1 Installation Prerequisites and Requirements

If you are installing MDCMS Version 6.8 over the top of an existing MDCMS Version, that version must be at least MDCMS Version 6.2.4. If you are currently using a version older than 6.2.4, it is recommended to first install 6.3.2 before upgrading to Version 6.8.

You can see which version you are currently using by typing MDCMS from a command line and looking at the bottom right of the screen **or** by using the System Settings option from the MDCMS Setup Menu.

Version 6.8 is NOT backwards compatible with versions of MDCMS on other systems that are older than 6.8.

2 MDCMS Enhancements (Build December 13, 2011)

This release of MDCMS contains many core enhancements to improve stability and ease-of-use in addition to the significant addition of the ability to utilize Project Tasks and Subtasks within additional interfaces.

2.1 Enhancement to link Object Requests to Tasks and Subtasks

Within all MDCMS interfaces (5250, MDOpen, MDWorkflow) Object Requests can now be linked to specific Tasks and Subtasks for tracking active and historical modifications within those interfaces.

The ability to Add, Edit, Copy, Cancel, Display and Close a Task or Subtask has been added within the 5250 UI. The Object Manager panel in the 5250 UI has been enhanced to include filter values for Task and Subtask enabling the user to additionally filter the contents of Object Manager by these values. When an Object Request is assigned to a Task or Subtask (or is assigned to multiple Projects, Tasks or Subtasks) a plus sign (+) will be displayed to the right of the Project column. Using option 6- Edit Projects for Request will display all Projects, Tasks and Subtasks assigned to an Object Request.

2.2 Task and Subtask management from MDCMS 5250 UI and MDOpen

Project Tasks and Subtasks can be created, edited, listed, and searched directly within both the MDCMS 5250 UI and the Eclipse based MDOpen plug-in.

With the addition of the visibility of a Project's Tasks and Subtasks within the 5250 UI and MDOpen users now have the ability to fully manage all Project components. The Project Listing panel in the 5250 UI now includes the option *T=Tasks* that will enable a user to drill down on Tasks associated with a Project. From the subsequent Task Listing panel a user can then drill down on Subtasks for the Task with the *S=Subtasks* option.

Addition of fields in 5250 UI for Project
The following fields have been added to the 5250 UI Project panels:
    Assign to Group and User

The following fields have been added to the 5250 UI Project Report panel:
Assigned Group

Note: If a Task or Subtask has more than one value specified for the Assign to Group and Test Group values then only the primary entry (alphabetically) will be displayed in the 5250 UI. To manage a Task's or Subtask's Assign to Group or Test Group the user will need to review the Involved Users section of the Task or Subtask within MDWorkflow.

2.3 Warning message issued when closing active Project or Task when Tasks or Subtasks are still active.

When selecting to close a Project or Task, MDCMS checks to see if there are any active Tasks or Subtasks for the Project or Task. If so, a warning message is issued to the user to alert them to the condition. If the user chooses to proceed with the update to close the Project or Task all active Tasks and Subtasks will be closed along with the Project or Task.

2.4 Request Objects directly from IFS

Programmers using MDOpen can now check out objects directly from IFS and copy those objects directly into the local workspace for modification.
Objects residing in IFS can also be requested for Deletion by selecting them directly from the MDOpen listing for IFS.

2.5 Request Remote Objects directly from Server

Programmers using MDOpen can now check out objects directly from a Remote Server and copy those objects directly into the local workspace for modification. Objects residing on a Remote Server can also be requested for Deletion by selecting them directly from the MDOpen listing for the Remote Server.

2.6 Enhancement to *RFP User Groups selection within the MDMAIL/MDMAILF commands

When a value of *RFP is used for the *User Group of Recipients* (GRPN) within the MDMAIL or MDMAILF command an additional parameter for *Group Type of Recipients* (GRPT) will then be available to allow for the additional definition of the Group based on the Projects included in the RFP.
The value *ACCGRP (command default) will send the email to all Acceptance groups for all Projects within the RFP and the value *TECGRP will send the mail to all Technical groups for all projects within the RFP. A fixed Group Type value may also be used for the parameter.
This will enable the MDWorkflow process to communicate information to the appropriate Groups based on the Projects defined within the RFP for an exit point.

