> <!--Optional:-->
  </acc:deleteCustomProcess>
</soapenv:Body>
</soapenv:Envelope>

```

Response



Response Parameters

Table 498: DeleteCustomProcessResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomProcessId	1	1	String	ID of the custom process.
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig

Response Example

Sample Code

XML

```
<SOAP-ENV:Envelope xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:deleteCustomProcessResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <CustomProcessId>6f39e648-8941-11e6-bf94-000000970dba</CustomProcessId>
      <Name>EEE</Name>
    </ns2:deleteCustomProcessResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Custom Process Functions \[page 404\]](#)

Related Information

[listCustomProcesses \[page 405\]](#)

[getCustomProcessDetails \[page 407\]](#)

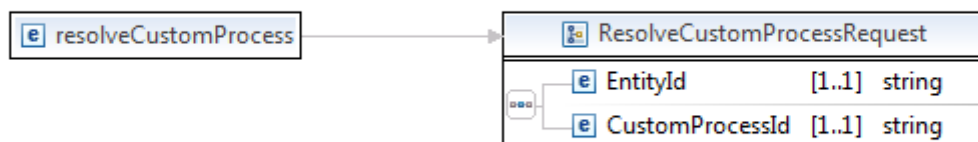
[resolveCustomProcess \[page 415\]](#)

[executeCustomProcess \[page 424\]](#)

2.2.4.7.4 resolveCustomProcess

This method tries to resolve a custom process specified by ID over an entity specified by ID.

Request



Request Parameters

Table 499: ResolveCustomProcessRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	1	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> • In combination with AccountType SIDADM. • In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 10px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> • In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
				For all other scenarios you must specify the EntityId.
CustomProcessId	1	1	String	ID of the custom process.

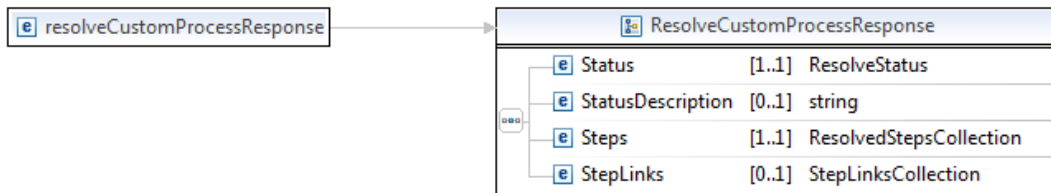
Request Example

Sample Code

XML

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:acc="http://xml.sap.com/2007/07/acc">
  <soapenv:Header/>
  <soapenv:Body>
    <acc:resolveCustomProcess>
      <EntityId>SystemID.BWD.SystemHost.sapdbhd.example.com</EntityId>
      <CustomProcessId>003f1d67-7f39-11e6-8c70-000000970dba</CustomProcessId>
    </acc:resolveCustomProcess>
  </soapenv:Body>
</soapenv:Envelope>
```

Response



Response Parameters

Table 500: ResolveCustomProcessResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Status	1	1	ResolveStatus	Status

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
StatusDescription	0	1	String	Detailed description of the status of the execution launch.
Steps	1	1	ResolvedStepsCollection	Collection of steps which represent a operation that will be executed.
StepLinks	0	1	StepLinksCollection	Collection of step links which represent the edges of the graph of the custom process.

Table 501: ResolveStatus

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ResolveStatus	not applicable	not applicable	String	Status of the overall resolve of the custom process step. Possible values: <ul style="list-style-type: none"> • SUCCESS • WARNING • ERROR

Table 502: ResolvedStepsCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Step	1	*	ResolvedStep	Collection of custom process or operation template steps.

Table 503: ResolvedStep

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
StepId	1	1	Integer	Unique identifier of a step in concrete process.
OperationId	1	1	String	Unique identifier for the operation.
OperationName	1	1	String	Name of operation.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ResolveStatus	1	1	ResolveStatus	Status of the overall resolve of the custom process step. Possible values: <ul style="list-style-type: none"> • SUCCESS • WARNING • ERROR
Entities	0	1	EntitiesCollection	Collection of resolved entities.
UnresolvedEntities	0	1	UnresolvedEntitiesCollection	Collection of unresolved entities.

Table 504: EntitiesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Entity	0	*	Entity	SAP Landscape Management entity.

Table 505: Entity

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	1	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> • In combination with AccountType SIDADM. • In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 10px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> • In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
				For all other scenarios you must specify the EntityId.
EntityParameters	0	1	PropertyCollection	Entity parameters

Table 506: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 507: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Table 508: UnresolvedEntitiesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
UnresolvedEntity	0	*	UnresolvedEntity	Unresolved entity.

Table 509: UnresolvedEntity

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	1	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> • In combination with AccountType SIDADM. • In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 10px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> • In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
				For all other scenarios you must specify the EntityId.
Reason	1	1	String	Reason why the entity is not resolved.

Table 510: StepLinksCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
StepLink	0	*	StepLink	Collection of constraints.

Table 511: StepLink

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
SourceStepId	1	1	Integer	ID of a source step.
TargetStepId	1	1	Integer	ID of a target step.

Response Example

Sample Code

XML

```
<SOAP-ENV:Envelope xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:resolveCustomProcessResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <Status>SUCCESS</Status> <!-- can be SUCCESS, WARNING or ERROR -->
      <ErrorMessage>Custom process successfully resolved.</ErrorMessage>
      <Steps>
        <Step>
          <StepId>1</StepId>
          <OperationId>SM02_ADD_MESSAGE</OperationId>
          <OperationName>BUILT_IN_SM02_ADD_MESSAGE</OperationName>
          <ResolveStatus>ERROR</ResolveStatus>
          <Entities/>
          <UnresolvedEntities>
            <UnresolvedEntity>
              <EntityId>SystemID.BWD.Number.01.InstanceHost.sapcibwd.example.com</EntityId>
              <Reason>state failed for 'notPrepared' Expected = 'running' but was 'notPrepared'</Reason>
            </UnresolvedEntity>
            <UnresolvedEntity>
              <EntityId>DatabaseName.BHD.DatabaseInstance.HDB00.DatabaseType.HDB.DatabaseHost.sapdbbhdrepl.example.com</EntityId>
              <Reason>class failed for 'Database' Expected = 'Instance' but was 'Database'</Reason>
            </UnresolvedEntity>
          </UnresolvedEntities>
        </Step>
      </Steps>
    </ns2:resolveCustomProcessResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```

<EntityId>DatabaseName.BHD.DatabaseInstance.HDB00.DatabaseType.HDB.DatabaseHost.sa
pdbbhd.example.com</EntityId>
  <Reason>class failed for 'Database' Expected = 'Instance'
  but was 'Database'</Reason>
</UnresolvedEntity>
</UnresolvedEntities>
</Step>
</Steps>
<StepLinks/>
</ns2:resolveCustomProcessResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Custom Process Functions \[page 404\]](#)

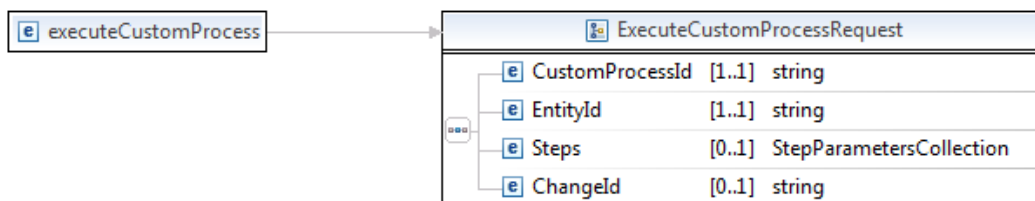
Related Information

- [listCustomProcesses \[page 405\]](#)
- [getCustomProcessDetails \[page 407\]](#)
- [deleteCustomProcesses \[page 413\]](#)
- [executeCustomProcess \[page 424\]](#)
- [executeCustomProcess \[page 424\]](#)
- [listCustomProcesses \[page 405\]](#)
- [getCustomProcessDetails \[page 407\]](#)
- [deleteCustomProcesses \[page 413\]](#)

2.2.4.7.5 executeCustomProcess

This method executes a custom process specified by ID over an entity specified by ID.

