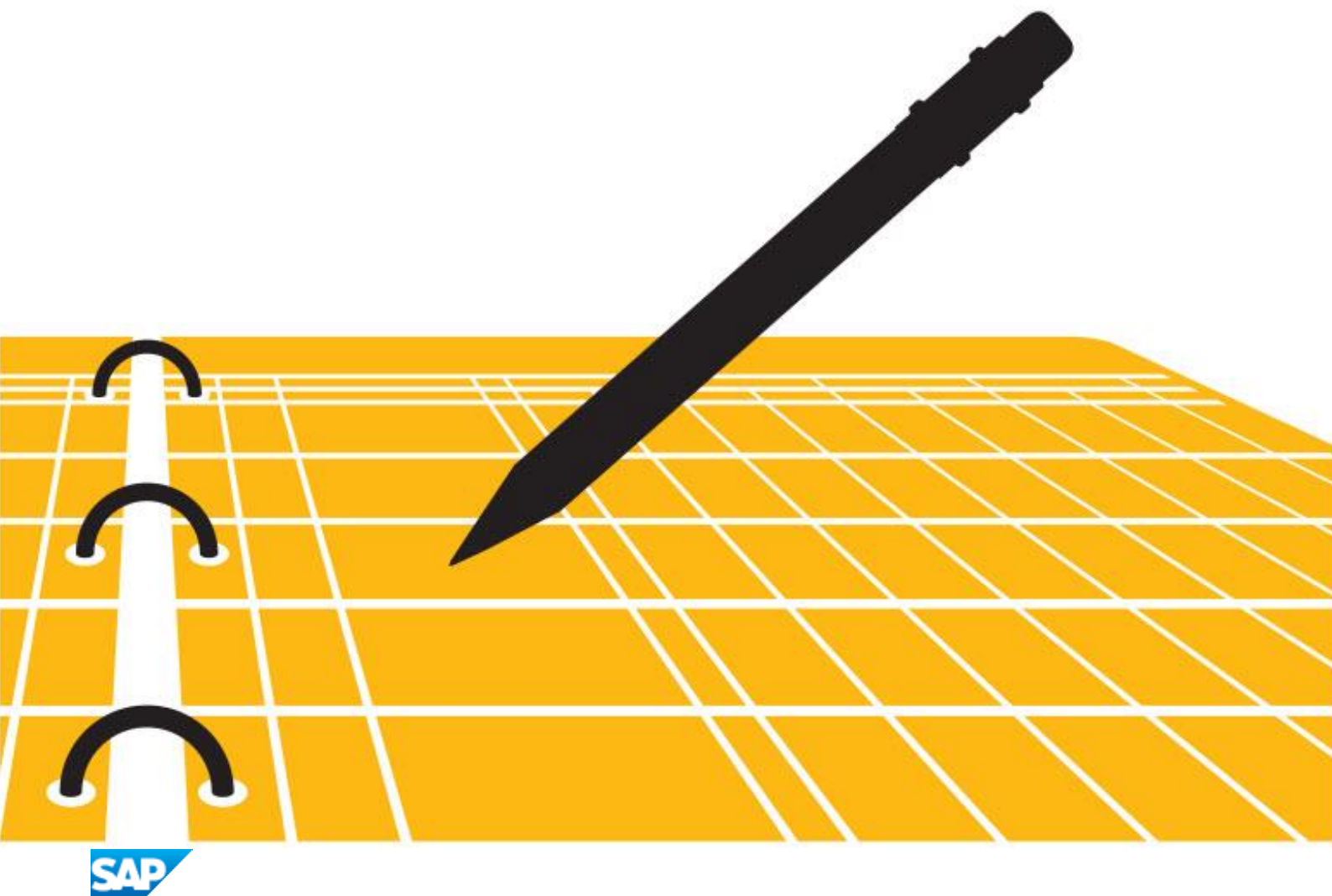


**Administration Guide for
SAP Data Maintenance for ERP by Vistex—Pricing
SAP Data Maintenance for ERP by Vistex—Resources
Release 6.3**



Typographic Conventions

Type Style	Description
<i>Example</i>	Words or characters quoted from the screen. These include field names, screen titles, push buttons labels, menu names, menu paths, and menu options. Textual cross-references to other documents.
Example	Emphasized words or expressions.
EXAMPLE	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
Example	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
Example	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE	Keys on the keyboard, for example, F2 or ENTER .

Document History

Document Version	Date	Comment
1.0	April 1, 2023	Initial version

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1 About This Guide

This guide does not replace the daily operations handbooks that we recommend customers create for their specific production operations.

This guide provides a starting point for the optimal maintenance and operation for following SAP solution extensions by Vistex.

- SAP Data Maintenance for ERP by Vistex—Pricing
- SAP Data Maintenance for ERP by Vistex—Resources

Listed above applications developed in ABAP with its own /IRM/ namespace, the standard SAP Operations Guide should be referenced for most tasks. It can be found in the [SAP Help Portal](#). For information on NetWeaver, please refer to the NetWeaver Guide for SAP NetWeaver 7.5 found at [SAP Help Portal](#).

This guide addresses the following target audience:

- System administrators
- Technical consultants
- Key users

2 Getting Started

Make sure to read the information in this section before you get started with SAP solution extensions by Vistex:

- SAP Data Maintenance for ERP by Vistex—Pricing
- SAP Data Maintenance for ERP by Vistex—Resources

2.1 Glossary of Terms and Abbreviation

Term	Abbreviation	Definition
SAP Data Maintenance for ERP by Vistex—Pricing	DMP	The general business scenario addressed by the solution; a nickname for the solution
SAP Data Maintenance for ERP by Vistex—Resources	DMr	The general business scenario addressed by the solution; a nickname for the solution
SAP solution extensions by Vistex		Any or all of the applications above (PC, IA, DMP and/or DMr) acting as a solution suite

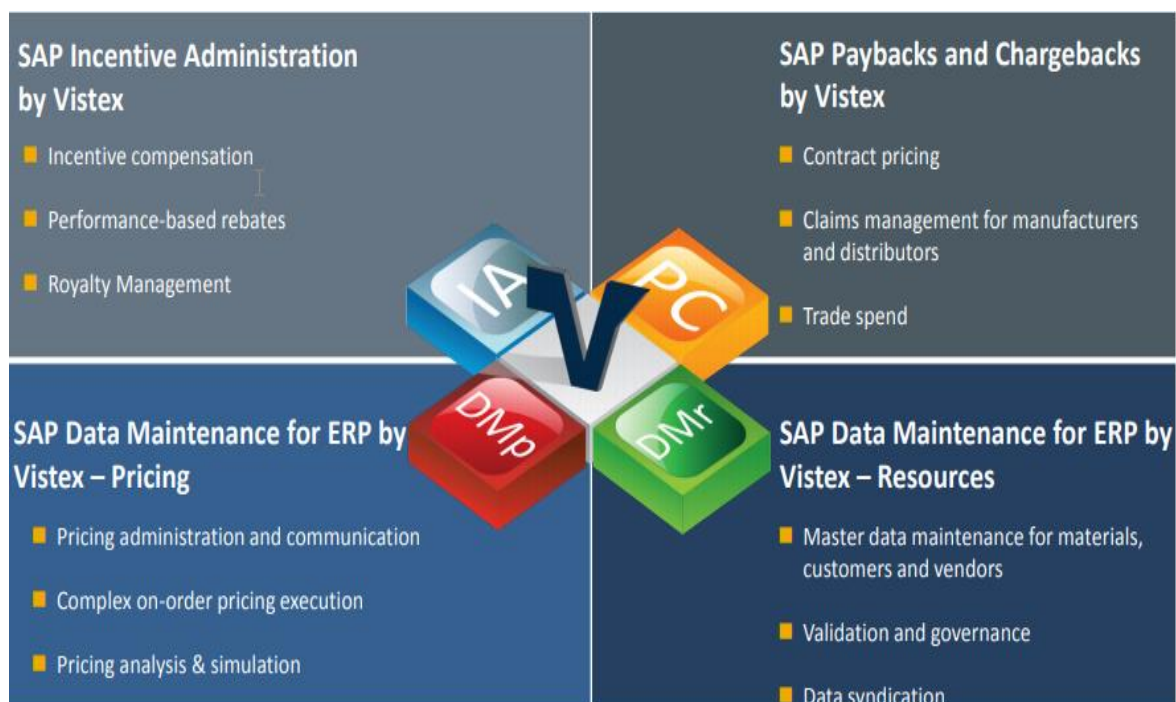
2.2 Useful Links

The following resources provide access to more information about general topics, such as software downloads or customer incidents.

Resource	Where to Find It
User assistance for above listed solutions	SAP Help Portal Revenue Management Solutions & Services - Vistex, Inc
Information about creating customer incidents	Product Support (sap.com)
SAP Notes search	Knowledge Base (sap.com)
SAP Software Download Center	Software Downloads (sap.com)
Product Availability Matrix	Maintenance (sap.com)
SAP solution extensions by Vistex	Solutions for SAP - Vistex, Inc
Early Knowledge Transfer and role-specific learning maps	Get Involved Early (sap.com)
Sizing	Benchmark Sizing SAP
Network security	SAP Help Portal
Performance	Introduction to Performance and Scalability SAP
Information about support package stacks, latest software versions and patch level requirements	SAP Support Package Stacks
Information about Unicode technology	Browse Topics SAP Community

3 SAP solution extensions by Vistex Product Overview

Vistex is a global provider of enterprise solutions and services. Vistex modules utilize the core SAP ERP environment. The software and services provided by Vistex help companies increase revenue and reduce costs with their business partners by managing trade, channel and vendor programs, pricing, performance s and rights & royalties. Optimized by industry and deployed on premise or in the cloud, enterprises are empowered with unprecedented visibility into the full life cycle of program performance through strategy, software, implementation, execution and analytics services. Enterprise software platforms, designed to provide a holistic view of operations and offer opportunities for growth and expansion, appear more constrained. Vistex tips the scale and brings back balance, providing exceptional visibility into the breadth and depth of Go-to-Market programs, enabling businesses with more insightful information.



Companies adept at managing the contract and agreement lifecycle can significantly increase operating income and even turn operating losses into profits. Integrated with your SAP® ERP application, the SAP Incentive Administration application by Vistex and SAP Paybacks and Chargebacks application by Vistex enable the management of rebates, chargebacks, and claims-based programs.

Objectives

- Seize opportunities to recover costs and increase operating income
- Manage complex contracts and agreements with suppliers, manufacturers, and end customers
- Eliminate manual, unstructured processes and practices

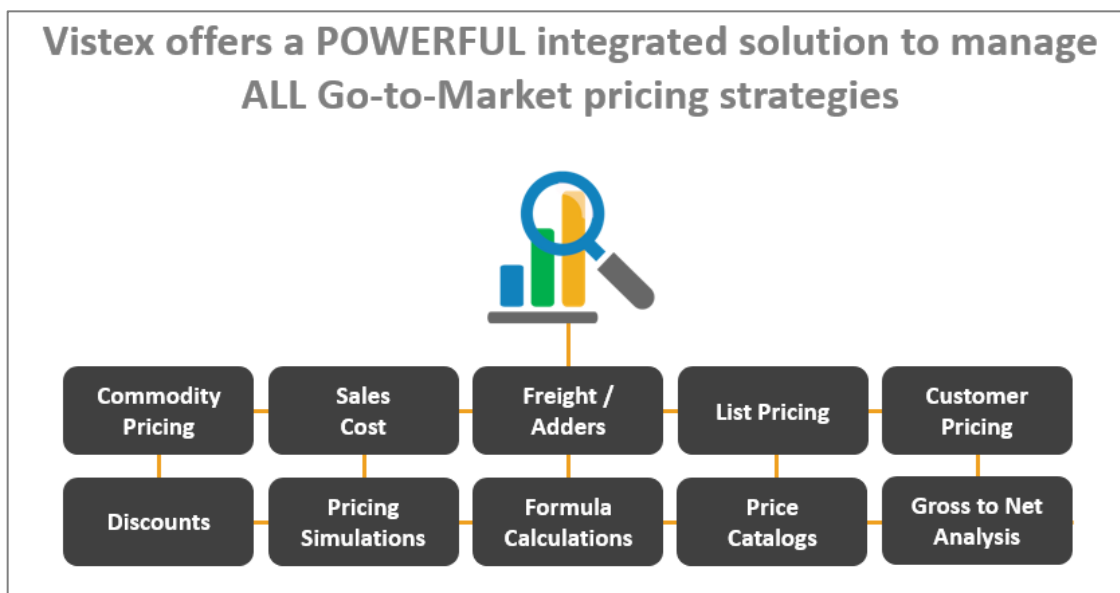
Benefits

- Increased vendor cost recovery with contracts
- Improved process visibility and the ability to share resulting analyses
- Reduced days chargebacks outstanding and vendor disputes with improved monitoring function
- Facilitated compliance with legal requirements and cost recovery policies

3.1 SAP Data Maintenance for ERP by Vistex—Pricing

This section provides an overview of SAP Data Maintenance for ERP by Vistex for Pricing, including relevant business scenarios and technical system landscape:

SAP Data Maintenance for ERP—Pricing is a comprehensive pricing solution that covers everything from agreement initiation to analytics for buy- and sell-side, while retaining the “core” SAP architecture. The solution footprint covers price administration, deal management, price execution and reporting. User-friendly layouts and intuitive functionality allow users to adjust prices without delay, while providing the ability to execute mass pricing updates, automating maintenance, and eliminating hours of manual processes. Key features of DMP is usability: wizards (Data Maps); dashboards, “what - if” scenarios, load external data. For government reporting purposes, it is critical that the system be able to calculate and report the following price types as required by the Centers for Medicare & Medicaid Services (CMS) and the Veterans Administration.