2.7 Additional exit points for RFP Test Status

New Exit Points, *S=RFP Test Status accepted* in MDWorkflow and *T=RFP Test Status rejected in MDWorkflow* have been added to the list of available Command Types. Both commands can be used with a Usage Attribute of *RFP to enable a user to communicate that the Test Status has either been accepted or rejected within MDWorkflow.

2.8 Enhancement to enable the distribution of *RFP commands to remote systems

When sending settings for a promotion level to a remote system (*Main Menu option 1 MDCMS Setup Menu then option 12 Send Settings to Remote System*) all *RFP command types will now be sent when using either the *ALL or *RFP Attribute value.

2.9 Enhancement to include Task description text in email Subject line

The email subject line for MDWorkflow Task and Subtask emails will now include the entire first line of the Project Title, Task Description and Subtask Description field. This will enable the intended recipient to quickly review and identify the nature of the MDWorkflow email notification.

2.10 New security code to allow related objects to be required or bypassed during RFP submit phase

When the RFP Pre-Submit validator process finds missing dependent objects for a file, the user is now required to include those dependencies on the RFP unless the user has authority to new MDSEC code 35 Ignore Requirement to Request Related Objects.

2.11 *REPLACE option for data group files without unique keys

Files defined for the attribute type *DTAGRP are no longer required to be uniquely keyed when using the *REPLACE option

2.12 Compare Source to Check out to other Source on Local Partition

The Synchronization Settings have been enhanced to allow Source Compare settings to be defined for the local partition, in case this would be preferred over comparisons to source on remote partitions.

2.13 MDWorkflow *Assigned Group* has been added to Project panels in 5250 UI and Project Listing report

The MDWorkflow Group value has been added to the 5250 UI Edit, Add and Display Project panels labelled as "Assign to Group". The "Assign to Group" value has also been added to the Project Report as "Assigned Group". This will enable this value to be selected and included within the Project Report.
In addition, the previously labelled value for "Programmer" has been relabelled "Assigned User" within the 5250 UI.

2.14 Enhancement to enable Robot/SCHEDULE job data to be controlled within MDCMS

The Help Systems Robot/SCHEDULE data (scheduled jobs) can now be managed within MDCMS. The Robot/SCHEDULE data is configured using the *DTAGRP Attribute with the File value set to *ROBOT and the library set to the Robot/SCHEDULE product library (typically ROBOTLIB).

2.15 Enhancement to add Robot/SCHEDULE data to MDXREF

If Robot/SCHEDULE data is cross-referenced within MDXREF when using *ROBOT for the library value then the job information will be updated in MDXREF when the data is managed using MDCMS.

2.16 Primary Group authority value replaced when modifying object.

If MDCMS replaces an object at installation time that contained a Primary Group authority value then that authority value will be reapplied to the new version of the object during the RFP process. If a new object requires the setting of a Primary Group authority value it must be done with a Post-Run command for the object.

2.17 New API for receiving GoAnywhere™ deployments from IFS savefiles on target system

A new command, **MDRCVIFS** (MDCMS – Receive RFPs in IFS), can be used to check for RFPs that are staged within the IFS waiting to be received onto a system. This can occur when using the GoAnywhere™ Managed File Transfer (MFT) product from Linoma Software to transfer RFPs from one system to another.

2.18 Setting library list for *Run MD Report* (MDRUNRPT) API is no longer required

When using the Run MD Report (MDRUNRPT) API the MD libraries no longer need to be added to the library list prior to execution. The necessary libraries, based on the MDCMS Instance parameter within the API, will be automatically added to the execution environment.

2.19 Enhancement to Report Export and Conversions for Tab delimited data

The export of data and MDWorkflow reports to CSV (with optional conversion to XLS) is now done with the TAB value rather than a string value. If an MDWorkflow entity contains a TAB, a message will be supplied to the user by the reporting tool.