Request



Request Parameters

Table 512: ExecuteCustomProcessRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomProcessId	1	1	String	ID of the custom process.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	1	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> • In combination with AccountType SIDADM. • In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> • In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Steps	0	1	StepParametersCollection	Collection of steps which represent a operation that will be executed.
ChangeId	0	1	String	<ul style="list-style-type: none"> Identifies changes performed from outside. ChangeID used to track the entity with the ID CustomProcessId. ChangeID used to track the entity with the ID OperationTemplateId.

Table 513: StepParametersCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Step	0	*	StepParameter	Collection of custom process or operation template steps.

Table 514: StepParameter

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
StepId	1	1	Integer	Unique identifier of a step in concrete process.
Entities	0	1	EntitiesCollection	Collection of resolved entities.
OperationParameters	0	1	OperationParametersCollection	Collection of operation parameters

Table 515: OperationParametersCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
OperationParameter	0	*	ExecutionParameter	Collection of operation parameters.

Table 516: ExecutionParameter

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Values	1	1	ExecutionParameterValuesCollection	Collection of values.

Table 517: ExecutionParameterValuesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Value	1	*	String	Value for the corresponding Name property.

Table 518: EntitiesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Entity	0	*	Entity	SAP Landscape Management entity.

Table 519: Entity

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	1	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
				For all other scenarios you must specify the EntityId.
EntityParameters	0	1	PropertyCollection	Entity parameters

Request Example

Sample Code

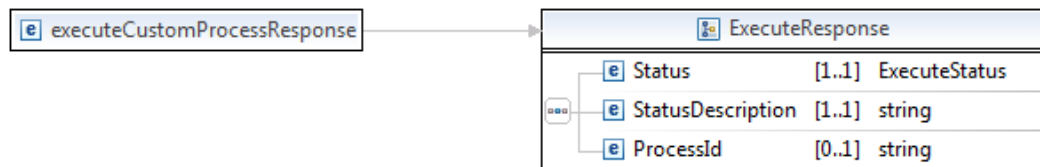
XML

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:acc="http://xml.sap.com/2007/07/acc">
  <soapenv:Header/>
  <soapenv:Body>
    <acc:executeCustomProcess>
      <CustomProcessId>cd9d6a1c-7f35-11e6-cc81-000000970dba</CustomProcessId>
      <EntityId>SystemID.BWD.SystemHost.sapdbhd.example.com</EntityId>
      <Steps> <!--Optional:-->
        <Step> <!--Zero or more repetitions:-->
          <StepId>1</StepId>
          <Entities> <!--Optional:-->
            <Entity> <!--Zero or more repetitions:-->
              <EntityId>DatabaseName.BHD.DatabaseInstance.HDB00.DatabaseType.HDB.DatabaseHost.sapdbhd.example.com</EntityId>
              <EntityParameters> <!--Optional:-->
                <Properties> <!--Zero or more repetitions:-->
                  <Name>hostname</Name>
                  <Value>develop-vm-01</Value> <!--Optional:-->
                </Properties>
              </EntityParameters>
            </Entity>
          </Entities>
          <OperationParameters> <!--Optional:-->
            <OperationParameter> <!--Zero or more repetitions:-->
              <Name>timeout</Name>
              <Values> <!--Optional:-->
                <Value>300</Value> <!--Zero or more repetitions:-->
              </Values>
            </OperationParameter>
          </OperationParameters>
        </Step>
      </Steps>
      <ChangeId>EXEC_CUST_PRC</ChangeId> <!--Optional:-->
    </acc:executeCustomProcess>
  </soapenv:Body>
</soapenv:Envelope>

```

Response



Response Parameters

Table 520: ExecuteResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Status	1	1	ExecuteStatus	Status
StatusDescription	1	1	String	Detailed description of the status of the execution launch.
ProcessId	0	1	String	Latest Process ID of the service. Returns the Process ID of the operation which was created for the <code>OperationRequest</code> . This process ID can be used to get the status of this operation.

Table 521: ExecuteStatus

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ExecuteStatus	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • SUCCESS • WARNING • ERROR

Response Example

Sample Code

XML

```
<SOAP-ENV:Envelope xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:executeCustomProcessResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <Status>SUCCESS</Status> <!-- can be SUCCESS, WARNING or ERROR -->
      <StatusDescription>Custom process executed successfully.</StatusDescription>
      <ProcessId>process-bf3e89cc-896e-11e6-a8c9-000000970dba</ProcessId> <!-- Optional:-->
    </ns2:executeCustomProcessResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Custom Process Functions \[page 404\]](#)

Related Information

[listCustomProcesses \[page 405\]](#)
[getCustomProcessDetails \[page 407\]](#)
[deleteCustomProcesses \[page 413\]](#)
[resolveCustomProcess \[page 415\]](#)
[resolveCustomProcess \[page 415\]](#)
[listCustomProcesses \[page 405\]](#)
[getCustomProcessDetails \[page 407\]](#)
[deleteCustomProcesses \[page 413\]](#)

2.2.4.8 Custom Property Functions

Methods to retrieve, modify, or delete custom properties.

[getCustomProperties \[page 433\]](#)

This method retrieves custom properties of entities.

[updateCustomProperties \[page 439\]](#)

This method modifies custom properties.

[deleteCustomProperties \[page 445\]](#)

This method deletes custom properties.

Parent topic: [Control Methods \[page 193\]](#)

Related Information

[Operation Functions \[page 194\]](#)

[Pool Functions \[page 303\]](#)

[Service Functions \[page 315\]](#)

[Computer System Functions \[page 338\]](#)

[Template Functions \[page 359\]](#)

[Operation Template Functions \[page 385\]](#)

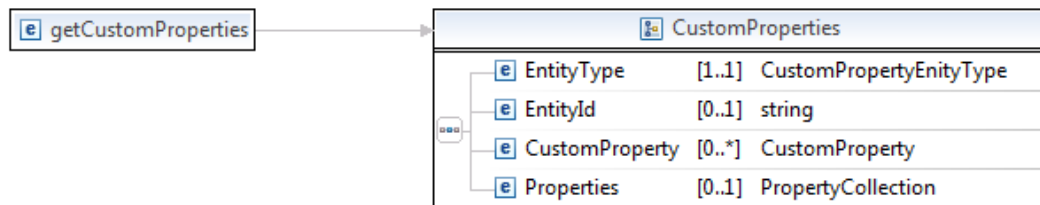
[Custom Process Functions \[page 404\]](#)

[Custom Relation Functions \[page 450\]](#)

2.2.4.8.1 getCustomProperties

This method retrieves custom properties of entities.

Request



Request Parameters

Table 522: CustomProperties

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	CustomPropertyEntityType	<p>Type of entities on which the validations are applicable.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER <p>Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code>:</p> <ul style="list-style-type: none"> • HOST • POOL • CONTAINER

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomProperty	0	*	CustomProperty	Property of type key-value pair that can be secured.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 523: CustomPropertyEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomPropertyEntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • CONTAINERS • POOLS • SYSTEMS • HOSTS • INSTANCES • SETUP

Table 524: CustomProperty

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
IsSecure	0	1	Boolean	Indicates if property needs to be secured with encryption.
PropKey	1	1	String	Unique identifier key for custom property.
PropValue	0	1	String	Value for custom property.

Table 525: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 526: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getCustomProperties xmlns:yql="http://xml.sap.com/2007/07/acc">
      <EntityType>INSTANCES</EntityType>
      <EntityId>ANO: NetWeaver ABAP 7.03, simpf00-vr-14</EntityId>
    </yql:getCustomProperties>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Table 527: CustomPropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomProperty	0	*	CustomProperty	Property of type key-value pair that can be secured.