- Price maintenance is delivered in standard when the price sheets are maintained. Classic Price Maintenance is used to maintain one price sheet at a time
- Approve and validate pricing systematically without duplication
- Gain full visibility from time of ale into deal management with multiple products
- Analyze margin of products or agreements
- Create price proposals for review and publishing

3.1.1 Definitions

Visibility and in-depth analysis of pricing strategies to support planning and growth. Critical component(s) of effective Revenue Management include the ability to articulate and gain control of go-to-market programs, sync different elements, optimize margin, and reduce revenue leakage. The objective is to charge the right price at the right time and give credits and rebates when needed to customers.

Price Management	Contract Management
Revenue Management	Profit Optimization
Price Policies	Direct & Indirect Price Controls
Government Pricing	Value of Transaction Pricing

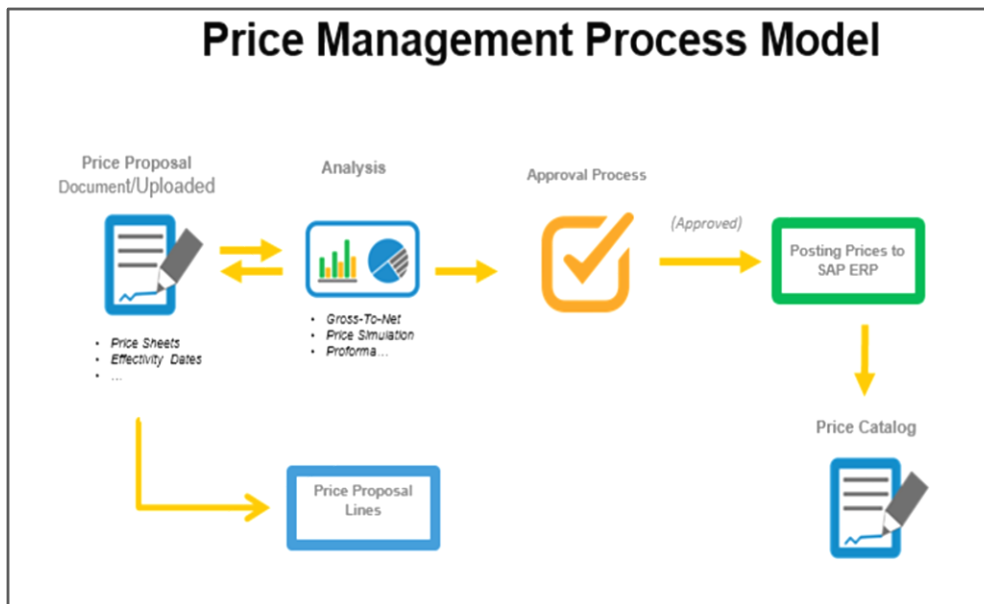
3.1.2 Common Industry Terms

Pricing Sheet	A combination of a condition type (such as price, discount, or surcharge) and a condition table (the fields that form the key for a condition record) for an application (sales or purchasing). Price sheets must be defined during configuration before condition records can be created and stored on each price sheet within DM Pricing.
Dynamic Pricing	Customer-defined condition tables are limited in number. To increase the number of pricing tables that can be defined, create dynamic pricing tables (and create fields to be assigned to the table) in configuration. A dynamic price sheet then is flagged as being maintained using dynamic pricing.
Price Policy	Price policies calculate thresholds for pricing exceptions and generate warnings when a price requirement on a price sheet has been violated. Price policies can be set to auto execute when price records are created, or they can be called on demand.
Classic Maintenance	Classic maintenance is the simplest maintenance method used to create, change, and display condition records. DM Pricing's pricing maintenance offers the ability to create, maintain, and display conditions in an easy-to-use, Excel-like centralized view, giving you greater control for mass changes. When using classic maintenance, saved pricing data instantly becomes accessible by all SAP ECC Sales and Purchasing transactions.
Price Proposal	Initiated to request approval for the creation of condition records.
Profile-based Maintenance	Utilizes the price profiles created during configuration to control how pricing information is fetched and displayed during maintenance activities.

3.1.3 Industries with Data Maintenance Pricing Scenarios

Life Science	Pharma
Food Service	Wholesale Distribution
Retail	Manufacturing

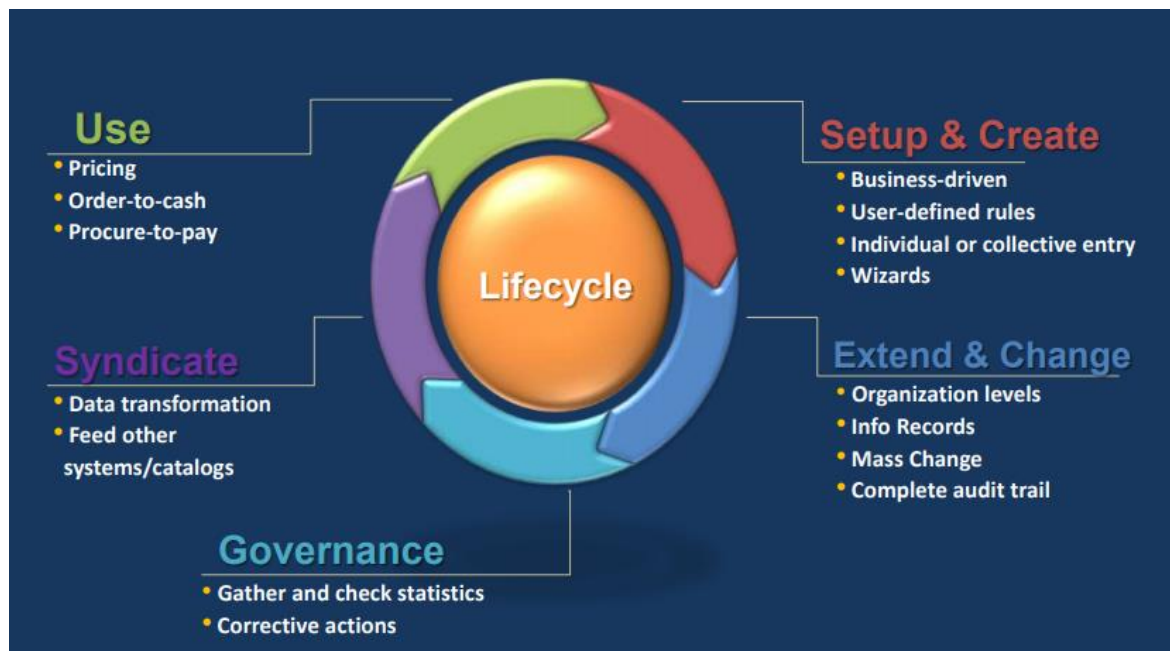
3.1.4 Data Maintenance Pricing Process Models



3.2 SAP Data Maintenance for ERP by Vistex—Resources

This section provides an overview of SAP Data Maintenance for ERP by Vistex for Resources, including relevant business scenarios and technical system landscape:

SAP Data Maintenance for ERP—Resources empower the maintenance of vital product, customer, and vendor data in the SAP ERP application. Leveraging an intuitive user interface, you can interact with, and manage, your integral data. SAP Data Maintenance Resources provides a single-entry, centralized data repository for all your data, reducing manual errors and increasing data efficiency. Now it's easier than ever to apply rules for data validation and governance, execute mass changes, and process future effectivity date changes. Key Features of DMr: data transformation to feed other systems and catalogs. Describe your project from a business point of view, including key features and business benefits. If you describe business scenarios in detail, add one section per business scenario as required.



- Easily copy and extend data across customer, material (plants, ales distribution centers, etc.), and vendors
- Enables the creation and delivery of mass changes to master data
- Validate compliance and governance with a full audit trail and approval processes
- Maintain future dated changes
- Boost productivity with automated tools and an intuitive interface

3.2.1 Definitions

DMr is used to increase business performance with actionable insights from your master data.

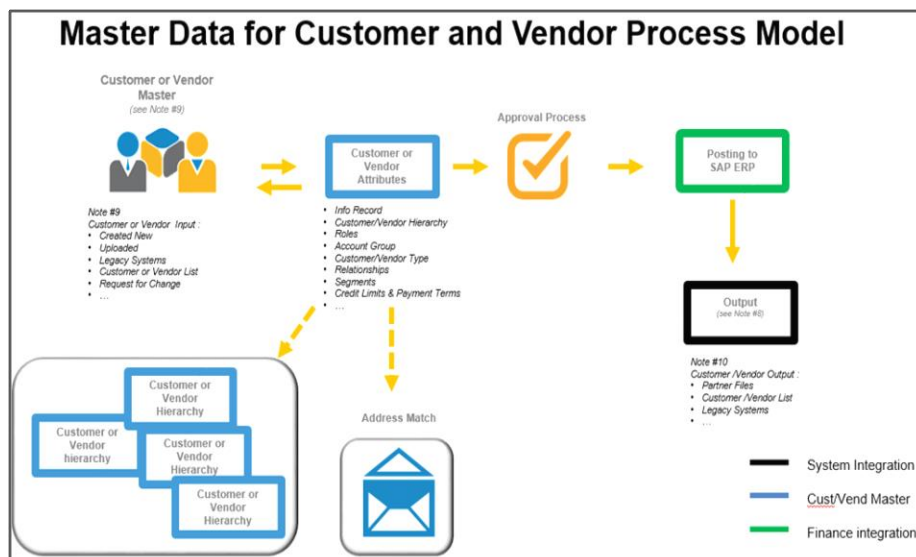
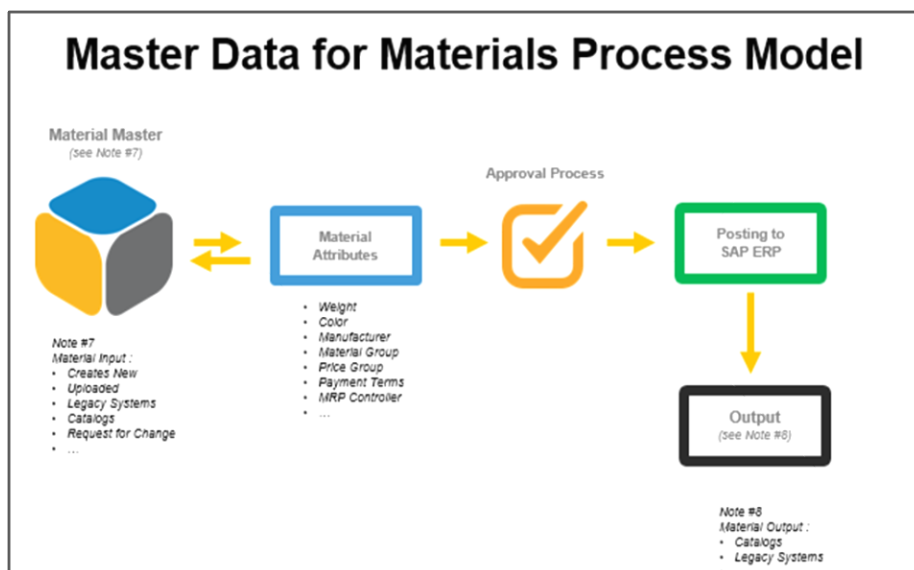
3.2.2 Common Industry Terms

Order-to-cash	Procure-to-pay
Systems/catalogs	Mass Change
Audit trail	Data Information

3.2.3 Industries with Data Maintenance Resources Scenarios

Life Science	Consumer Products
Food Service	Wholesale Distribution
Retail	Manufacturing