2.20   New MDSEC Security reports for Users and Groups

Two (2) new reports are now available in the MDSEC Report generator panel.
Users in Group
Groups for User
The MDSEC Report Generator report selection has been expanded to now include a Report selection panel where the user can select the type of report to run. After selection you will be taken to the appropriate panel for that report where you will fill in the report selection criteria.
The MDSEC Report Generator panel includes the following options:
1=Group Authority *[replaces previous criteria selection of G=Group]*
2=User Authority *[replaces previous criteria selection of U=User]*
3=Users in Group *[new report]*
4=Groups for User *[new report]*

2.21   Enhancement to MD Object Comparison Report to include parameter for Compare Source Change Date of objects

The MDXREF Object Comparison Report (Option 1 from MDXREF Report Menu *"Compare Objects between 2 Libraries"*) can now optionally compare the Source Change Dates of objects

2.22   Data Comparison and Journal Analysis reports can now utilize binary and variable length fields

The MD Data Comparison Report and the MD Journal Analysis Report may now include binary and variable length fields.

2.23   Job Name included in Journal Analysis report

The journal transactions in the MDXREF Journal Analysis report can now be filtered by job name and the job name is listed for each transaction in the report.

2.24   Add ability to save report definition for MD Journal Analysis report definition

The report definition for the MD Journal Analysis Report can be saved with the F9=Save Def function key to be reused within MDXREF or with the Run MD Report (MDRUNRPT) API.

2.25   Changes to MDCMS – Update Project (MDUPDPROJ) command:

The *MDCMS – Update Project* command has been enhanced to include parameters for:

Keyword	Description
MDENV	MDCMS Instance – *DFT is the default value.
OTIM	Time Opened – The time the Project was Opened
AUTT	Time Authorized – The time the Project was Authorized
STIM	Time Started – The time the Project was Started
TTIM	Time Test Ready – The time the Project was Test Ready
ATIM	Time Approved – the time the Project was Approved
CTIM	Time Closed – the time the Project was Closed
DUSR	Cancelled by User – the user who cancelled the Project
DDAT	Date Cancelled – the date the Project was cancelled
DTIM	Time Cancelled – the time the Project was cancelled

2.26   Project Listing view changes in MDWorkflow

The Project Listings view has been changed as follows:
- A filter value for "Location" and "RFP" has been added to enable the additional filtering by Location and RFP number.
- A link to "Objects" has been included under the "Links" heading. This will enable a user to directly access the Active and Processed Object Requests across all systems. The available filtering values can be used to subset the list when searching.

3 MDCMS Enhancements (Build January 28, 2012)

3.1 Install RFPs based on Project, Task, or Subtask

The commands MDSBMRFP (Submit RFPs) and MDINSRFP (Install RFPs) have been enhanced to include filters for the Project, Task, or Subtask. These APIs will process an RFP, if one or more objects in the RFP contain the Project, Task or Subtask provided in the command.

3.2 Multiple MDWorkflow Windows for a Single Session

Once logged into an MDWorkflow session within a web browser, links to Projects, Tasks or RFPs in an email can be clicked to open those entities in a new browser tab/window without the need to re-enter the user credentials.

Up to 5 concurrent windows may be active per browser session.

3.3 CCSID Settings for the Display of Characters in MDOpen & MDWorkflow

In order to ensure that the users of MDOpen and MDWorkflow will correctly see the data stored in MDCMS, field CCSID has been added to the MDCMS system settings. Based on the CCSID, the file data will be converted to UNICODE before being passed in the xml to MDOpen or MDWorkflow.

If certain users require a different CCSID for their locale, a CCSID override can be defined for those users in MDSEC.

CCSIDs are also provided for Bidirectional languages such as Arabic and Hebrew.

3.4 Retention of Expanded Elements in MDOpen

When elements in tree views in MDOpen are expanded or collapsed, MDOpen keeps those elements in that expansion state when listed at a later time. Such tree views include RFP Objects, Project Objects, Task Objects and Directory Objects.

3.5 FTPS Client Certificate Settings

If objects are to be deployed to remote servers using FTPS, all necessary settings are now available per server to define the location, type, and credentials for the connection.