Table 528: CustomProperty

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
IsSecure	0	1	Boolean	Indicates if property needs to be secured with encryption.
PropKey	1	1	String	Unique identifier key for custom property.
PropValue	0	1	String	Value for custom property.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getCustomPropertiesResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <CustomProperty>
        <IsSecure>>false</IsSecure>
        <PropKey>Test</PropKey>
        <PropValue>22</PropValue>
      </CustomProperty>
    </ns2:getCustomPropertiesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Custom Property Functions \[page 432\]](#)

Related Information

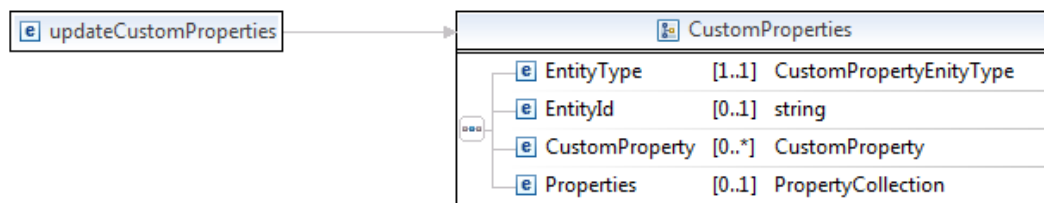
[updateCustomProperties \[page 439\]](#)

[deleteCustomProperties \[page 445\]](#)

2.2.4.8.2 updateCustomProperties

This method modifies custom properties.

Request



Request Parameters

Table 529: CustomProperties

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	CustomPropertyEntityType	<p>Type of entities on which the validations are applicable.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER <p>Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code>:</p> <ul style="list-style-type: none"> • HOST • POOL • CONTAINER

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomProperty	0	*	CustomProperty	Property of type key-value pair that can be secured.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 530: CustomPropertyEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomPropertyEntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • CONTAINERS • POOLS • SYSTEMS • HOSTS • INSTANCES • SETUP

Table 531: CustomProperty

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
IsSecure	0	1	Boolean	Indicates if property needs to be secured with encryption.
PropKey	1	1	String	Unique identifier key for custom property.
PropValue	0	1	String	Value for custom property.

Table 532: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 533: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:updateCustomProperties xmlns:yql="http://xml.sap.com/2007/07/acc">
      <EntityType>INSTANCES</EntityType>
      <EntityId>SystemID.X00.Number.00.InstanceHost.simcix00</EntityId>
      <CustomProperty>
        <PropKey>Test</PropKey>
        <PropValue>33</PropValue>
      </CustomProperty>
    </yql:updateCustomProperties>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 534: CustomPropertiesResponseBoolean

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Result	1	1	Boolean	Boolean result returned from custom property operations.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:updateCustomPropertiesResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">true</ns2:updateCustomPropertiesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Custom Property Functions \[page 432\]](#)

Related Information

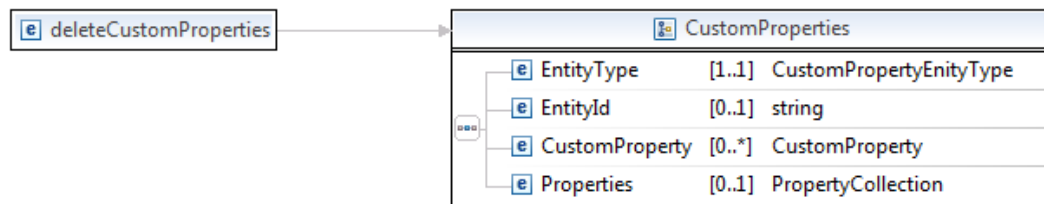
[getCustomProperties \[page 433\]](#)

[deleteCustomProperties \[page 445\]](#)

2.2.4.8.3 deleteCustomProperties

This method deletes custom properties.

Request



Request Parameters

Table 535: CustomProperties

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	CustomPropertyEntityType	<p>Type of entities on which the validations are applicable.</p> <p>Possible values:</p> <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER <p>Additional values for method <code>queryEntitiesById</code> and <code>queryEntitiesFullText</code>:</p> <ul style="list-style-type: none"> • HOST • POOL • CONTAINER

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomProperty	0	*	CustomProperty	Property of type key-value pair that can be secured.
Properties	0	1	PropertyCollection	Collection of name and value pairs which can be used for later extensions.

Table 536: CustomPropertyEntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
CustomPropertyEntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • CONTAINERS • POOLS • SYSTEMS • HOSTS • INSTANCES • SETUP

Table 537: CustomProperty

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
IsSecure	0	1	Boolean	Indicates if property needs to be secured with encryption.
PropKey	1	1	String	Unique identifier key for custom property.
PropValue	0	1	String	Value for custom property.

Table 538: PropertyCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Properties	0	*	Property	Collection of name and value pairs which can be used for later extensions.

Table 539: Property

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Name	1	1	String	Name of the entity. This parameter is mandatory for the following methods: <ul style="list-style-type: none"> • addNetworkConfig • addPoolConfig • updateNetworkConfig • updatePoolConfig
Value	0	1	String	Value for the corresponding Name property.

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:deleteCustomProperties xmlns:yql="http://xml.sap.com/2007/07/acc">
      <EntityType>POOLS</EntityType>
    </yql:deleteCustomProperties>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 540: CustomPropertiesResponseBoolean

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
Result	1	1	Boolean	Boolean result returned from custom property operations.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?>
<SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/
XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:deleteCustomPropertiesResponse xmlns:ns2="http://xml.sap.com/2007/07/
acc">
      <Result>>false</Result>
    </ns2:deleteCustomPropertiesResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Custom Property Functions \[page 432\]](#)

Related Information

[getCustomProperties \[page 433\]](#)

[updateCustomProperties \[page 439\]](#)

2.2.4.9 Custom Relation Functions

Methods to add, retrieve, or delete custom relations.

[getCustomRelationType \[page 451\]](#)

This method retrieves custom relation source entity types and target entity types.

[addCustomRelation \[page 457\]](#)

This method adds a new custom relation that defines a static relationships between entities.

[deleteCustomRelation \[page 465\]](#)

This method deletes custom relations.

[getCustomRelations \[page 473\]](#)

This method retrieves custom relations configured.

Parent topic: [Control Methods \[page 193\]](#)

Related Information

[Operation Functions \[page 194\]](#)

[Pool Functions \[page 303\]](#)

[Service Functions \[page 315\]](#)

[Computer System Functions \[page 338\]](#)

[Template Functions \[page 359\]](#)

[Operation Template Functions \[page 385\]](#)

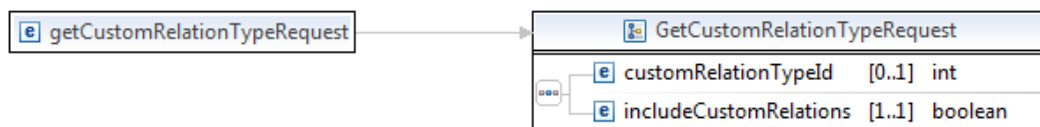
[Custom Process Functions \[page 404\]](#)

[Custom Property Functions \[page 432\]](#)

2.2.4.9.1 getCustomRelationType

This method retrieves custom relation source entity types and target entity types.

Request



Request Parameters

Table 541: GetCustomRelationTypeRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
customRelationTy peId	0	1	Integer	ID of the custom rela- tion type.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
includeCustomRelations	1	1	Boolean	Flag, that indicates if custom relations are included in the response or not.

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:getCustomRelationTypeRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <customRelationTypeId>1000</customRelationTypeId>
      <includeCustomRelations>true</includeCustomRelations>
    </yql:getCustomRelationTypeRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 542: GetCustomRelationTypeResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
customRelationTypes	0	*	CustomRelationType	Collection of custom relation types.

Table 543: CustomRelationType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
id	1	1	Integer	ID of the custom entity relation.

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
name	1	1	String	Name of the custom entity relation.
description	0	1	String	Description of the custom entity relation.
customRelations	0	*	CustomRelation	Collection of valid source and target entity types of the custom relation.

Table 544: CustomRelation

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
customRelationTypeId	1	1	Integer	ID of the custom relation type.
sourceEntity	1	1	EntityReference	Valid source entity type.
targetEntity	1	1	EntityReference	Valid target entity type.

Table 545: EntityReference

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	EntityType	Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER • HOST • POOL • CONTAINER • SYSTEM

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> • In combination with AccountType SIDADM. • In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> • In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationFilters	0	1	ValidationShortNamesCollection	Collection of validation IDs used to filter the validation results.