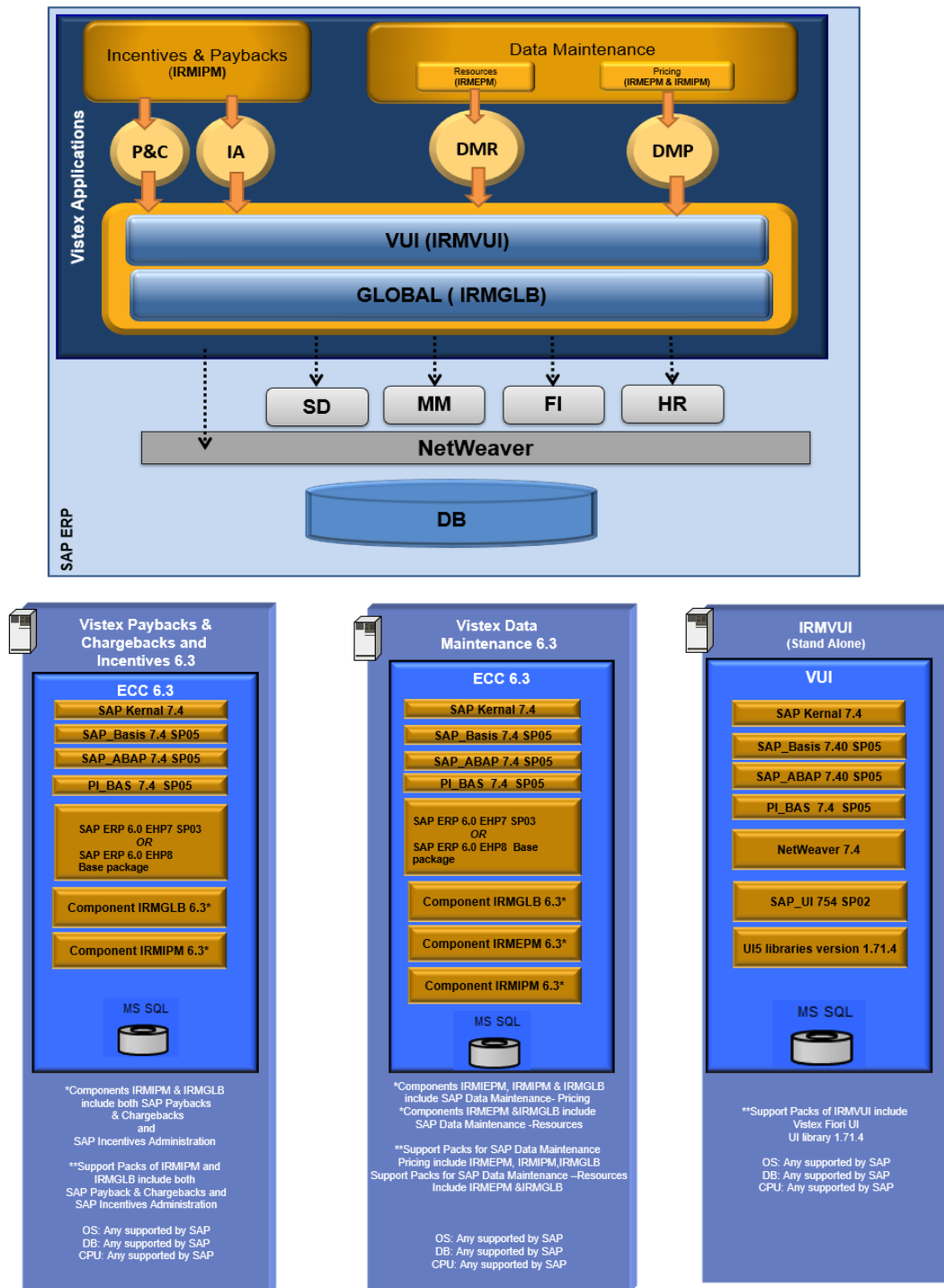
3.2.4 Data Maintenance Resources Process Models



4 Technical System Landscape

This section describes the technical system landscape and the software components involved. The following figure provides an overview of the system landscape for SAP solution extensions by Vistex.

SAP solution extensions by Vistex consists of various technical components, each representing one or more business functions described in this guide.



5 Preparation Planning

5.1 Overview of Technical Runtime Scenarios

From a microeconomic perspective, a business scenario is a cycle that consists of several different logical processes interconnected in time. Typically, a business scenario includes several company departments and involves other business partners.

Software Component	Required or Optional
IRMGLB	Required
IRMEPM	Required
IRMVUI	Optional

5.2 Release Minimum Requirements

From a technical point of view, SAP solution extensions by Vistex business scenarios need SAP ECC to run. The application is support pack(s) and enhancement pack(s) independent. A business scenario is a unit that can be implemented separately and reflects the customer's prospective course of business. You need to ensure that your system is exactly on the following release level:

You need to ensure that your system is on one of the following minimum release levels:

➤ **On the ERP system, if using Fiori Minimum Requirements are:**

- **Minimum Requirements for ECC: IRMGLB, IRMIPM, and IRMEPM are:**

SAP ERP 6.0 EHP7 SP03

or

SAP ERP 6.0 EHP8 Base package

- **FIORI Minimum Requirements**

SAP_UI 754, SP02 & Minimum UI5 libraries 1.71.4

*** Please note that ViZi standard functions are only supported when on NetWeaver (SAP_BASIS) level of 7.40 SP12 or higher

- **Standalone FIORI server**

Minimum SAP_UI 754, SP02 and Minimum UI5 libraries 1.71.4

*** Please note that the following ViZi functions require a minimum SAP_UI Version of 755 SP2 and Minimum UI5 libraries 1.84.21

- **Bulk Amendments**
- **Self-service reporting**

5.3 Implementation

Please refer to the Installation Note and Installation procedure for SAP solution extensions by Vistex for SAP ERP on release 6.3 and support packs under release 6.3.

5.4 Overview of Important SAP Notes

The following SAP Notes are essential for installing, upgrading, migrating, and operating SAP solution extensions by Vistex for SAP ECC ERP:

SAP Note	Description
3312793	Master Install – Upgrade for Vistex Incentives and Paybacks & Data Maintenance release 6.3
3312791	Vistex IP & DM Module Upgrade to Release 6.3 for ECC 6.0 with EHP7 and higher
3312829	Vistex Conversion Programs for the IP & DM Module Upgrade to Release 6.3
3312803	Vistex IP & DM 6.3 Technical Installation for ECC 6.0 with EHP7 and higher

Note

The SAP Notes relevant for installation and upgrade are also listed in the respective sections in this guide. Ensure you have the latest version of each SAP Note, which is available on SAP Support Portal at [Knowledge Base \(sap.com\)](https://knowledge.sap.com). Notes are frequently updated.

For additional information, refer to SAP product help portal [SAP Help Portal](#) and Vistex [Support Solutions for SAP - Vistex, Inc.](#)

6 Installing SAP solution extensions by Vistex

For detailed installation information refer to SAP product help portal [SAP Help Portal](#) and Vistex [Support Solutions for SAP - Vistex, Inc.](#)

6.1 Pre-Installation Tasks

This section describes tasks that must be completed before you begin installation of SAP ECC ERP for SAP solution extensions by Vistex.

Download the following Vistex Add-on Installation packages and Support Packages from [SAP Support Portal Home](#).

Installation Tools:

Standard SAP add-on installation tools such as SAINT (for installation) and SPAM (for Support Packages) should be used for loading the solution into your system.

For detailed information on installation please refer to SAP notes listed above.

6.2 Post-Installation Tasks

This section describes tasks that should be completed after you've finished installing SAP solution extensions by Vistex.

Note

None. Currently no post-processing is necessary.

6.3 HELP Documentation

Help documentation is available online at [Welcome to Vistex Help Portal - Vistex, Inc](#) or [SAP Support Portal Home](#).

6.4 Related Documents

Refer to the “Release Summary” document by Vistex which is available on the Vistex company website. Customers may subscribe to receive the Release Summary document for each new release.

- Go to [Revenue Management Solutions & Services - Vistex, Inc.](#)
- Choose “Services” > “Customer Support” menu option
- Click “SAP Solutions Support” icon
- Scroll to the bottom of the page and fill out the form

6.5 Explanation of Vistex Licenses

Each Vistex add-on solution for SAP ECC ERP is licensed separately. The solution add-ons will be available from the [Software Downloads - SAP ONE Support Launchpad](#) download site according to the customer's licensing agreement. For missing solutions add-ons, please contact the customer's SAP account executive.

6.6 Getting Support

If you encounter any problems with SAP solution extensions by Vistex, report an incident on SAP Support Portal. To report an incident, go to SAP Support Portal at [Software Downloads - SAP ONE Support Launchpad](#). The relevant component of each solution.

If you experience an issue with your Data Maintenance software, please first look for applicable SAP Notes as the issue may already be known and resolved. Search the SAP Note listing in the VOICE section of the website (Notes are cataloged by Release/Support Package level)

If you are unable to find an SAP Note to resolve the issue, please open a customer message with SAP under the component XX-PART-DTM.

All support and remote support tools are available as per the standard SAP service contract. Remote support is provided by SAP (and/or Vistex) via SAP Solution Manager, and the standard SAP support roles can be used for the support activities. Please refer to Vistex Installation Guide.

Vistex offers a wide range of support programs to meet the ongoing needs of our customers. Expertly trained support service teams are available to your teams around the globe.

General Inquiries:

[General Inquiry - Vistex, Inc](#)

Our Support Team is expertly trained on Vistex applications and can assist customers to optimize the condition and performance of Vistex solutions. We engage in long-term relationships with our customers, coming alongside your IT teams to generate maximum operational health of Vistex solutions.

Software Package	Support is Provided Through	Use Component
Data Maintenance	SAP Service Marketplace Customer Message Channel	XX-PART-DTM
Government Pricing	SAP Service Marketplace Customer Message Channel	XX-PART-DTM
Cash Application	Email	

For customers that require service and support for tailored/custom solutions, please visit our [Services](#) page.

6.7 Constraints

None

7 Configuring SAP Data Maintenance for ERP by Vistex—Pricing

Scenario

The Data Maintenance Pricing (DMP) allows condition records to be created, changed, and displayed to optimize the entry and maintenance for pricing records related to the business processes. The Price Proposal provides users a means to review changes prior to being posted in Fiori. In this use case, the pricing records will be changed and created, before the records are saved as a Price Proposal. Then, the Price Proposal will be posted from the new DMP Price Proposal Fiori interface.

DISCLAIMER: *The scenario described in the procedure steps below reflects the use of strictly example configuration.*

7.1 To navigate to Data Maintenance Pricing IMG

/N/IRM/GPRSPRO

7.2 Pricing

7.2.1 Navigate to either Pricing Role or GPRSPRO

/IRM/GPRICING_ANALYST - Pricing Analyst

7.2.2 Price Record Number Range

Go to **/N/IRM/GPRSPRO → Global Settings → Define Number Ranges for Price Records**

7.2.3 Price Proposal Number Range

Go to **/N/IRM/GPRSPRO → Global Settings → Define Number Ranges for Price Proposals**

7.2.4 Price Sheet

Go to **/N/IRM/GPRSPRO → General Maintenance → Price Sheets → Define Price Sheets**

7.2.5 Price Proposal Type

Go to **/N/IRM/GPRSPRO → Documents → Price Proposal → Define Price Proposal Types**

7.3 Configure Deal Type

7.3.1 Configure Pricing Elements (pricing sheets) (refer above)

7.3.2 Configure Condition Tables (refer above)

7.3.3 Review Access Sequences (refer above)

7.3.4 Define Condition Types (refer above)

/N/IRM/IPSPRO>Basic Functions → Pricing - Sales → Pricing Control → Define Condition Types

7.3.5 Create Additional Price Fields (refer above)

7.3.6 Define Price Sheets (refer above)

7.3.7 Maintain Additional Data for Condition Types

/N/IRM/IPSPRO >Basic Functions → Pricing - Sales → Pricing Agreements → Maintain Additional Data for Condition Types

7.4 Define Sales Deal

/N/IRM/GPRSPRO >Deals → Setup Deals → Define Deals> Define Sales Deal Types

7.5 Configure Options for Vistex Deal

/N/IRM/GPRSPRO > Define Objectives and Tactics by selecting Deals → Define Objectives and Tactics

7.6 Configure Status Profile

Basic Functions → Define Status Profile

7.7 Define Vistex Deal Type

/N/IRM/GPRSPRO > Deals → Maintain Deal Types

7.8 Configure Deal Request

7.8.1 Define Deal Request Types

Deals → Setup Deals → Define Deal Request Types

7.9 Configure a Flexible Group

7.9.1 Define Flexible Group Types

/N/IRM/GPRSPRO > Select Basic Functions → Flexible Groups

7.9.2 Create Sales Orders

Refer to SAP

7.10 Sets Widget – a UI usability improvement

IPSPRO ->Basic functions -> Pricing -> Sales- Pricing Agreements -> Maintain IP Agreement Types -> Sales -> Setup Agreements -> Agreement Rules -> Define Sets and Dimensions

7.11 Added where-used list in global sets

7.11.1 Define Sets

IPSPRO -> Basic functions -> Pricing -> Sales -> Pricing Agreements -> Maintain IP Agreement Types -> Sales -> Setup Agreements -> Agreement Rules -> Define Sets and Dimensions

7.12 Remove local Sets/Local Flexible group

IPSPRO -> Basic functions -> Pricing -> Sales -> Pricing Agreements -> Maintain IP Agreement Types -> Sales -> Setup Agreements -> Agreement Rules -> Define Sets and Dimensions

8 Configuring SAP Data Maintenance for ERP by Vistex—Resources

Scenario

Accurate maintenance Master Data is vital to running a successful business. The Vistex Data Maintenance Resources solution is a single source to maintain Customer, Vendor and Material Master Data as well as Info Records.