Table 546: EntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER • HOST • POOL • CONTAINER • SYSTEM

Table 547: ValidationShortNamesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationShortName	0	*	String	Short name of the validation as displayed on the User Interface in English.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getCustomRelationTypeResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <customRelationTypes>
        <id>1000</id>
        <name>Systemlandscape</name>
        <customRelations>
          <customRelationTypeId>1000</customRelationTypeId>
          <sourceEntity>
            <EntityType>SYSTEM</EntityType>
            <EntityId>SystemID.BH2.SystemHost.dbbh2.wdf.sap.corp</EntityId>
          </sourceEntity>
          <targetEntity>
```

```

    <EntityType>SYSTEM</EntityType>
    <EntityId>SystemID.B01.SystemHost.boldb.wdf.sap.corp</EntityId>
  </targetEntity>
</customRelations>
<customRelations>
  <customRelationTypeId>1000</customRelationTypeId>
  <sourceEntity>
    <EntityType>SYSTEM</EntityType>
    <EntityId>SystemID.CRQ.SystemHost.sapdbcrq.example.com</EntityId>
  </sourceEntity>
  <targetEntity>
    <EntityType>SYSTEM</EntityType>
    <EntityId>SystemID.CRP.SystemHost.sapdbcrp.example.com</EntityId>
  </targetEntity>
</customRelations>
<customRelations>
  <customRelationTypeId>1000</customRelationTypeId>
  <sourceEntity>
    <EntityType>SYSTEM</EntityType>
    <EntityId>SystemID.TDT.SystemHost.acvml067.wdf.sap.corp</EntityId>
  </sourceEntity>
  <targetEntity>
    <EntityType>SYSTEM</EntityType>
    <EntityId>SystemID.B02.SystemHost.dbbo2.wdf.sap.corp</EntityId>
  </targetEntity>
</customRelations>
<customRelations>
  <customRelationTypeId>1000</customRelationTypeId>
  <sourceEntity>
    <EntityType>SYSTEM</EntityType>
    <EntityId>SystemID.TDT.SystemHost.acvml067.wdf.sap.corp</EntityId>
  </sourceEntity>
  <targetEntity>
    <EntityType>SYSTEM</EntityType>
    <EntityId>SystemID.TDN.SystemHost.acvml066.wdf.sap.corp</EntityId>
  </targetEntity>
</customRelations>
</customRelationTypes>
</ns2:getCustomRelationTypeResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Custom Relation Functions \[page 450\]](#)

Related Information

[addCustomRelation \[page 457\]](#)

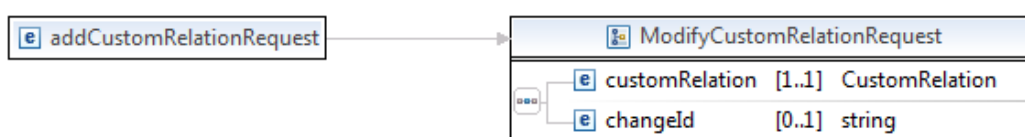
[deleteCustomRelation \[page 465\]](#)

[getCustomRelations \[page 473\]](#)

2.2.4.9.2 addCustomRelation

This method adds a new custom relation that defines a static relationships between entities.

Request



Request Parameters

Table 548: ModifyCustomRelationRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
customRelation	1	1	CustomRelation	Valid source and target entity type of the custom relation.
changeId	1	0	String	This is used to pass the change ID if required.

Table 549: CustomRelation

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
customRelationType	1	1	Integer	ID of the custom relation type.
sourceEntity	1	1	EntityReference	Valid source entity type.
targetEntity	1	1	EntityReference	Valid target entity type.

Table 550: EntityReference

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	EntityType	Possible values: <ul style="list-style-type: none"> • COMPUTERSYS- TEM • SERVICE • VIRTUAL_RE- SOURCE • VIRTUAL_RE- SOURCE_PRO- VIDER • HOST • POOL • CONTAINER • SYSTEM

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationFilters	0	1	ValidationShortNamesCollection	Collection of validation IDs used to filter the validation results.

Table 551: EntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER • HOST • POOL • CONTAINER • SYSTEM

Table 552: ValidationShortNamesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationShortName	0	*	String	Short name of the validation as displayed on the User Interface in English.

Request Example

Sample Code

XML

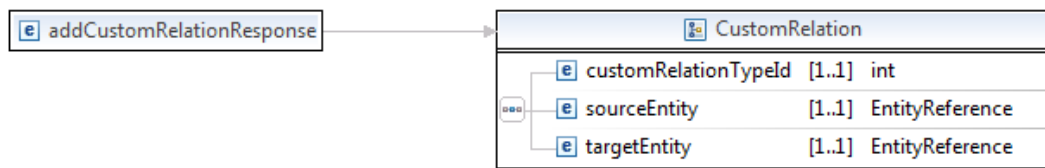
```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yql:addCustomRelationRequest xmlns:yql="http://xml.sap.com/2007/07/acc">
      <customRelation>
        <customRelationTypeId>1000</customRelationTypeId>
        <sourceEntity>
          <EntityType>SYSTEM</EntityType>
          <EntityId>SystemID.B01.SystemHost.bo1db.wdf.sap.corp</EntityId>
        </sourceEntity>
        <targetEntity>
          <EntityType>SYSTEM</EntityType>
          <EntityId>SystemID.B02.SystemHost.dbbo2.wdf.sap.corp</EntityId>
        </targetEntity>
      </customRelation>
    </yql:addCustomRelationRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```

    </customRelation>
  </yql:addCustomRelationRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Response



Response Parameters

Table 553: CustomRelation

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
customRelationTypeId	1	1	Integer	ID of the custom relation type.
sourceEntity	1	1	EntityReference	Valid source entity type.
targetEntity	1	1	EntityReference	Valid target entity type.

Table 554: EntityReference

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	EntityType	Possible values: <ul style="list-style-type: none"> • COMPUTERSYS- TEM • SERVICE • VIRTUAL_RE- SOURCE • VIRTUAL_RE- SOURCE_PRO- VIDER • HOST • POOL • CONTAINER • SYSTEM

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationFilters	0	1	ValidationShortNamesCollection	Collection of validation IDs used to filter the validation results.

Table 555: EntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER • HOST • POOL • CONTAINER • SYSTEM

Table 556: ValidationShortNamesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationShortName	0	*	String	Short name of the validation as displayed on the User Interface in English.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:addCustomRelationResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <customRelationTypeId>1000</customRelationTypeId>
      <sourceEntity>
        <EntityType>SYSTEM</EntityType>
        <EntityId>SystemID.B01.SystemHost.bo1db.wdf.sap.corp</EntityId>
      </sourceEntity>
      <targetEntity>
        <EntityType>SYSTEM</EntityType>
        <EntityId>SystemID.B02.SystemHost.dbbo2.wdf.sap.corp</EntityId>
      </targetEntity>
    </ns2:addCustomRelationResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



```
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Parent topic: [Custom Relation Functions \[page 450\]](#)

Related Information

[getCustomRelationType \[page 451\]](#)

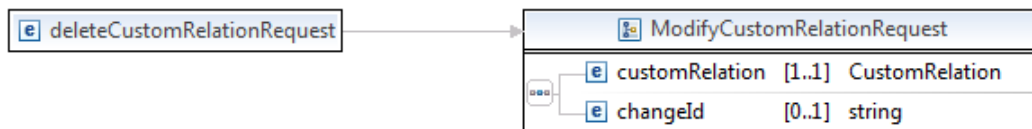
[deleteCustomRelation \[page 465\]](#)

[getCustomRelations \[page 473\]](#)

2.2.4.9.3 deleteCustomRelation

This method deletes custom relations.

Request



Request Parameters

Table 557: ModifyCustomRelationRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
customRelation	1	1	CustomRelation	Valid source and target entity type of the custom relation.
changeId	1	0	String	This is used to pass the change ID if required.

Table 558: CustomRelation

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
customRelationTypeId	1	1	Integer	ID of the custom relation type.
sourceEntity	1	1	EntityReference	Valid source entity type.
targetEntity	1	1	EntityReference	Valid target entity type.

Table 559: EntityReference

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	EntityType	Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER • HOST • POOL • CONTAINER • SYSTEM

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationFilters	0	1	ValidationShortNamesCollection	Collection of validation IDs used to filter the validation results.

Table 560: EntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER • HOST • POOL • CONTAINER • SYSTEM

Table 561: ValidationShortNamesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationShortName	0	*	String	Short name of the validation as displayed on the User Interface in English.

Request Example

Sample Code

XML

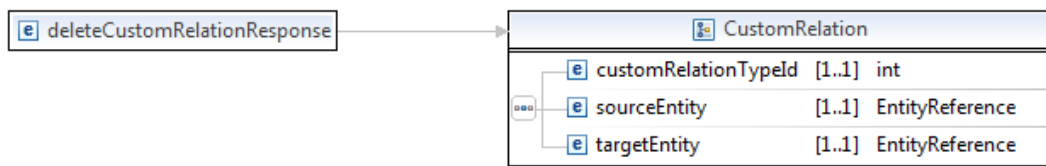
```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:deleteCustomRelationRequest xmlns:yq1="http://xml.sap.com/2007/07/acc">
      <customRelation>
        <customRelationTypeId>1000</customRelationTypeId>
        <sourceEntity>
          <EntityType>SYSTEM</EntityType>
          <EntityId>SystemID.B01.SystemHost.bo1db.wdf.sap.corp</EntityId>
        </sourceEntity>
        <targetEntity>
          <EntityType>SYSTEM</EntityType>
          <EntityId>SystemID.B02.SystemHost.dbbo2.wdf.sap.corp</EntityId>
        </targetEntity>
      </customRelation>
    </yq1:deleteCustomRelationRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

```

    </customRelation>
  </yql:deleteCustomRelationRequest>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Response



Response Parameters

Table 562: CustomRelation

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
customRelationTy peId	1	1	Integer	ID of the custom rela- tion type.
sourceEntity	1	1	EntityReference	Valid source entity type.
targetEntity	1	1	EntityReference	Valid target entity type.

Table 563: EntityReference

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	EntityType	Possible values: <ul style="list-style-type: none"> • COMPUTERSYS- TEM • SERVICE • VIRTUAL_RE- SOURCE • VIRTUAL_RE- SOURCE_PRO- VIDER • HOST • POOL • CONTAINER • SYSTEM

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationFilters	0	1	ValidationShortNamesCollection	Collection of validation IDs used to filter the validation results.

Table 564: EntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER • HOST • POOL • CONTAINER • SYSTEM

Table 565: ValidationShortNamesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationShortName	0	*	String	Short name of the validation as displayed on the User Interface in English.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:deleteCustomRelationResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <customRelationTypeId>1000</customRelationTypeId>
      <sourceEntity>
        <EntityType>SYSTEM</EntityType>
        <EntityId>SystemID.B01.SystemHost.bo1db.wdf.sap.corp</EntityId>
      </sourceEntity>
      <targetEntity>
        <EntityType>SYSTEM</EntityType>
        <EntityId>SystemID.B02.SystemHost.dbbo2.wdf.sap.corp</EntityId>
      </targetEntity>
    </ns2:deleteCustomRelationResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



```
</SOAP-ENV:Body>  
</SOAP-ENV:Envelope>
```

Parent topic: [Custom Relation Functions \[page 450\]](#)

Related Information

[getCustomRelationType \[page 451\]](#)

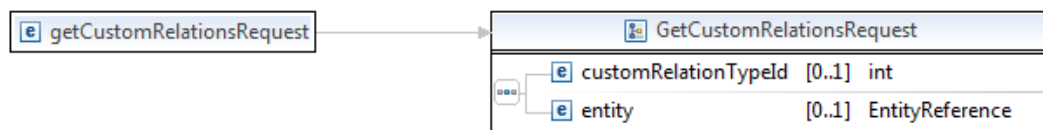
[addCustomRelation \[page 457\]](#)

[getCustomRelations \[page 473\]](#)

2.2.4.9.4 getCustomRelations

This method retrieves custom relations configured.

Request



Request Parameters

Table 566: GetCustomRelationsRequest

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
customRelationTypeId	0	1	Integer	ID of the custom relation type.
entity	0	1	EntityReference	Entity reference

Table 567: EntityReference

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	EntityType	Possible values: <ul style="list-style-type: none"> • COMPUTERSYS- TEM • SERVICE • VIRTUAL_RE- SOURCE • VIRTUAL_RE- SOURCE_PRO- VIDER • HOST • POOL • CONTAINER • SYSTEM

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationFilters	0	1	ValidationShortNamesCollection	Collection of validation IDs used to filter the validation results.

Table 568: EntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER • HOST • POOL • CONTAINER • SYSTEM

Table 569: ValidationShortNamesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationShortName	0	*	String	Short name of the validation as displayed on the User Interface in English.

Request Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <yq1:getCustomRelationsRequest xmlns:yq1="http://xml.sap.com/2007/07/acc">
      <customRelationTypeId>1000</customRelationTypeId>
      <entity>
        <EntityType>SYSTEM</EntityType>
        <EntityId>SystemID.ABC.SystemHost.sapdbabc.example.com</EntityId>
        <ValidationFilters/>
      </entity>
    </yq1:getCustomRelationsRequest>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```

Response



Response Parameters

Table 570: GetCustomRelationsResponse

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
customRelations	0	*	CustomRelation	Collection of valid source and target entity types of the custom relation.

Table 571: CustomRelation

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
customRelationType	1	1	Integer	ID of the custom relation type.
sourceEntity	1	1	EntityReference	Valid source entity type.
targetEntity	1	1	EntityReference	Valid target entity type.

Table 572: EntityReference

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	1	1	EntityType	Possible values: <ul style="list-style-type: none">• COMPUTERSYS- TEM• SERVICE• VIRTUAL_RE- SOURCE• VIRTUAL_RE- SOURCE_PRO- VIDER• HOST• POOL• CONTAINER• SYSTEM

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityId	0	1	String	<p>Name of the service which belongs to a given SystemId.</p> <p>This parameter is not required for the following scenarios:</p> <ul style="list-style-type: none"> In combination with AccountType SIDADM. In combination with AccountType SAPADM. Used for changing SAP Host Agent password stored for all hosts which belong to a given SystemId. <div style="background-color: #fff9c4; padding: 5px; margin: 10px 0;"> <p>i Note</p> <p>In this case, the EntityId represents the host name for which the SAP Host Agent password is stored.</p> </div> <ul style="list-style-type: none"> In combination with AccountType SAPADM and AccountId = default. Used for changing DEFAULT SAPADM (SAP Host Agent) password stored. <p>For all other scenarios you must specify the EntityId.</p>

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationFilters	0	1	ValidationShortNamesCollection	Collection of validation IDs used to filter the validation results.

Table 573: EntityType

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
EntityType	not applicable	not applicable	String	Possible values: <ul style="list-style-type: none"> • COMPUTERSYSTEM • SERVICE • VIRTUAL_RESOURCE • VIRTUAL_RESOURCE_PROVIDER • HOST • POOL • CONTAINER • SYSTEM

Table 574: ValidationShortNamesCollection

Parameter	Minimum Occurrence	Maximum Occurrence	Type	Description
ValidationShortName	0	*	String	Short name of the validation as displayed on the User Interface in English.

Response Example

Sample Code

XML

```
<?xml version="1.0" encoding="utf-8"?><SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <SOAP-ENV:Body>
    <ns2:getCustomRelationsResponse xmlns:ns2="http://xml.sap.com/2007/07/acc">
      <customRelations>
        <customRelationTypeId>1000</customRelationTypeId>
        <sourceEntity>
          <EntityType>SYSTEM</EntityType>
          <EntityId>SystemID.ABC.SystemHost.sapdbabc.example.com</EntityId>
        </sourceEntity>
        <targetEntity>
          <EntityType>SYSTEM</EntityType>
          <EntityId>SystemID.BWP.SystemHost.sapdbbhp.example.com</EntityId>
        </targetEntity>
      </customRelations>
    </ns2:getCustomRelationsResponse>
  </SOAP-ENV:Body>
</SOAP-ENV:Envelope>
```



```

</customRelations>
<customRelations>
  <customRelationTypeId>1000</customRelationTypeId>
  <sourceEntity>
    <EntityType>SYSTEM</EntityType>
    <EntityId>SystemID.ERP.SystemHost.sapdbehp.example.com</EntityId>
  </sourceEntity>
  <targetEntity>
    <EntityType>SYSTEM</EntityType>
    <EntityId>SystemID.ABC.SystemHost.sapdbabc.example.com</EntityId>
  </targetEntity>
</customRelations>
</ns2:getCustomRelationsResponse>
</SOAP-ENV:Body>
</SOAP-ENV:Envelope>

```

Parent topic: [Custom Relation Functions \[page 450\]](#)

Related Information

[getCustomRelationType \[page 451\]](#)

[addCustomRelation \[page 457\]](#)

[deleteCustomRelation \[page 465\]](#)

2.2.5 Error Codes

This section lists possible error codes and the corresponding message.