DISCLAIMER: *The scenario described in the procedure steps below reflects the use of strictly example configuration.*

8.1 Navigate to Data Maintenance resources IMG

/N/IRM/EPSPRO

8.2 To configure a material

8.2.1 Maintain Material Levels

Data Maintenance (Resources) → Materials → Review Maintained Levels

8.2.2 Maintain Material Category

Data Maintenance (Resources) → Materials-> Maintain Material Category

8.2.3 Maintenance Level Profiles

Data Maintenance (Resources) →Materials→ Define Maintenance Level Profiles

8.2.4 Maintain Material Source.

Data Maintenance (Resources) >Materials > Material Workbench > Maintain Material Source

8.2.5 Review Posting Blocks

Data Maintenance (Resources) >Materials >Material Workbench > Maintain Posting Block

8.2.6 Create Material Attributes

DM Material > Material Attributes > Material Attribute Workbench

8.2.7 Create Material Attribute Group

DM Material > Material Attributes > Material Attribute Group Workbench

8.2.8 Create Product Type

DM Material > Data Maintenance (Resources) IMG >Materials >Material Workbench > Define Product Types

8.2.9 Create a Material

DM Materia > Material Workbench

8.2.10 Create an Attribute Rule

DM Material > Material Attributes >Material Attribute Rule Workbench

8.2.11 Create an Attribute Set

DM Material > Material Attributes > Material Attribute Set Workbench

8.2.12 Create the List Type

DM Material > Data Maintenance (Resources) IMG > Materials > Material List > Define Material List Types

8.2.13 Configure Data Flow

/N/IRM/EPKUM or select DM Customer → Customer Workbench

8.2.14 Create a Data Flow

/N/IRM/EPPDDFM or DM Material → Extras → Material Data Flow

8.3 Navigate to Customer Workbench

/N/IRM/EPKUM or select DM Customer → Customer Workbench

8.3.1 Create Customer Attributes

/N/IRM/EPKUM or select DM Customer → Customer Workbench

8.3.2 Maintenance of Customer Communication fields via Dashboard

T- code ***/IRM/EPKU10***

8.3.3 Set up Maintenance Levels

Data Maintenance (Resources) > Customer > Review Maintained Levels

8.3.4 Set up Customer Category

Data Maintenance (Resources) > Customer > Maintain Customer Categories

8.3.5 Set up Profiles

Data Maintenance (Resources) > Customer > Define Maintenance Views

1 Note

To configure the rest of the steps, R\refer to Material configuration steps.

8.4 Navigate to Vendor Workbench

/N/IRM/EPLIM or select DM Vendor → Vendor Workbench

1 Note

Repeat all above steps to configure vendor.

9 Security Information

This section deals with security topics relevant for following SAP Solution Extensions by Vistex for SAP ERP 6.3:

- SAP Data Maintenance for ERP by Vistex—Pricing
- SAP Data Maintenance for ERP by Vistex—Resources

Since SAP solution extensions by Vistex are an embedded SAP Add-ons, standard SAP security authorizations are utilized. This includes communication security, user management and authentication concept, logging configuration for security relevant events. Security can be done at a transaction level as well as a field level. Please refer to SAP security guides found on the [SAP Help Portal](#).

9.1 User Management

This section provides an overview of how you manage and authenticate users in following SAP solution extensions by Vistex:

- SAP Data Maintenance for ERP by Vistex—Pricing
- SAP Data Maintenance for ERP by Vistex—Resources

SAP solution extensions by Vistex use the user management and authentication mechanisms provided by SAP for NetWeaver 7.4 and support packages. SAP solution extensions by Vistex use the standard functionality of SAP NetWeaver for user management, such as creating users with transaction SU01 and creating and using roles with transaction PFCG. For more information on user management, see SAP Help Portal at <http://help.sap.com/nw75> Security Guide User Administration and Authentication User Management. The security recommendations and guidelines for user administration and authentication are described in chapter 4 of the SAP Operations Guide found at [SAP Help Portal](#).

9.2 User Administration Tools

SAP solution extensions by Vistex are embedded solutions and utilize the standard SAP user administration tool for which documentation can be found at [SAP Help Portal](#). The User Administration Tools recommendations and guidelines for user administration and authentication are described in chapter 4 of the SAP Operations Guide found at [SAP Help Portal](#).

9.3 User Data Synchronization

SAP solution extensions by Vistex use the supports the Single Sign-On (SSO) mechanisms provided by SAP NetWeaver. Therefore, the security recommendations and guidelines for user administration and authentication as described in the SAP NetWeaver Security Guide also apply. Refer to standard SAP Operation Guide.

9.4 Authentication and Single Sign-On

This section describes how authentication and single sign-on for users are implemented in SAP solution extensions by Vistex.

SAP solution extensions by Vistex support the Single Sign-On (SSO) mechanisms provided by SAP NetWeaver. Therefore, the security recommendations and guidelines for user administration and authentication as described in the SAP NetWeaver Security Guide also apply.

9.5 Standard Roles and Authorization Concept

SAP solution extensions by Vistex are embedded SAP Add-On solutions, therefore, utilize standard SAP concepts and uses the authorization concept provided by the SAP NetWeaver AS ABAP or AS Java.

The SAP NetWeaver authorization concept is based on assigning authorizations to users based on roles. For role maintenance, use the profile generator (transaction PFCG) on the AS ABAP and the User Management Engine's user administration console on the AS Java.

9.6 ACGR Roles

ACGR roles listed below provide all of the necessary SAP solution extensions by Vistex transactions for an individual to manage the applicable master data within their system. The "Display Only" roles are read only roles, and as such do not allow create or change access to the data.

ACGR Role	Description	Module
/IRM/GPRICING_ANALYST	Pricing Analyst	DMp
/IRM/FD_CUSTOMER_ANALYST	Customer Analyst	DMr
/IRM/FD_MATERIAL_ANALYST	Material Analyst	DMr
/IRM/FD_VENDOR_ANALYST	Vendor Analyst	DMr

ACGR Role	Description	Module
/IRM/GPRICING_DISPLAY	Pricing Analyst	DMp
/IRM/FD_CUSTOMER_DISPLAY	Customer Analyst	DMr
/IRM/FD_MATERIAL_DISPLAY	Material Analyst	DMr
/IRM/FD_VENDOR_DISPLAY	Vendor Analyst	DMr

9.6.1 SAP Data Maintenance for ERP by Vistex -Pricing and SAP Data Maintenance for ERP by Vistex - Recourses

The section lists the security-relevant authorization objects that are used by SAP Data Maintenance by Vistex for SAP S/4HANA.

Since SAP Data Maintenance by Vistex is an embedded SAP Add-on, standard SAP security authorizations are utilized. This includes communication security, user management and authentication concept, logging configuration for security relevant events. Security can be done at a transaction level as well as a field level. Please refer to the security guides found on the [SAP Help Portal](#). The following roles are delivered:

Object	Short Text
V_EP_SICHT	Authority Check by Class Type and Organizational Area
V_EP_BPTYP	Authorization for Business Partner Type
V_EP_KUHIE	Authorization for Customer Hierarchy Assignment
V_EP_PDKUI	Authorization for Customer Info Record
V_EP_KULML	Authorization for Customer List Maintenance Level
V_EP_KULTY	Authorization for Customer List Type
V_EP_KUMLV	Authorization for Customer Maintenance

V_EP_KUTOI	Authorization for Customer Trade Record
V_EP_KUTYP	Authorization for Customer Type
V_EP_JAGRP	Journal Authorization Group assigned to Collection IDs
V_EP_LIHIE	Authorization for Vendor Hierarchy Assignment
V_EP_PDLII	Authorization for Vendor Info Record
V_EP_LILML	Authorization for Vendor List Maintenance Level
V_EP_LILTY	Authorization for Vendor List Type
V_EP_LIMLV	Authorization for Vendor Maintenance Level
V_EP_LITOI	Authorization for Vendor Trade Record
V_EP_LITYP	Authorization for Vendor Type
V_EP_PDLML	Authorization for Material List Maintenance Level
V_EP_PDLTY	Authorization for Material List Type
V_EP_PDMLV	Authorization for Material Maintenance Level
V_EP_PDTYP	Authorization for Product Type
V_EP_STTYP	Authorization for Structure Type
V_EP_PDTOI	Authorization for Trade Info Record

These roles provide the necessary SAP Data Maintenance by Vistex transactions for an individual to manage the applicable master data within their system. (i.e., The Customer Analyst role makes available all of the appropriate customer creates, change, and follow-on functions that revolve around the customer master.) Read only roles are also provided. These roles allow a user to have safe remote access to the SAP GUI. All roles that end in "DISPLAY" will provide this functionality.

Additional authority objects are embedded within the Vistex transactions. Each role will need the related authority objects assigned with the proper values. These authority objects are listed below by role.

Roles /IRM/FD_CUSTOMER_ANALYST and /IRM/FD_CUSTOMER_DISPLAY:

Object	Short Text
V_EP_SICHT	Authority Check by Class Type and Organizational Area
V_EP_BPTYP	Authorization for Business Partner Type
V_EP_KUHIE	Authorization for Customer Hierarchy Assignment
V_EP_PDKUI	Authorization for Customer Info Record
V_EP_KULML	Authorization for Customer List Maintenance Level
V_EP_KULTY	Authorization for Customer List Type
V_EP_KUMLV	Authorization for Customer Maintenance
V_EP_KUTOI	Authorization for Customer Trade Record
V_EP_KUTYP	Authorization for Customer Type
V_EP_KUD	Authorization for Customer Domains
V_EP_KUDF	Customer Data Flow Authorization Group
V_EP_JAGRP	Journal Authorization Group assigned to Collection IDs
V_EP_BPTYP	Authorization for Business Partner Type
V_EP_KUFPA	Customer Facet Profile Authorization Group
V_EP_KUFVA	Customer Facet View Authorization Group
V_EP_KUFA	Customer Facet Authorization Group
V_EP_KUDOA	Authorization for Organization Area Per Customer Domain
V_EP_KUD	Authorization for Customer Domains
V_EP_KUDF	Customer Data Flow Authorization Group

V_EP_ATSET	Attribute Set Authorization Group
V_EP_BPTYP	Authorization for Business Partner Type
V_EP_INT	Index Table Authorization Group
V_EP_INTP	Index Table Profile Authorization Group

Roles /IRM/FD_VENDOR_ANALYST and /IRM/FD_VENDOR_DISPLAY:

Object	Short Text
V_EP_SICHT	Authority Check by Class Type and Organizational Area
V_EP_BPTYP	Authorization for Business Partner Type
V_EP_LIHIE	Authorization for Vendor Hierarchy Assignment
V_EP_PDLII	Authorization for Vendor Info Record
V_EP_LILML	Authorization for Vendor List Maintenance Level
V_EP_LILTY	Authorization for Vendor List Type
V_EP_LIMLV	Authorization for Vendor Maintenance Level
V_EP_LITOI	Authorization for Vendor Trade Record
V_EP_LITYP	Authorization for Vendor Type
V_EP_JAGRP	Journal Authorization Group assigned to Collection IDs
V_EP_LIOAR	Authorization for Organization Area Per Vendor Type
V_EP_LIPAR	Authorization for Process Area Per Vendor Type

Roles /IRM/FD_MATERIAL_ANALYST and /IRM/FD_MATERIAL_DISPLAY:

Object	Short Text
V_EP_SICHT	Authority Check by Class Type and Organizational Area
V_EP_BPTYP	Authorization for Business Partner Type
V_EP_PDLML	Authorization for Material List Maintenance Level
V_EP_PDLTY	Authorization for Material List Type
V_EP_PDMLV	Authorization for Material Maintenance Level
V_EP_PDTYP	Authorization for Product Type
V_EP_STTYP	Authorization for Structure Type
V_EP_PDTOI	Authorization for Trade Info Record
V_EP_JAGRP	Journal Authorization Group assigned to Collection IDs
V_EP_PDDF	Material Data Flow Authorization Group
V_EP_PDDML	Authorization for Material Domain Maintenance Level
V_EP_PDFFA	Material Facet Profile Authorization Group
V_EP_PDFVA	Material Facet View Authorization Group
V_EP_PDLML	Authorization for Material Domain Maintenance Level
V_EP_PDDOA	Authorization for Organization Area Per Material Domain
V_EP_PDFFA	Material Facet Profile Authorization Group
V_EP_PDFVA	Material Facet View Authorization Group
V_EP_MTART	Authorization for Material Types
V_EP_PDAGP	Material Authorization Group
V_EP_PDDF	Material Data Flow Authorization Group

9.6.2 Critical Combinations

This section describes any critical combinations of roles and authorizations in SAP solution extensions by Vistex.

There are no known critical combinations.

9.7 Network and Communication Security

9.7.1 Network topology and communication protocols

This section provides an overview of the network topology and communication protocols used by SAP solution extensions by Vistex.

SAP solution extensions by Vistex are an embedded SAP Add-Ons for SAP S/4HANA. The network topology for SAP solution extensions by Vistex is based on the topology used by SAP NetWeaver 7.5. The security guidelines and recommendations described in the security guide for SAP NetWeaver 7.5 also apply to SAP solution extensions by Vistex.

9.7.2 Internet Communication Framework (ICF) Security

This section describes how SAP solution extensions by Vistex use Internet Communication Framework (ICF) services.

Only activate those services that are needed for the applications running in your system. The following services are needed for SAP solution extensions by Vistex:

Purpose	Hierarchy Type	Node(s)	Path
Communication Node	SERVICE	/VUI/APP	/default_host/sap/vui
Utility Nodes	SERVICE	/VUI/GLNPM, /VUI/GATDNL, /VUI/GUTILS	/default_host/sap/bc/bsp/vui, /default_host/sap/bc/ui5_ui5/vui
Application Nodes	SERVICE	/VUI/IPAGM, /VUI/GCRM, /VUI/IPARM, /VUI/IPCIM, /VUI/IPMXM, /VUI/IPMXPM. /VUI/IPCIM, /VUI/IPCITM and /VUI/IPPQM Activate other nodes as needed during implementation of Vistex functions according to project requirements.	/default_host/sap/bc/bsp/vui, /default_host/sap/bc/ui5_ui5/vui
DMr specific	SERVICE	/VUI/EPKULM, /VUI/EPLILM, and /VUI/EPPDLM.	

Use the transaction `SICF` to activate these services.

If your firewall(s) use URL filtering, also note the URLs used for the services and adjust your firewall settings accordingly.

For more information, see the available user assistance for SAP NetWeaver. To find the relevant documents, go to SAP Help Portal at [SAP NetWeaver - SAP Help Portal](#) and open the product page for your SAP NetWeaver release. Search for *activating and deactivating ICF services and ICF security*.

Use the transaction `SICF` to activate these services.

If your firewall(s) use URL filtering, also note the URLs used for the services and adjust your firewall settings accordingly.

For more information, see the available user assistance for SAP NetWeaver. To find the relevant documents, go to SAP Help Portal at [SAP NetWeaver - SAP Help Portal](#) and open the product page for your SAP NetWeaver release. Search for **activating and deactivating ICF services** and **ICF security**.

9.8 Data Protection and Privacy

This section provides information about how SAP solution extensions by Vistex comply with data protection requirements.

Data protection is associated with numerous legal requirements and privacy concerns. In addition to compliance with general data privacy regulation, it is necessary to consider compliance with industry-specific legislation in different countries. SAP provides specific features and functions to support compliance with regards to relevant legal requirements, including data protection. SAP does not give any advice on whether these features and functions are the best method to support company, industry, regional, or country-specific requirements. Furthermore, this information does not give any advice or recommendation in regard to additional features that would be required in particular IT environments; decisions related to data protection must be made on a case-by-case basis, under consideration of the given system landscape and the applicable legal requirements.

Note

In most cases, compliance with applicable data protection and privacy laws will not be covered by a product feature. SAP software supports data protection compliance by providing security features and specific data protection-relevant functions, such as simplified blocking and deletion of personal data. SAP does not provide legal advice in any form. Definitions and other terms used in this document are not taken from any given legal source.

Caution

The extent to which data protection is supported by technical means depends on secure system operation. Network security, security note implementation, adequate logging of system changes, and appropriate usage of the system are the basic technical requirements for compliance with data privacy legislation and other legislation.

You also need to make sure that no personal data enters the system in an uncontrolled or non-purpose related way, for example, in free-text fields, or customer extensions.

9.8.1 Glossary for Data Protection and Privacy

The following terms are relevant in the context of data protection and privacy.

Term	Definition
Blocking	A method of restricting access to data for which the primary business purpose has ended.
Consent	The action of the data subject confirming that the usage of his or her personal data shall be allowed for a given purpose. A consent functionality allows the storage of a consent record in relation to a specific purpose and shows if a data subject has granted, withdrawn, or denied consent.
Data subject	An identified or identifiable natural person. An identifiable natural person is one who can be identified, directly or indirectly, in particular by reference to an identifier such as a name, an identification number, location data, an online identifier or to one or more factors specific to the physical, physiological, genetic, mental, economic, cultural, or social identity of that natural person.
Deletion	Deletion of personal data so that the data is no longer available.

End of business	Date on which the business with a data subject ends, for example, the order is completed, the subscription is canceled, or the last bill is settled.
End of purpose (EoP)	End of purpose and start of blocking period. The point in time when the primary processing purpose ends, for example, a contract is fulfilled.
End of purpose (EoP) check	A method of identifying the point in time for a data set when the processing of personal data is no longer required for the primary business purpose. After the EoP has been reached, the data is blocked and can only be accessed by users with special authorization, for example, tax auditors.
Personal data	Any information relating to a data subject.
Purpose	The information that specifies the reason and the goal for the processing of a specific set of personal data. As a rule, the purpose references the relevant legal basis for the processing of personal data.
Residence period	The period of time between the end of business and the end of purpose (EoP) for a data set during which the data remains in the database and can be used in case of subsequent processes related to the original purpose. At the end of the longest configured residence period, the data is blocked or deleted. The residence period is part of the overall retention period.
Retention period	The period of time between the end of the last business activity involving a specific object (for example, a business partner) and the deletion of the corresponding data, subject to applicable laws. The retention period is a combination of the residence period and the blocking period.
Sensitive personal data	A category of personal data that usually includes the following type of information: Special categories of personal data such as data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs, or trade union membership and the processing of genetic data, biometric data, data concerning health, sex life or sexual orientation or personal data concerning bank and credit accounts Personal data subject to professional secrecy Personal data relating to criminal or administrative offenses. Personal data concerning insurances and bank or credit card accounts
Where-used check (WUC)	A process designed to ensure data integrity in the case of potential blocking of business partner data. An application's where-used check (WUC) determines if there is any dependent data for a certain business partner in the database. If dependent data exists, this means the data is still required for business activities. Therefore, the blocking of business partners referenced in the data is prevented.

9.8.2 User Consent

SAP applications ask for consent of the data subject before collecting any personal data. In some cases, the data subject may also be the user. SAP applications provide functionality that allows data subjects to give and withdraw consent to collect and process their personal data. SAP assumes that the user, for example, an SAP customer collecting data, has consent from its data subject (a natural person such as a customer, contact, or account) to collect or transfer data to the solution.

Solution Extensions for SAP by Vistex use master data—including a possible mix of business partner companies and business partner persons—found in SAP ERP. This master data is used to create pricing and/or agreements for the benefit of the companies or persons. If an agreement has been executed in legal form, then consent has been either explicitly or implicitly granted to use personal information to provide benefits (pricing, rebates, reimbursements, etc.) under the agreement executed by the company or person.

The application of data privacy protections should not pre-empt legal agreements executed between your company and any persons regarding the transaction of business. Since all business transacted in Solution Extensions for SAP by Vistex is designed to be legally binding, the legal agreement must be canceled or terminated before any withdrawal of consent or limitation placed on the use of personal data that prevents the fulfillment of the legal obligations specified in such agreement represented in the combined solution.

For example, if you have a legally binding agreement that you will pay a rebate to a person based on their purchases from you, the person should not withdraw consent without first terminating the legal agreement according to the terms allowed in the legal agreement. Otherwise, a conflict could arise where you are obligated to pay but are unable to pay.

9.8.3 Information Report

Data subjects have the right to get information regarding their personal data undergoing processing. The information retrieval feature supports you to comply with the relevant legal requirements for data protection by allowing you to search for and retrieve all personal data for a specified data subject. The search results are displayed in a comprehensive and structured list containing all personal data of the data subject specified, subdivided according to the purpose for which the data was collected and processed.

Data subjects have the right to receive information regarding their personal data undergoing processing. The personal data record feature helps you to comply with the relevant legal requirements for data protection by allowing you to search for and retrieve all personal data for a specified data subject. The search results are displayed in a comprehensive and structured list containing all personal data of the data subject specified, subdivided according to the purpose for which the data was collected and processed.

9.8.4 Deletion of Personal Data

Simplified Blocking and Deletion

When considering compliance with data protection regulations, it is also necessary to consider compliance with industry-specific legislation in different countries. A typical potential scenario in certain countries is that personal data shall be deleted after the specified, explicit, and legitimate purpose for the processing of personal data has ended, but only as long as no other retention periods are defined in legislation, for example, retention periods for financial documents. Legal requirements in certain scenarios or countries also often require blocking of data in cases where the specified, explicit, and legitimate purposes for the processing of this data have ended, however, the data still has to be retained in the database due to other legally mandated retention periods. In some scenarios, personal data also includes referenced data. Therefore, the challenge for deletion and blocking is first to handle referenced data and finally other data, such as business partner data.

Deletion of Personal Data

The processing of personal data is subject to applicable laws related to the deletion of this data when the specified, explicit, and legitimate purpose for processing this personal data has expired. If there is no longer a legitimate purpose that requires the retention and use of personal data, it must be deleted. When deleting data in a data set, all referenced objects related to that data set must be deleted as well. Industry-specific legislation in different countries also needs to be taken into consideration in addition to general data protection laws. After the expiration of the longest retention period, the data must be deleted.

SAP Solution Extensions by Vistex might process data that is subject to the data protection laws applicable in specific countries as described in SAP Note 1825544.

The retention period for data in SAP Solution Extensions by Vistex is defined by the archiving period for each data object. Solution Extensions by Vistex are embedded Add-On(s) and follow SAP Information Lifecycle Management (ILM) protocols for archiving unneeded data. The archival process will remove data that has reached the end of the Retention Period, provided that you define the archive limit to be the same as the retention period.

Deletion

Existing deletion functionality available in SAP can cover data objects that are personal data by default. For this purpose, SAP uses SAP Information Lifecycle Management (ILM) to help you set up a compliant information lifecycle management process in an efficient and flexible manner. The functions that support the simplified blocking and deletion of personal data are not delivered in one large implementation, but in several waves. Scenarios or products that are not specified in SAP Note 1825608 (central Business Partner) and SAP Note 2007926 (ERP Customer and Vendor) are not yet subject to simplified blocking and deletion.

Nevertheless, it is also possible to destroy personal data for these scenarios or products. In these cases, you may use an existing archival or deletion functionality or implement individual retention management of relevant business data throughout its entire lifecycle. The SAP Information Lifecycle Management (ILM) component supports the entire software lifecycle including the storage, retention, blocking, and deletion of data.

SAP Solution Extensions by Vistex use SAP ILM to support the deletion of personal data as described in the following sections.

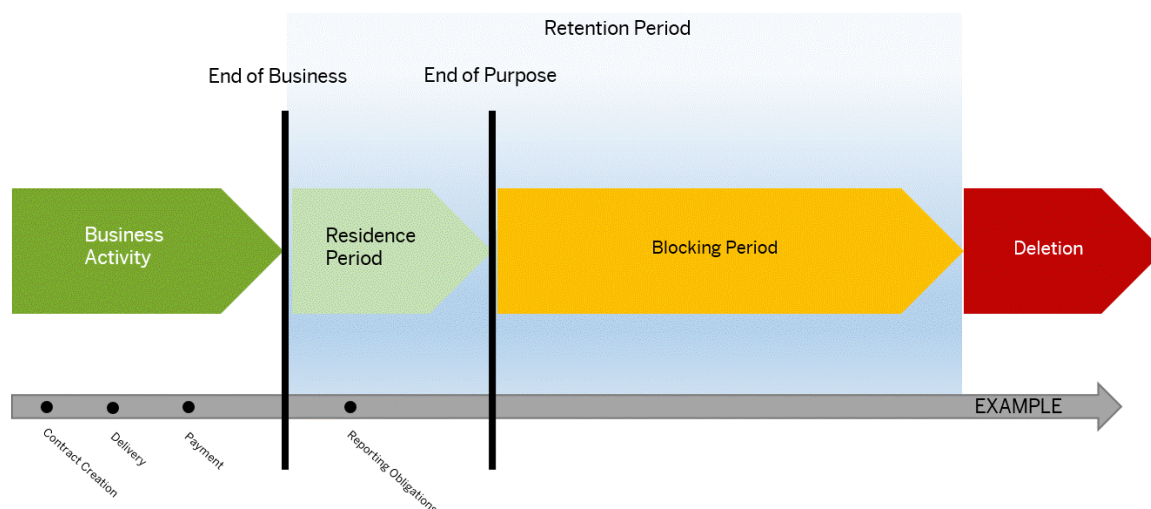
All applications register either (1) an end of purpose check (EOP check) in the Customizing settings for the blocking and deletion of application data (for example, the customer and vendor master or the business partner) or (2) a where-used check (WUC).

End of Purpose Check (EoP check)

An end of purpose check determines whether data is still relevant for business activities based on the retention period defined for the data. The retention period is part of the overall lifecycle of personal data which consists of the following phases:

- **Business activity:** The relevant data is used in ongoing business, for example contract creation, delivery or payment.
- **Residence period:** The relevant data remains in the database and can be used in case of subsequent processes related to the original purpose, for example reporting obligations.
- **Blocking period:** The relevant data needs to be retained for legal reasons. During the blocking period, business users of SAP applications are prevented from displaying and using this data; it can only be processed in case of mandatory legal provisions.
- **Deletion:** The data is deleted and no longer exists in the database.