Table 575: Error Codes

Error Code	Message
ERROR_CODE_ACC_INTERNAL_ERROR = 1	Internal exception occurred during configuration.
ERROR_CODE_NO_SUCH_PROCESS = 2	No such process exists.
ERROR_CODE_INVALID_OPERATION_TYPE = 3	Operation type provided is not valid.
ERROR_CODE_OPERATION_EXECUTION_ERROR = 4	Error occurs during the execution of the operation.
ERROR_CODE_INVALID_CONFIGURATION_DATA = 5	Configuration data provided is not valid.
ERROR_CODE_USER_HAS_NO_PERMISSION = 6	User has no permission to perform specific operation.
ERROR_CODE_NO_SUCH_COMPUTER_SYSTEM = 7	No computer system exists for the host name provided.
ERROR_CODE_COMPUTER_SYSTEM_ALREADY_LOCKED = 8	Computer system already locked for configuration.

Error Code	Message
ERROR_CODE_COMPUTER_SYSTEM_LOCK_FAILURE = 9	Configuration operation cannot receive a lock on the computer system.
ERROR_CODE_COMPUTER_SYSTEM_UNLOCK_FAILURE = 10	Error unlocking the computer system.
ERROR_CODE_NO_SUCH_COMPUTER_SYSTEM_HOSTNAME = 11	No such computer system host name exists.
ERROR_CODE_EMPTY_OR_NULL_COMPUTER_SYSTEM_HOSTNAME = 12	No computer system host name is provided when required.
ERROR_CODE_HOST_AGENT_CREDENTIALS_MISSING = 13	SAP Host Agent credentials are missing for the computer system specified.
ERROR_CODE_NETWORK_CONFIGURATION_MISSING = 14	Network configuration details are missing for the computer system specified.
ERROR_CODE_EMPTY_OR_NULL_NETWORK_INTERFACE_ID = 16	Network interface ID is null or empty for the computer system specified.
ERROR_CODE_NO_SUCH_NETWORK = 17	Network ID specified in the input data is not valid.
ERROR_CODE_EMPTY_OR_NULL_NETWORK_ID = 18	Network ID specified in the input data of a method is empty or null.
ERROR_CODE_REFERENCED_SERVERS = 19	Error retrieving the referenced server details for the network.
ERROR_CODE_REFERENCED_SERVICES = 20	Error retrieving the referenced instance details for the network.
ERROR_NETWORK_ALREADY_LOCKED = 21	Network is locked by another user or application.
ERROR_NETWORK_LOCK_FAILURE = 22	Failure obtaining the lock for the network.
ERROR_NETWORK_UNLOCK_FAILURE = 23	Failure trying to unlock the network.
ERROR_CODE_EMPTY_OR_NULL_POOL_ID = 24	Pool ID specified in the input data of a method is empty or null.
ERROR_CODE_NO_SUCH_POOL = 25	Pool ID specified in the input data is not valid.
ERROR_POOL_ALREADY_LOCKED = 26	Pool is already locked by some other user or application.
ERROR_POOL_LOCK_FAILURE = 27	Failure obtaining the lock for the pool.
ERROR_POOL_UNLOCK_FAILURE = 28	Failure trying to unlock the pool.
ERROR_CODE_INVALID_SERVICE_ID = 29	Service ID provided is not valid.

Error Code	Message
ERROR_CODE_NO_SUCH_SERVICE = 30	No instance matching the input service ID.
ERROR_CODE_EMPTY_OR_NULL_SERVICE_ID = 31	No service ID provided where expected.
ERROR_CODE_SERVICE_LOCKED = 32	Instance already locked for configuration.
ERROR_CODE_EMPTY_OPERATION_REQUEST = 33	Operation request is empty.
ERROR_CODE_INVALID_OPERATION_REQUEST = 34	Operation request is not valid.
ERROR_CODE_EMPTY_OPERATION_REQUEST_ITEM = 35	Operation request item is empty.
ERROR_CODE_DEPEDENT_SERVICES_MISSING = 36	Dependent instances are missing for a system.
ERROR_CODE_SELECTED_SERVICE_OR_RESOURCE_INVALID = 37	Selected instance or host is not valid.
ERROR_CODE_SERVICE_HAS_ALERT = 38	Instance has an alert.
ERROR_CODE_NULL_OR_EMPTY_PROCESS_ID = 39	No process ID specified.
ERROR_CODE_NOT_SERVICE_ELEMENT = 40	No instance element for the value provided.
ERROR_CODE_UNFULFILL_REQ = 41	Instance does not meet the requirements for an operation.
ERROR_CODE_INVALID_AUTO_SELECTION_POLICY = 42	Auto-selection policy specified is not valid.
ERROR_CODE_NULL_OR_EMPTY_AUTO_SELECTION_POLICY = 43	Auto-selection policy is not specified.
ERROR_CODE_EMPTY_AUTO_SELECTOR_REQUEST = 44	Auto-selector request is empty.
ERROR_CODE_NOT_ADAPTIVE_SERVICE_ELEMENT = 45	Service element is not adaptively installed.
ERROR_CODE_IMPROPER_DATA = 46	Service has improper data in SLD.
ERROR_CODE_EMPTY_NOTE = 47	Empty note to call Set Note.
ERROR_CODE_NULL_OR_EMPTY_TASK_ID = 48	Empty task ID.
ERROR_CODE_NO_SUCH_TASK = 49	No task exists for the given task ID.
ERROR_CODE_ILLEGITIMATE_CHANGE_ID_USAGE = 50	Illegitimate change ID usage.

Error Code	Message
ERROR_CODE_NO_SUCH_VALIDATIONRESULT = 51	No task exists for the given entity ID and entity type.
ERROR_CODE_NULL_OR_EMPTY_ENTITY_ID = 52	Empty entity ID.
ERROR_CODE_NULL_OR_EMPTY_ENTITY_TYPE = 53	Empty entity type.
ERROR_CODE_NULL_OR_EMPTY_PROCESS_STATE = 54	No process state is specified.
ERROR_CODE_ENTERPRISE_LICENSE_REQUIRED = 55	Enterprise license is required but not installed.
ERROR_CODE_RETRIEVE_CUSTOM_PARAMETER = 56	Error retrieving the replaced default values.
TEMPLATE_ERROR_CODE_NOTSUPPORTED = 0	Functionality is not supported.
TEMPLATE_ERROR_CODE_ENTERPRISE_LICENSE = 1	Enterprise license is not available.
TEMPLATE_ERROR_CODE_INVALID_SERVICE = 2	Instance is null or empty.
TEMPLATE_ERROR_CODE_INVALID_SERVICE_SERVICEID = 3	Instance {0} not configured in SAP Landscape Management.
TEMPLATE_ERROR_CODE_INVALID_HOST = 4	Host is null or empty.
TEMPLATE_ERROR_CODE_INVALID_HOST_HOSTID = 5	Host {0} not configured in SAP Landscape Management.
TEMPLATE_ERROR_CODE_INVALID_DEPENDENT_STEP_ID = 6	Dependent Steps {0} are invalid.
TEMPLATE_ERROR_CODE_SERVICE_LOCKED = 7	Instance {0} is locked.
TEMPLATE_ERROR_CODE_RESOURCE_LOCKED = 8	Host {0} is locked.
TEMPLATE_ERROR_CODE_INVALID_SERVICE_STATE = 9	Instance {0} is already in target state.
TEMPLATE_ERROR_CODE_MISSING_OUTGOING_ISD = 10	Instance {0} has missing outgoing dependencies.
TEMPLATE_ERROR_CODE_MISSING_INCOMING_ISD = 11	Instance {0} has missing incoming dependencies.
TEMPLATE_ERROR_CODE_INVALID_XML = 12	Template is invalid.
TEMPLATE_ERROR_CODE_XML_IMPROPER = 13	Template content is improper.

Error Code	Message
TEMPLATE_ERROR_CODE_IO_EXCEPTION = 14	Internal exception occurs.
TEMPLATE_ERROR_CODE_DOMEXCEPTION = 15	DOMException occurs when parsing the XML.
TEMPLATE_ERROR_CODE_VCMCONTROLLER_NOT_FOUND = 16	VCMController instance is not found.
TEMPLATE_ERROR_CODE_TEMPLATE_LIST_EMPTY = 17	There are no templates stored in SAP Landscape Management.
TEMPLATE_ERROR_CODE_FOR_EXCEPTIONS = 18	VCMController instance not found.
TEMPLATE_ERROR_CODE_FOR_TEMPLATE_CANNOT_BE_DELETED = 19	Template locked when being executed.
TEMPLATE_ERROR_CODE_OPERATION_INVALID = 20	Operation {0} is not supported in SAP Landscape Management.
TEMPLATE_ERROR_CODE_INVALID_SYSTEM = 21	System is null or empty.
TEMPLATE_ERROR_CODE_INVALID_SYSTEM_SYSTEMID = 22	System {0} not configured in SAP Landscape Management.
TEMPLATE_ERROR_CODE_INVALID_VIRTUAL_RESOURCE = 23	Virtual host is null or empty.
TEMPLATE_ERROR_CODE_INVALID_VIRTUAL_RESOURCE_VIRTUAL_RESOURCEID = 24	Virtual host {0} not configured in SAP Landscape Management.
TEMPLATE_ERROR_CODE_INVALID_VIRTUAL_RESOURCE_PROVIDER = 25	Virtual host provider cannot be null or empty.
TEMPLATE_ERROR_CODE_INVALID_VIRTUAL_RESOURCE_PROVIDER_VIRTUAL_RESOURCE_PROVIDERID = 26	Virtual host provider {0} not configured in SAP Landscape Management.
TEMPLATE_ERROR_CODE_INVALID_PROPERTY_REFERENCE_ID = 27	Property references {0} are invalid.
TEMPLATE_ERROR_CODE_INVALID_DEPENDENT_PROPERTY_ID = 28	Dependent properties {0} are invalid.
TEMPLATE_ERROR_CODE_TEMPLATE_LOCKED = 29	Template {0} is locked.
TEMPLATE_ERROR_CODE_UNKNOWN = 33	Unknown error occurs while executing the template.

Error Code	Message
TEMPLATE_CANNOT_BE_EXECUTED_WITHOUT_REFERENCE_ID = 34	Template {0} cannot be executed without reference ID.
TEMPLATE_CANNOT_BE_STORED_WITHOUT_REFERENCE_ID = 35	Template cannot be stored without reference ID.
TEMPLATE_CANNOT_BE_STORED_WITH_WRONG_REFERENCE_ID = 36	Passed reference ID {0} is not related to the key these templates secured values were encrypted with.
TEMPLATE_IS_INVALID_FOR_XPATH_EXPRESSION = 37	Template is invalid for a given xpath expression.
TEMPLATE_ERROR_CODE_TEMPLATE_IS_CORRUPTED = 38	Template <name of template> is inconsistent and cannot be executed. Probably some configuration entities are currently not managed by this SAP Landscape Management. For more information, see SAP Note 2170861 .
ERROR_CODE_UNABLE_TO_DELETE_SCHEDULED_TEMPLATE = 63	Failure trying to delete the scheduled template.
ERROR_CODE_OPERATION_TEMPLATE_EXECUTE_ERROR = 64	Failure trying to execute the operation template.
ERROR_CODE_NO_OPERATION_TEMPLATE_WITH_ID_FOUND_ERROR = 65	Unknown operation template.
ERROR_CODE_NO_CUSTOM_PROCESS_WITH_ID_FOUND = 66	Unknown custom process.
ERROR_CODE_CUSTOM_PROCESS_RESOLVE_ERROR = 67	Failure trying to resolve custom process.
ERROR_CODE_NO_ENTITY_WITH_ID_FOUND = 68	Unknown entity.
ERROR_CODE_CUSTOM_PROCESS_EXECUTE_ERROR = 69	Failure trying to execute custom process.
ERROR_CODE_NO_OPERATION_WITH_ID_FOUND_ERROR = 70	Unknown operation.
ERROR_CODE_CHANGEID_LOGGING_NOT_POSSIBLE = 71	Change ID logging failure.
ERROR_CODE_INVALID_VALIDATION_SHORT_NAME = 72	Invalid validation short name.
ERROR_CODE_INVALID_ENTITY_REFERENCE = 73	Invalid entity reference.

2.3 Servlets

This section provides an overview of invoker servlets available for SAP Landscape Management.

You access servlets by using the following:

- Browser
- Script which is capable of performing HTTP-POST calls
- Program which is capable of performing HTTP-POST calls

[Calling the SysDel Servlet \[page 487\]](#)

You call servlet `SysDel` to clean up configuration data.

[Calling the Download Servlet \[page 489\]](#)

You call servlet `Download` to export configuration data.

[Calling the Upload Servlet \[page 491\]](#)

You call servlet `Upload` to import configuration data.

[Calling the Validation Servlet \[page 493\]](#)

You call servlet `Validation` to receive validation and monitoring data.

2.3.1 Calling the SysDel Servlet

You call servlet `SysDel` to clean up configuration data.

Prerequisites

You have configuration permissions.

For more information, search for *Standard Permissions* within the Application Help .

Procedure

1. The servlet operations are secured against Cross-Site Request Forgery (CSRF). Request a token by passing the parameter `getToken` to the servlet as follows: `https://<host>:<port>/LVMMassConfig/SysDel?getToken`

When performing the operation, pass the token returned as input to parameter `token=<token ID>`. The token is valid up to 5 minutes for a single request.

2. Call URL `https://<hostname>:<port>/LVMMassConfig/SysDel` to delete system and host content. To specify the operation, you can use the following parameters:

Operation	URL
Deleting a system including all instances	<code>https://<hostname>:<port>/LVMMassConfig/SysDel?systemId=<SID>&hostname=<registered hostname of system>&token=<token ID></code>
Deleting a database instance	<code>https://<hostname>:<port>/LVMMassConfig/SysDel?serviceSystemId=<ABC>&serviceHostname=<registered hostname of system>&serviceDbType=<database type, possible values: ORA, MSS, DB2, DB4, DB6, INF, SAP, ADA, HDB, SYB>&token=<token ID></code>
Deleting a single instance	<code>https://<hostname>:<port>/LVMMassConfig/SysDel?serviceSystemId=<SID>&serviceHostname=<registered hostname of system>&serviceSystemNumber=<installation number>&token=<token ID></code>
Deleting a single host	<code>https://<hostname>:<port>/LVMMassConfig/SysDel?resourceName=<hostname, FQDN>&deleteInstances=<optional boolean, possible values: true, false>&token=<token ID></code>
Deleting all instances configured	<code>https://<hostname>:<port>/LVMMassConfig/SysDel?serviceSystemId=<ALL>&token=<token ID></code>
Deleting all hosts configured	<code>https://<hostname>:<port>/LVMMassConfig/SysDel?resourceName=<ALL>&token=<token ID></code>
Resetting all configuration data	<code>https://<hostname>:<port>/LVMMassConfig/SysDel?resetAll=<boolean, possible values: true, false>&resetReason=<reason>&token=<token ID></code>

Related Information

[SAP Note 2206968 - Delete System Landscape content of SAP Landscape Management](#) 

2.3.2 Calling the Download Servlet

You call servlet `Download` to export configuration data.

Prerequisites

You have the required permissions to export configuration data, which means, you have at least role `SAP_LVM_READONLY` assigned. For exporting configuration data containing passwords, you must have role `SAP_LVM_SUPERADMIN` assigned.

For more information, search for *Standard Permissions* within the Application Help .

Context

Configuration data is provided as an XML file whose structure is compatible to the export and import functionality in SAP Landscape Management. The data structure is defined through a DTD which must be part of the import content. Both the upload and the download servlet accept HTTP-POST parameters while the download servlet also accepts HTTP-GET parameters.