The following figure illustrates the lifecycle of personal data:



Blocking

Blocking of data can impact system behavior in the following ways:

- Display: The system does not display blocked data.
- Change: It is not possible to change a business object that contains blocked data.
- Create: It is not possible to create a business object that contains blocked data.
- Copy/Follow-Up: It is not possible to copy a business object or perform follow-up activities for a business object that contains blocked data.
- Search: It is not possible to search for blocked data or to search for a business object using blocked data in the search criteria.

It is possible to display blocked data if a user has special authorization; however, it is still not possible to create, change, copy, or perform follow-up activities on blocked data.

Where-Used Check (WUC)

A where-used check is a simple check to ensure data integrity in case of potential blocking. The WUC for this product checks whether any dependent data for a customer, vendor, or central business partner (cBP) exists in the respective table. If dependent data exists, that is, if the data is still required for business activities, the system does not block that specific customer, vendor, or cBP.

If you still want to block the data, the dependent data must be deleted by using the existing archival and deletion tools or by using another customer-specific solution.

9.8.5 Change Log

Personal data is subject to frequent changes. Therefore, for review purposes or as a result of legal regulations, it may be necessary to track the changes made to this data. When these changes are logged, you should be able to check which employee made which change, the date and time, the previous value, and the current value, depending on the configuration. It is also possible to analyze errors in this way.

Defining Fields to Be Logged

SAP solution extensions by Vistex are embedded SAP Add-On(s) in SAP ERP (refer to Figure 2). Therefore, follows SAP's protocols. SAP solution extensions by Vistex processes personal data of business partners that are involved in change requests and activities. If any changes are made regarding the business partner, the system logs the following information on personal data per change request and activity:

- The user who changed data
- The date and time of the change
- The change type (update, insert, deletion, single field documentation)
- The identifying keys and their values of the data records
- The heading name for the attribute that was changed

You can define the fields to be logged under [Display Change Document Objects](#) (transaction `SCDO`).

You use the authorization object to `IAM/CHGLOG` to control the change logging for change requests and activities.

Displaying Change Logs

In the worklist of SAP solution extensions by Vistex you can access a change log for each change request and activity.

Note

Change logs can only be displayed if the user is assigned the authorization role `SAP_AUTH_MOC_ADMIN`.

Under *Evaluate New Audit Trail* → *Enhancement Mode* (transaction [S_AUT10](#)), you can see all changes that have been processed for the change document objects in SAP solution extensions by Vistex [S_/IAM/ACT](#) (activity) and [/IAM/ISSUE](#) (change request).

For more information about change documents, see the documentation for your SAP NetWeaver release at [SAP NetWeaver - SAP Help Portal](#). Choose the relevant SAP NetWeaver release and open the following documents:

- Under *Application Help*, choose *SAP NetWeaver Library: Function-Oriented View* → *Application Server ABAP* → *Other Services* → *Services for Application Developers* → *Change Documents*.
- Under *Security*, choose *SAP NetWeaver Security Guide* → *Security Aspects for Lifecycle Management* → *Auditing and Logging*.

Personal data is subject to frequent changes. Therefore, for review purposes or as a result of legal regulations, it may be necessary to track the changes made to this data. When these changes are logged, you should be able to check which employee made which change, the date and time, the previous value, and the current value, depending on the configuration. It is also possible to analyze errors in this way.

Personal data is subject to frequent changes. Therefore, for review purposes or as a result of legal regulations, it may be necessary to track the changes made to this data. When these changes are logged, you should be able to check which employee made which change, the date and time, the previous value, and the current value, depending on the configuration. It is also possible to analyze errors in this way.

9.9 Security for Third-Party Applications

Not Applicable. Vistex does not utilize 3rd-party products in its add-on solutions.

10 Operating SAP solution extensions by Vistex

This section contains general information about how to operate SAP solution extensions by Vistex:

i Note

This section does not replace the operations handbook in which customers or the operations organization documents specific tasks, involved parties, and interaction procedures.

10.1 Monitoring

This section describes monitoring tasks for SAP solution extensions by Vistex.

No specific monitoring sets are available or needed. All standard underlying ABAP monitoring tools are available.

SAP solution extensions by Vistex are embedded Add-On solution, thus utilize standard SAP mechanism. Please refer to SAP Admin Guide at [SAP Help Portal](#).

There are no application specific administration tools available or needed. All standard underlying SAP tools are available using SAP Solution manager. SAP provides you with an infrastructure to help your technical support consultants and system administrators effectively monitor your system landscape. For more information about monitoring topics please refer to SAP Admin Guide for more information found at [SAP Help Portal](#).

10.1.1 Alert Monitoring

SAP solution extensions by Vistex are embedded Add-On solutions, thus utilize standard SAP mechanisms. Please refer to chapter 3 of the SAP Admin Guide for SAP 6.0 EHP8 at [SAP Help Portal](#).

10.1.2 Detailed Monitoring and Tools for Problem and Performance Analysis

SAP solution extensions by Vistex are embedded Add-On solutions, thus utilize standard SAP mechanism. Please refer to chapter 3 of the SAP Admin Guide for SAP 6.0 EHP8 at [SAP Help Portal](#).

For more information about technical problem analysis (such as with a database, the operating system, or workload analysis), see SAP Help Portal [SAP Help Portal](#).

10.1.3 Error Handling

The SAP standard logging mechanism is used. Upload programs and batch jobs will store logs in the standard SLG1 transaction. However, the workbenches will not save the logs. They are just available for display only.

10.1.4 Overview of Trace and Log Files

Logging and tracing for ABAP components is done using transaction SLG1. An Application Log comprises a log header and a set of messages. The log header contains general data (type, created by/on, etc.). Each log in the database also has the attributes Object and Sub object. These attributes describe the application which wrote the log and classify this application. SAP solution extensions by Vistex are embedded Add-On solutions, thus utilize standard SAP mechanism. Please refer to chapter 3 of the SAP Admin Guide for SAP ERP6.0 EHP8 for more information to the SAP Admin Guide [SAP Help Portal](#).

10.1.5 Workload Monitors

SAP Product Lifecycle Management uses the standard NetWeaver workload monitor. For more information, see SAP Help Portal at <http://help.sap.com/nw75> System Administration and Maintenance Information Technical Operations for SAP NetWeaver Administration of SAP NetWeaver Systems and components AS ABAP (Application Server ABAP Monitoring and Administration Tools for Application Server ABAP Statistics Workload Monitor).

No specific monitoring sets are available or needed. All standard underlying ABAP monitoring tools are available.

SAP solution extensions by Vistex are embedded Add-Ons, thus utilize standard SAP mechanism. Please refer to chapter 3 of the SAP Admin Guide at [SAP Help Portal](#).

10.1.6 Interface Monitoring

This section describes aspects of interface monitoring relevant for SAP solution extensions by Vistex. This application can use IDocs and standard SAP ALE processing as required. No other asynchronous interfaces are used.

No specific monitoring sets are available or needed. All standard underlying ABAP monitoring tools are available. Interface monitors are essential for analyzing problems with interfaces such as RFC, IDoc, and HTTP. If you create RFC connections for running your PLM system landscape, use standard ABAP Platform tools for monitoring these RFC connections. For more information, go to [SAP Help Portal](#).

10.1.7 Background Job Monitoring

No specific monitoring sets are available or needed. All standard underlying ABAP monitoring tools are available. SAP solution extensions by Vistex are embedded Add-Ons, thus utilize standard SAP mechanism. Please refer to chapter 3 of the SAP ERP6.0 EHP8 SAP Admin Guide found at [SAP Help Portal](#).

There are no application specific administration tools available or needed. All standard underlying SAP tools are available using SAP Solution manager. Please refer to the SAP Solution manager documentation for SAP ERP 6.0 EHP8 found at [SAP Help Portal](#).

10.2 Administration and Management

This section describes administrator tasks for SAP solution extensions by Vistex.

SAP provides you with an infrastructure to help your technical support consultants and system administrators effectively manage all SAP components and complete all tasks related to technical administration and operation.

For more information about operational topics, go to <http://help.sap.com>.

Please refer to SAP Admin Guide for more information found at [SAP Help Portal](#).

10.2.1 Starting and Stopping

This section describes how to start and stop SAP solution extensions by Vistex. SAP solution extensions by Vistex embedded Add-On solutions and utilize standard SAP mechanisms. Please refer to SAP Admin Guide for SAP ERP6.0 EHP8 chapter 4 for more information at [SAP Help Portal](#).

10.2.2 Technical Configuration

This section describes aspects of technical configuration for SAP solution extensions by Vistex. Refer to [SAP Help Portal](#).

10.2.3 Backup and Restore

This section describes procedures for backing up and restoring SAP solution extensions by Vistex. You need to back up your system landscape regularly to ensure that you can restore and recover it in case of failure.

SAP solution extensions by Vistex embedded Add-On solutions and utilize standard SAP mechanisms. Please refer to chapter 4 (4.4) of the SAP Admin Guide for more information found at [SAP Help Portal](#).

10.2.4 Periodic Tasks for DMp and DMr

No periodic tasks are defined. SAP Data Maintenance by Vistex (DMp and DMr) is not defined as a mission critical application. Please refer to standard SAP Operations Guide found at [SAP Help Portal](#) for reference.

Transaction code	Description
/IRM/EPKU50	Create a customer from the customer master
/IRM/EPKU60	Post a customer to the customer master
/IRM/EPKUIR50	Create customer info records from SAP info records
/IRM/EPKUIR60	Post customer info records to SAP info records
/IRM/EPKU80	Customer mass processing
/IRM/EPLI50	Create a vendor from the vendor master
/IRM/EPLI60	Post a vendor to the vendor master
/IRM/EPLIIR50	Create vendor info records from SAP info records
/IRM/EPLIIR60	Post vendor info records to SAP info records
/IRM/EPLI80	Vendor mass processing
/IRM/EPPD50	Create a material from the material master
/IRM/EPPD60	Post a material to the material master
/IRM/EPPD80	Material processing

The following transactions are available to be run in the background if desired.

10.2.5 Load Balancing and Scalability

SAP solution extensions by Vistex are embedded SAP Add-On(s), and therefore, utilize standard SAP mechanisms. Please refer to standard SAP Operations Guide for more information found at [SAP Help Portal](#).

10.2.6 High Availability

SAP solution extensions by Vistex follow the general high availability concept for all SAP NetWeaver and EHP8 for SAP ERP 6.0 based systems.

SAP solution extensions by Vistex are embedded SAP Add-On(s), and therefore, utilize standard SAP mechanisms. Please refer to chapter 5 of the standard SAP Operations Guide for more information found at [SAP Help Portal](#).

10.3 Logging and Tracing

10.3.1 Read Access Logging

Read Access Logging (RAL) is used to monitor, and log read access to sensitive data. This data may be categorized as sensitive by law, by external company policy, or by internal company policy. These common questions might be of interest for an application that uses Read Access Logging:

SAP solution extensions by Vistex are embedded SAP Add-On in SAP ERP. Therefore, the SAP standard logging mechanism is used. Upload programs and batch jobs will store logs in the standard SLG1 transaction. However, the workbenches will not save the logs. The logs are available for display only. The details are below by application.

10.3.1.1 DMp Read Access Logging

Object	Object text	Sub-object	Sub-object Text
/IRM/GAC	Activities	APRVL AUTOOUTCM DTTYP MASS NFEVT OUTCOME RMNDR	Approvals Auto Outcome Set Date Type Mass Processing Notifications Outcome Set Remainders
/IRM/GAM	Address Match	IDX_CUST IDX_VEND SRCH	Customer Address Match Vendor Address Match Search
/IRM/GAS	Aspect Sheets	CHANGE CHECK MAINTAIN READ UPLOAD	Change records Check Records Maintenance Read Records Upload from File
/IRM/GATG	Attribute Group	CHANGE CREATE	Change Create

		TRANSFER	Transfer
/IRM/GATR	Attribute	CHANGE CREATE TRANSFER	Change Create Transfer
/IRM/GAW	Award	AWARD_SAVE CHECK REVERSE UPDATE	Awards Save Check Reverse Update
/IRM/GAWR	Award Request	AWREQ_SAVE CREATE POST	Award Request Save Create Post
/IRM/GAXR	Agreement Cross-Reference	DOWNLOAD READ UPLOAD	Download Read Records Upload from File
/IRM/GBRF	BRF Functions	CHANGE CHECK CREATE	change Check create
/IRM/GCH	Change Type	CHANGE CREATE	Change Create
/IRM/GCL	Clauses	CHANGE CHECK CREATE	Change Check Create
/IRM/GCLC	Calc. Flow	CHANGE	Change
/IRM/GCLE	Calculation Engine	CHANGE	Change
/IRM/GCLFC	Calculation Flow	CHANGE	Change
/IRM/GCP	Composition	CHANGE CHECK CREATE UPLOAD	Change Check Create Upload
/IRM/GCR	Claim	CHANGE CHECK CREATE DELETE EXECUTE INDEX ITEM_UPL POST REPORTING STAT_LOAD UPLOAD	Change Check Create Delete Execute Corrections Indexing Upload Items from File Post Reporting Statistics Load Upload Claims
/IRM/GCT	Catalog	CHANGE CHECK CREATE DELETE	Change Check Create Delete
/IRM/GCUL	Customer List	CHANGE CHECK CREATE CUST_UPLOAD RELEASE	Change Check Create Upload Customers/Customer Catg. from File Release