Procedure

1. The servlet operations are secured against Cross-Site Request Forgery (CSRF). Request a token by passing the parameter `getToken` to the servlet as follows: `https://<host>:<port>/LVMMassConfig/download?getToken`

When performing the operation, pass the token returned as input to parameter `token=<tokenid>`. The token is valid up to 5 minutes for a single request.

2. Call URL `https://<hostname>:<port>/LVMMassConfig/download` to export configuration data. To specify the operation, you use the following parameters:

Table 576:

Parameter Name	Value	Description
<code>exportType</code>	All	Exports all landscape data.
<code>exportType</code>	services	Exports systems and instances including their dependencies.
<code>exportType</code>	resources	Exports hosts including their dependencies.

Parameter Name	Value	Description
exportType	systems	Exports systems including their dependencies.
exportType	instances	Exports instances including their dependencies.
exportType	hosts	Exports hosts including their dependencies.
exportType	networks	Exports networks including their dependencies.
exportType	pools	Exports pools including their dependencies.
exportType	characteristics	Exports characteristics and their corresponding values.
exportType	tasks	Exports tasks including their dependencies.
pwd	<password>	Optional parameter The password used to encrypt passwords of users configured. If you set the parameter <code>useDefaultPwd</code> to true, the <code>pwd</code> parameter entered will be overwritten.
useDefaultPwd	true	Optional parameter To encrypt passwords, the default password defined under Setup Settings will be used. This parameter overwrites parameter <code>pwd</code> .
useDefaultPwd	false	Optional parameter To encrypt passwords, the default password defined under Setup Settings will not be used.

Table 577:

Operation	URL
Download configuration data of a specific host	<code>https://<hostname>:<port>/LVMMassConfig/download?exportType=hosts&hostname=<host>&token=<token ID></code>
Download configuration data of a specific system	<code>https://<hostname>:<port>/LVMMassConfig/download?exportType=system&systemId=<SID>&hostname=<host the system is installed on>&token=<token ID></code>
Download configuration data of a specific instance	<code>https://<hostname>:<port>/LVMMassConfig/download?exportType=instance&systemId=<SID>&hostname=<host the instance is installed on>&instanceNumber=<instance number>&token=<token ID></code>
Download configuration data of a specific database instance	<code>https://<hostname>:<port>/LVMMassConfig/download?exportType=instance&systemId=<SID>&hostname=<host the instance is installed on>&dbType=<database type, possible values: ORA, MSS, DB2, DB4, DB6, INF, SAP, ADA, HDB, SYB>&token=<token ID></code>

Related Information

[SAP Note 1752385 - Upload & download capability of SAP Landscape Management configuration data](#)

2.3.3 Calling the Upload Servlet

You call servlet `Upload` to import configuration data.

Prerequisites

You have the required permissions to import configuration data, that is, you have at least role `SAP_LVM_CONFIGURATOR` assigned.

For more information, search for *Standard Permissions* within the Application Help .

Context

Configuration data is provided as an XML file whose structure is compatible to the export and import functionality in SAP Landscape Management. The data structure is defined through a DTD which must be part of the import content. Both the upload and the download servlet accept HTTP-POST parameters while the download servlet also accepts HTTP-GET parameters.

Procedure





1. The servlet operations are secured against Cross-Site Request Forgery (CSRF). Request a token by passing the parameter `getToken` to the servlet as follows `http://<host>:<port>/LVMMassConfig/upload?getToken`

When performing the operation, pass the token returned as input to parameter `token=<tokenid>`. The token is valid up to 5 minutes for a single request.

2. Call URL `http://<hostname>:<port>/LVMMassConfig/upload` to import configuration data. To specify the operation, you use the following parameters:

Table 578:

Parameter Name	Values	Description
<code>content</code>	<code><data/XML></code>	Data/XML file to be imported.
<code>outputType</code>	HTML	The result is returned in HTML format (default).
<code>outputType</code>	XML	The result is returned in XML format.
<code>mode</code>	<code>overwrite</code>	Optional parameter Overwrites existing data. If the parameter is not set, existing data remains unchanged.
<code>pwd</code>	<code><password></code>	Optional parameter The password used during export/download to encrypt existing user data. If you have set the parameter <code>useDefaultPwd</code> to true, the <code>pwd</code> parameter entered will be overwritten.

Parameter Name	Values	Description
useDefaultPwd	true	Optional parameter To decrypt passwords, the default password defined under Setup  Settings  will be used. This parameter overwrites parameter pwd.
useDefaultPwd	false	Optional parameter To decrypt passwords, the default password defined under Setup  Settings  will not be used.

Related Information

[SAP Note 1752385 - Upload & download capability of SAP Landscape Management configuration data](#) 

2.3.4 Calling the Validation Servlet

You call servlet `validation` to receive validation and monitoring data.

Prerequisites

You have the required permissions to view the state, configuration, activities status, logs of instances, hosts, and virtual hosts, that is, you have at least role `SAP_LVM_READONLY` assigned.

For more information, search for *Standard Permissions* within the Application Help.

Procedure

1. The servlet operations are secured against Cross-Site Request Forgery (CSRF). Request a token by passing the parameter `getToken` to the servlet as follows: `https://<host>:<port>/LVMMassConfig/SysDel?getToken`

When performing the operation, pass the token returned as input to parameter `token=<token ID>`. The token is valid up to 5 minutes for a single request.

- Call URL `https://<hostname>:<port>/LVMMassConfig/Validation` to receive validation and monitoring data. To specify the operation, you can use the following parameters:

Table 579:

Operation	Parameter Name	Value	Description	URL
One validation for all hosts	<code>oneValidationForAllHosts</code>	<code><validator ID></code>	Retrieves all hosts and validations assigned to the validator ID specified.	<code>https://<hostname>:<port>/LVMMassConfig/validation?exportType=oneValidationForAllHosts&id=<validator ID>&token=<token ID></code>
One validation for all hosts	<code>oneValidationForAllHosts</code>	<code><validator name></code>	Retrieves all hosts and validations assigned to the validator name specified.	<code>https://<hostname>:<port>/LVMMassConfig/validation?exportType=oneValidationForAllHosts&id=<validator name>&token=<token ID></code>
One validation for all services	<code>oneValidationForAllServices</code>	<code><validator ID></code>	Retrieves all services and validations assigned to the validator ID specified.	<code>https://<hostname>:<port>/LVMMassConfig/validation?exportType=oneValidationForAllServices&id=<validator ID>&token=<token ID></code>

Operation	Parameter Name	Value	Description	URL
One validation for all services	oneValidationForAllServices	<validator name>	Retrieves all services and validations assigned to the validator name specified.	<code>https://<hostname>:<port>/LVMMassConfig/validation?exportType=oneValidationForAllServices&id=<validator name>&token=<token ID></code>
All validations for one host	allValidationForOneHost	<host name>	Retrieves all validations assigned to the host specified.	<code>https://<hostname>:<port>/LVMMassConfig/validation?exportType=allValidationForOneHost&id=<host name>&token=<token ID></code>
All validations for one service	allValidationForOneService	<entity ID>	Retrieves all validations assigned to the service specified.	<code>https://<hostname>:<port>/LVMMassConfig/validation?exportType=allValidationForOneService&id=<entity ID>&token=<token ID></code>
Monitoring data for host(s)	allMonitoringForOneHost	<host name>	Retrieves monitoring data of the host specified. If the input is empty, all the monitoring data will be displayed. To separate multiple host names, use <code>[,]</code> .	<code>https://<hostname>:<port>/LVMMassConfig/validation?exportType=allMonitoringForOneHost&id=<host name>&token=<token ID></code>

Operation	Parameter Name	Value	Description	URL
Monitoring data for service(s)	allMonitoringForOneService	<entity ID>	Retrieves monitoring data of the service specified. If the input is empty, all the monitoring data will be displayed. To separate multiple entity IDs, use <input type="text" value=","/> .	https:// <hostname>:<port>/ LVMMassConfig/ validation? exportType=allMonitoringForOneService&id=<entity ID>&token=<token ID>

Related Information

[Validations for Landscape Entities](#)

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