		SAVE	Save
/IRM/GDCT	Document Template	CHANGE CREATE DELETE	Change Create Delete
/IRM/GDF	Dictionary Fields Maintenance	ADJUST	Adjust the Tables
/IRM/GDL	Deal	CHANGE COPY MASS PRICING REPORTING	Change Copy Deal Mass Changes Pricing Procedure Execution Reporting
/IRM/GDLR	Deal Request	CHANGE COPY CREATE MASS POST REPORTING	Change Copy Create Mass changes Post Reporting
/IRM/GDM	Dimension Maintenance	CHECK MAINTAIN READ UPLOAD	Check Records Maintenance Read Records Upload from File
/IRM/GDMXR	Dimension Cross Reference	UPLOAD	Upload from File
/IRM/GDO	Data Object	RUNPROCESS SSEQ_OBJECT_CREATE VERSION_CHANGE VERSION_CREATE VERSION_DELETE VERSION_UPLOAD	Process Profile Run Subsequent Object Create Change Version Create Version Delete Version Upload Version
/IRM/GDOM	Domains	CHANGE CREATE DELETE	Change Create Delete
/IRM/GDOT	Data object type	CHANGE CREATE DELETE	Data object change Data object create Data object delete
/IRM/GDS	Dimension Set Maintenance	CHECK MAINTAIN READ UPLOAD	Check Records Maintenance Read Records Upload from File
/IRM/GDST	Datasets	DISPLAY	Datasets
/IRM/GEH	Enhancements	SAVE	Save
/IRM/GENT	Entitlement	CHANGE CREATE DELETE	Change Create Delete
/IRM/GEP	External Person	CHANGE CHECK CREATE SAVE	Change Check Create Save
/IRM/GESH	Freestyle Search	/IRM/EPKU /IRM/EPKUD /IRM/EPLI	Customer Customer Domains Vendor

		/IRM/EPLID /IRM/EPPD /IRM/EPPDD /IRM/GBUPA /IRM/GCR /IRM/GKNA1 /IRM/GLFA1 /IRM/GRCA /IRM/IPAGR /IRM/IPAR /IRM/IPPQ SCIDX	Vendor Domains Materials Material Domains ECC Business Partner Claims ECC Customer ECC Vendor Transaction Agreements Agreement Request Price request Scheduled Index
/IRM/GEV	Evaluation	CHANGE UPLOAD	Change Upload
/IRM/GEVNT	Events	CHANGE CHECK CREATE MASS_PROCESS SAVE UPLOAD	Change Check Create Mass Process Save Upload
/IRM/GFG	Flexible Grouping	CHANGE CHECK CREATE READ RELEASE SAVE UPLOAD	Change Check Create Read Post Save Upload
/IRM/GFGR	Flexible Group Request	CHANGE CHECK CREATE POST READ RELEASE SAVE UPLOAD	Change Check Create Post Read Post Save Upload
/IRM/GFMB	Funds Management Budgeting	CHECK	Check
/IRM/GFMCI	Funds Management Commitment Item	SAVE	Save
/IRM/GFMF	Funds Management Funds	SAVE	Save
/IRM/GFMFC	Funds Management Funds Center	SAVE	Save
/IRM/GFMR	Funds Management Reservation	CHANGE CHECK CREATE SAVE	Change Check Create Save
/IRM/GFP	Period Profile	CHANGE CHECK CREATE	Change Check Create
/IRM/GFSUB	File Submission	SAVE	File Submission Save
/IRM/GIN	Incident	CHANGE CREATE	Change Create

/IRM/GLOBAL	General	AUTODATAMN CHANGE EXCEL_IMPORT MATRIX POLICY PRICING VAR_CONV	Auto Document Maintenance Change Excel import Matrix Policy Pricing Variant Convert
/IRM/GML	Membership List	CANCEL CHANGE CHECK CREATE MBR_UPLOAD RELEASE SAVE	Cancel Change Check Create Members Upload from File Release Save
/IRM/GMX	Matrix Maintenance	CHECK KF_CHECK MAINT SAVE	Check Matrix Data Check Key Figure Selection Maintain Members Save Members
/IRM/GMXR	Material Cross-Reference	DOWNLOAD READ UPLOAD	Download Read Records Upload from File
/IRM/GNF	Action	CHECK	Check
/IRM/GOO	Organizational Objects	CHANGE COPY CREATE	Change Copy Create
		SAVE	Save
/IRM/GOPT	Output	CHANGE	Change
/IRM/GPAR	Partners	ADR_MATCH DETERMLOG MAINTAIN	Address Match Processing log Maintenance
/IRM/GPB	Price Book	CHANGE CHECK CREATE DELETE MONITOR	Change Check Create Delete Price Monitor
/IRM/GPL	Product List	CHANGE CHECK CREATE PRD_UPLOAD RELEASE SAVE	Change Check Create Upload Products/Product Catg. from File Release Save
/IRM/GPP	Price Proposal	CHANGE COPY CREATE POST	Change Copy Create Post
/IRM/GPR	Pricing	CHANGE CHECK COPY CREATE	Change Condition Records Check and Complete Copy Condition Records Create Condition Records

		POLICY POST PRICEREPORT_LOAD READ	Policies Post Price Report Initial Load Read Condition Records
/IRM/GPREXT	Extension Table	CHECK GENERATE	Data Check Generate
/IRM/GPS	Price Simulation	CHANGE CHECK CREATE DELETE	Change Check Create Delete
/IRM/GPSCIT	Calculation Item Table	CHECK GENERATE	Data check Generate
/IRM/GPT	Price Type	CHANGE CHECK CREATE MAT_UPLOAD	Change Check Create Materials Upload from File
/IRM/GPXR	Partner Cross-Reference	DOWNLOAD READ UPLOAD	Download Read Records Upload from File
/IRM/GRCA	Transaction	CHANGE CHECK CREATE DELETE EXECUTE ITEM_UPL POST STAT_LOAD	Change Check Create Delete Auto Corrections Upload Items from File Post Statistics Load
/IRM/GRPMAT	Reported Material maintenance	READ UPLOAD	Read Records Upload from File
/IRM/GSTAT	Status	STATUS	Status
/IRM/GTD	Team Department	CHANGE	Change
/IRM/GTP	Templates	CHECK SAVE	Check for Clauses in Templates Save the Templates
/IRM/GUXR	Unit of Measure Cross-Reference	DOWNLOAD READ UPLOAD	Download Read Records Upload from File
/IRM/GVC	Voucher	CHANGE COPY CREATE	Change Copy Create
/IRM/GVNL	Vendor List	CHANGE CHECK CREATE RELEASE SAVE VND_UPLOAD	Change Check Create Release Save Upload Customers/Customer Catg. from File
/IRM/GWP	Web Portal	CHANGE USR_ASSIGN WORKSPACE	Change User Assignment Workspace

10.3.1.2 DMr Read Access Logging

Object	Object text	Sub-object	Sub-object Text
/IRM/EPADR	Address	INDEX_UPD	Address Index Update
/IRM/EPAS	Attribute Set	CHANGE CREATE TRANSFER	Change Create Transfer
/IRM/EPATG	Attribute Group	CHANGE CREATE TRANSFER	Change Create Transfer
/IRM/EPATR	Attribute	CHANGE CREATE TRANSFER	Change Create Transfer
/IRM/EPAXR	Attribute Cross-Reference	CHANGE UPLOAD	Change Upload from File
/IRM/EPBP	Business Partner	CHANGE CREATE UPLOAD	Change Create Upload
/IRM/EPBPC	Business Partner Configuration	CHANGE CHECK CREATE	Change Check Create
/IRM/EPBPLC	Business Partner List Configuration	CHANGE CHECK CREATE	Change Check Create
/IRM/EPCHM	Change Master	CHANGE CREATE TRANSFER	Change Create Transfer
/IRM/EPEQ	Equipment	CHANGE CREATE UPLOAD	Change Create Upload
/IRM/EPEQL	Equipment List	CHANGE CHECK CREATE POST UPLOAD	Change Check Create Post Upload
/IRM/EPINT	Index Table	CHANGE CREATE GENERATE	Change Create Generate
/IRM/EPINTP	Index Table Profile	CHANGE CREATE	Change Create
/IRM/EPIR	Info Records	ATTRCHECK ATTRUPDATE CHANGE CREATE IRUPDATE UPLOAD	Attributes Consistency Checks Attributes Update Change Create Info Record Update Upload Info Record
/IRM/EPKU	Customer	ATTRCHECK	Attributes Consistency Checks

		ATTRUPDATE CHANGE COPY CREATE CUSTUPDATE INDEX RUNPROCESS	Attributes Update Change Copy Customer Create Customer Master Update Indexing Process Profile Run
/IRM/EPKUD	Customer Domain	CHANGE CREATE INDEX	Change Create Index
/IRM/EPKUDF	Customer Data Flow	CHANGE CREATE	Change Create
/IRM/EPKUF	Customer Facet	CHANGE CREATE	Change Create
/IRM/EPKUFP	Customer Facet Profile	CHANGE CREATE	Change Create
/IRM/EPKUFB	Customer Facet View	CHANGE CREATE	Change Create
/IRM/EPKUL	Customer List	CHANGE CHECK CREATE POST UPLOAD	Change Check Create Post Upload
/IRM/EPLI	Vendor	ATTRCHECK ATTRUPDATE CHANGE COPY CREATE INDEX RUNPROCESS VENDUPDATE	Attributes Consistency Checks Attributes Update Change Copy Vendor Create Indexing Process Profile Run Vendor Master Update
/IRM/EPLID	Vendor Domain	CHANGE CREATE INDEX	Change Create Index
/IRM/EPLIDF	Vendor Data Flow	CHANGE CREATE	Change Create
/IRM/EPLIF	Vendor Facet	CHANGE CREATE	Change Create
/IRM/EPLIFP	Vendor Facet Profile	CHANGE CREATE	Change Create
/IRM/EPLIFB	Vendor Facet View	CHANGE CREATE	Change Create
/IRM/EPLIL	Vendor List	CHANGE CHECK CREATE POST UPLOAD	Change Check Create Post Upload
/IRM/EPMTL	Material List - New	CHANGE CHECK CREATE	Change Check Create

		POST UPLOAD	Post Upload
/IRM/EPMTR	Material - New	CHANGE CREATE UPLOAD	Change Create Upload
/IRM/EPMTRC	Material Configuration	CHANGE CHECK CREATE	Change Check Create
/IRM/EPMTRLC	Equipment/Material List Configuration	CHANGE CHECK CREATE	Change Check Create
/IRM/EPPD	Material	ATTRCHECK ATTRUPDATE CHANGE COPY CREATE INDEX MATUPDATE RUNPROCESS	Attributes Consistency Checks Attributes Update Change Copy Materials Create Indexing Material Master Update Process Profile Run
/IRM/EPPDD	Material Domain	CHANGE CREATE INDEX	Change Create Index
/IRM/EPPDDF	Material Data Flow	CHANGE CREATE	Change Create
/IRM/EPPDF	Material Facet	CHANGE CREATE	Change Create
/IRM/EPPDFP	Material Facet Profile	CHANGE CREATE	Change Create
/IRM/EPPDFV	Material Facet View	CHANGE CREATE	Change Create
/IRM/EPPDL	Material List	CHANGE CHECK CREATE POST UPLOAD	Change Check Create Post Upload
/IRM/EPRL	Relation	CHANGE CREATE POST	Change Create Post
/IRM/EPSEA	Structural Analysis	CHECK	Check
/IRM/EPSEG	Segment	CHANGE CREATE	Change Create
/IRM/EPSEM	Structured Material	CHANGE CREATE	Change Create
/IRM/EPST	Structure	CHANGE CREATE	Change Create

10.3.1.3 Logging and Tracing for Global

OBJECT	OBJECT TEXT	SUBOBJECT	SUBOBJTXT
/IRM/GAC	Activities	APRVL	Approvals
		AUTOOUTCM	Auto Outcome Set
		DTTYP	Date Type
		MASS	Mass Processing
		NFEVT	Notifications
		OUTCOME	Outcome Set
		RMNDR	Remainders
/IRM/GAM	Address Match	IDX_CUST	Customer Address Match
		IDX_VEND	Vendor Address Match
		SRCH	Search
		CHANGE	Change records
		CHECK	Check Records
		MAINTAIN	Maintenance
		READ	Read Records
		UPLOAD	Upload from File
/IRM/GATG	Attribute Group	CHANGE	Change
		CREATE	Create
		TRANSFER	Transfer
/IRM/GATR	Attribute	CHANGE	Change
		CREATE	Create
		TRANSFER	Transfer
/IRM/GAW	Award	AWARD_SAVE	Awards Save
		CHECK	Check
		REVERSE	Reverse
		UPDATE	Update
/IRM/GAWR	Award Request	AWREQ_SAVE	Award Request Save
		CREATE	Create
		POST	Post
/IRM/GAXR	Agreement Cross-Reference	DOWNLOAD	Download
		READ	Read Records

		UPLOAD	Upload from File
/IRM/GBRF	BRF Functions	CHANGE	change
		CHECK	Check
		CREATE	create
/IRM/GCH	Change Type	CHANGE	Change
		CREATE	Create
/IRM/GCL	Clauses	CHANGE	Change
		CHECK	Check
		CREATE	Create
/IRM/GCLC	Calc. Flow	CHANGE	Change
/IRM/GCLE	Calculation Engine	CHANGE	Change
/IRM/GCLFC	Calculation Flow	CHANGE	Change
/IRM/GCP	Composition	CHANGE	Change
		CHECK	Check
		CREATE	Create
		UPLOAD	Upload
/IRM/GCR	Claim	CHANGE	Change
		CHECK	Check
		CREATE	Create
		DELETE	Delete
		EXECUTE	Execute Corrections
		INDEX	Indexing
		ITEM_UPL	Upload Items from File
		POST	Post
		REPORTING	Reporting
		STAT_LOAD	Statistics Load
		UPLOAD	Upload Claims
/IRM/GCT	Catalog	CHANGE	Change
		CHECK	Check
		CREATE	Create
		DELETE	Delete
/IRM/GCUL	Customer List	CHANGE	Change
		CHECK	Check
		CREATE	Create
		CUST_UPLOAD	Upload Customers/Customer Catg. from File

		RELEASE	Release
		SAVE	Save
/IRM/GDCT	Document Template	CHANGE	Change
		CREATE	Create
		DELETE	Delete
/IRM/GDF	Dictionary Fields Maintenance	ADJUST	Adjust the Tables
/IRM/GDL	Deal	CHANGE	Change
		COPY	Copy Deal
		MASS	Mass Changes
		PRICING	Pricing Procedure Execution
		REPORTING	Reporting
/IRM/GDLR	Deal Request	CHANGE	Change
		COPY	Copy
		CREATE	Create
		MASS	Mass changes
		POST	Post
		REPORTING	Reporting
/IRM/GDM	Dimension Maintenance	CHECK	Check Records
		MAINTAIN	Maintenance
		READ	Read Records
		UPLOAD	Upload from File
/IRM/GDMXR	Dimension Cross Reference	UPLOAD	Upload from File
/IRM/GDO	Data Object	RUNPROCESS	Process Profile Run
		SSEQ_OBJECT_CREATE	Subsequent Object Create
		VERSION_CHANGE	Change Version
		VERSION_CREATE	Create Version
		VERSION_DELETE	Delete Version
		VERSION_UPLOAD	Upload Version
/IRM/GDOM	Domains	CHANGE	Change
		CREATE	Create
		DELETE	Delete
/IRM/GDOT	Data object type	CHANGE	Data object change
		CREATE	Data object create

		DELETE	Data object delete
/IRM/GDS	Dimension Set Maintenance	CHECK	Check Records
		MAINTAIN	Maintenance
		READ	Read Records
		UPLOAD	Upload from File
/IRM/GDST	Datasets	DISPLAY	Datasets
/IRM/GEH	Enhancements	SAVE	Save
/IRM/GENT	Entitlement	CHANGE	Change
		CREATE	Create
		DELETE	Delete
/IRM/GEP	External Person	CHANGE	Change
		CHECK	Check
		CREATE	Create
		SAVE	Save
/IRM/GESH	Freestyle Search	/IRM/EPKU	Customer
		/IRM/EPKUD	Customer Domains
		/IRM/EPLI	Vendor
		/IRM/EPLID	Vendor Domains
		/IRM/EPPD	Materials
		/IRM/EPPDD	Material Domains
		/IRM/GBUPA	ECC Business Partner
		/IRM/GCR	Claims
		/IRM/GKNA1	ECC Customer
		/IRM/GLFA1	ECC Vendor
		/IRM/GRCA	Transaction
		/IRM/IPAGR	Agreements
		/IRM/IPAR	Agreement Request
		/IRM/IPPQ	Price request
		SCIDX	Scheduled Index
/IRM/GEV	Evaluation	CHANGE	Change
		UPLOAD	Upload
/IRM/GEVNT	Events	CHANGE	Change
		CHECK	Check
		CREATE	Create
		MASS_PROCESS	Mass Process

		SAVE	Save
		UPLOAD	Upload
/IRM/GFG	Flexible Grouping	CHANGE	Change
		CHECK	Check
		CREATE	Create
		READ	Read
		RELEASE	Post
		SAVE	Save
		UPLOAD	Upload
/IRM/GFGR	Flexible Group Request	CHANGE	Change
		CHECK	Check
		CREATE	Create
		POST	Post
		READ	Read
		RELEASE	Post
		SAVE	Save
		UPLOAD	Upload
/IRM/GFMB	Funds Management Budgeting	CHECK	Check
/IRM/GFMC	Funds Management Commitment Item	SAVE	Save
/IRM/GFMF	Funds Management Funds	SAVE	Save
/IRM/GFMFC	Funds Management Funds Center	SAVE	Save
/IRM/GFMR	Funds Management Reservation	CHANGE	Change
		CHECK	Check
		CREATE	Create
		SAVE	Save
/IRM/GFP	Period Profile	CHANGE	Change
		CHECK	Check
		CREATE	Create
/IRM/GFSUB	File Submission	SAVE	File Submission Save
/IRM/GIN	Incident	CHANGE	Change
		CREATE	Create
/IRM/GLOBAL	General	AUTODATAMN	Auto Document Maintenance
		EXCEL_IMPORT	Excel import
		MATRIX	Matrix
		POLICY	Policy
		PRICING	Pricing

		VAR_CONV	Variant Convert
/IRM/GML	Membership List	CANCEL	Cancel
		CHANGE	Change
		CHECK	Check
		CREATE	Create
		MBR_UPLOAD	Members Upload from File
		RELEASE	Release
		SAVE	Save
/IRM/GMX	Matrix Maintenance	CHECK	Check Matrix Data
		KF_CHECK	Check Key Figure Selection
		MAINT	Maintain Members
		SAVE	Save Members
/IRM/GMXR	Material Cross-Reference	DOWNLOAD	Download
		READ	Read Records
		UPLOAD	Upload from File
/IRM/GNF	Action	CHECK	Check
/IRM/GOO	Organizational Objects	CHANGE	Change
		COPY	Copy
		CREATE	Create
		SAVE	Save
/IRM/GOPT	Output	CHANGE	Change
/IRM/GPAR	Partners	ADR_MATCH	Address Match
		DETERMLOG	Processing log
		MAINTAIN	Maintenance
/IRM/GPB	Price Book	CHANGE	Change
		CHECK	Check
		CREATE	Create
		DELETE	Delete
		MONITOR	Price Monitor
/IRM/GPL	Product List	CHANGE	Change
		CHECK	Check
		CREATE	Create
		PRD_UPLOAD	Upload Products/Product Catg. from File
		RELEASE	Release
		SAVE	Save
/IRM/GPP	Price Proposal	CHANGE	Change
		COPY	Copy

		CREATE	Create
		POST	Post
/IRM/GPR	Pricing	CHANGE	Change Condition Records
		CHECK	Check and Complete
		COPY	Copy Condition Records
		CREATE	Create Condition Records
		POLICY	Policies
		POST	Post
		PRICEREPORT_LOAD	Price Report Initial Load
		READ	Read Condition Records
/IRM/GPREXT	Extension Table	CHECK	Data Check
		GENERATE	Generate
/IRM/GPRPA	Pricing Area	CHECK	check
		SELC	Selections Check
/IRM/GPS	Price Simulation	CHANGE	Change
		CHECK	Check
		CREATE	Create
		DELETE	Delete
/IRM/GPSCIT	Calculation Item Table	CHECK	Data check
		GENERATE	Generate
/IRM/GPT	Price Type	CHANGE	Change
		CHECK	Check
		CREATE	Create
		MAT_UPLOAD	Materials Upload from File
/IRM/GPXR	Partner Cross-Reference	DOWNLOAD	Download
		READ	Read Records
		UPLOAD	Upload from File
/IRM/GRCA	Transaction	CHANGE	Change
		CHECK	Check
		CREATE	Create
		DELETE	Delete
		EXECUTE	Auto Corrections
		ITEM_UPL	Upload Items from File
		POST	Post
		STAT_LOAD	Statistics Load
/IRM/GRPMAT	Reported Material maintenance	READ	Read Records

		UPLOAD	Upload from File
/IRM/GSTAT	Status	STATUS	Status
/IRM/GTD	Team Department	CHANGE	Change
/IRM/GTP	Templates	CHECK	Check for Clauses in Templates
		SAVE	Save the Templates
/IRM/GUXR	Unit of Measure Cross-Reference	DOWNLOAD	Download
		READ	Read Records
		UPLOAD	Upload from File
/IRM/GVNL	Vendor List	CHANGE	Change
		CHECK	Check
		CREATE	Create
		RELEASE	Release
		SAVE	Save
		VND_UPLOAD	Upload Customers/Customer Catg. from File
/IRM/GWP	Web Portal	CHANGE	Change
		USR_ASSIGN	User Assignment
		WORKSPACE	Workspace
/IRM/GWPWS	Portal and Workspace	WORKSPACE	Workspace
/IRM/AC	Activities	No log found in the database	
/IRM/CONDX	Conditions maintenance in EXCEL	No log found in the database	
/IRM/GAS	Aspect Sheets	No log found in the database	
/IRM/IPGPUP	Billing Documents Partners Update	No log found in the database	
/IRM/IPRO	Roster	No log found in the database	

10.4 Business Continuity and Availability

The term business continuity covers all activities performed by system administrators to ensure that critical business functions are available to system users. Strategies for high availability are a subset of business continuity activities, but business continuity is not limited to high availability. Other activities that relate to business continuity include:

- System backup and archiving
- System updates with minimum downtime

SAP uses the standard ABAP Platform functions for high availability and business continuity. SAP solution extensions by Vistex are embedded SAP Add-On solutions, therefore, utilize standard SAP mechanism. Please refer to chapter 5 of the standard SAP Operations Guide for more information found at [SAP Help Portal](#).

11 Software Change Management

This section provides information about how to deploy software changes for your software components. Software change management standardizes and automates software distribution, maintenance, and testing procedures for complex software landscapes and multiple software development platforms.

11.1 Software Maintenance

Software Change Management standardizes and automates software distribution, maintenance, and testing procedures for complex software landscapes and multiple software development platforms. These functions support your project teams, development teams, and application support teams.

SAP solution extensions by Vistex Add-Ons installation packages are available at the software download web site [SAP Support Portal Home](#). This note will be periodically updated with future Support Packs.

12 Troubleshooting

12.1 SAP Data Management for ERP by Vistex (DMp and DMr)

Please refer to standard SAP Operations Guide found at [SAP Help Portal](#) for troubleshooting. Notes on [SAP Support Portal Home](#) are also used for specific troubleshooting issues and resolutions. If there are issues when installing solutions by Vistex make sure the file size that is being installed matches the file size on [SAP Support Portal Home](#). Security on some networks will not allow for a full download and will truncate the files. Also, if copying the files from a PC to an application server, make sure it is done in "BINARY" mode.

If there are issues when installing SAP Data Maintenance by Vistex (DMp and DMr), make sure the file size that is being installed matches the file size on [SAP Help Portal](#). Security on some networks will not allow for a full download and will truncate the files. Also, if copying the files from a PC to an application server, make sure it is done in "BINARY" mode.

Below are some known tips.

Issue: Material will not post.

Cause: A required field is not filled in or an invalid value has been entered.

Troubleshooting: Try to create the material in the standard SAP material create transaction (MM01) with the same data minus the Data Maintenance fields. If a required field does not have data, that attribute will need to be added to an available attribute group or a new attribute group which is then associated with the product type in Data Maintenance. If an invalid value is entered, the value needs to be excluded from the applicable attribute available values or the attribute will need to reference the correct table to provide a list of values during entry.

Issue: Customer will not post.

Cause: A required field is not filled in or an invalid value has been entered.

Troubleshooting: Try to create the customer in the standard SAP customer create transaction (XD01) with the same data minus the Data Maintenance fields. If a required field does not have data, that attribute will need to be added to an available attribute group or a new attribute group which is then associated with the product type in Data Maintenance. If an invalid value is entered, the value needs to be excluded from the applicable attribute available values or the attribute will need to reference the correct table to provide a list of values during entry.

Issue: Vendor will not post.

Cause: A required field is not filled in or an invalid value has been entered.

Troubleshooting: Try to create the vendor in the standard SAP vendor create transaction (XK01) with the same data minus the Data Maintenance fields. If a required field does not have data, that attribute will need to be added to an available attribute group or a new attribute group which is then associated with the product type in Data Maintenance. If an invalid value is entered, the value needs to be excluded from the applicable attribute available values or the attribute will need to reference the correct table to provide a list of values during entry.

Issue: A pricing record will not save.

Cause: A required field is not filled in or an invalid value has been entered entered.

Troubleshooting: Try to create the condition record in the standard SAP condition record create transaction (VK11) with the same data minus the Data Maintenance fields. If a required field does not have data, the field may be missing from need to be changed.

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