



User Manual

MDCMS Migration Instructions From Implementer

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1 Overview

These instructions are intended for MDCMS customers that previously used the Implementer product to manage application changes on the IBM i (AS/400).

MDCMS provides a framework to map and migrate all relevant activity from Implementer to MDCMS. The following entities are migrated:

- Projects
- RFPs (Requests)
- Historical Object Deployment information
- Archived Source
- Active Checkouts

2 Preparation

MDCMS must already be installed and fully configured prior to running the migration.

Settings are intentionally not migrated. This is in order to ensure that all of the advantages of MDCMS can be realized going forward. It is recommended to configure the settings based on best practices for all current and future development rather than based on historical processes.

Mapping Tables are generated by MDCMS to properly place the activity within the new MDCMS flow.

MDCMS allows for historical activity to be stored without corresponding settings. This is to reduce settings to those applications, levels and attributes that are actively used.

2.1 Allowed State of Implementer

Actively checked out source and objects are permitted and open requests are also allowed. However, no requests should be in the process of being installed during the migration process.

2.2 Allowed State of MDCMS

MDCMS may already be in use for application changes prior to the migration. MDCMS ensures that duplicates are avoided.

Once the backup step of the Migration is started, all activity in MDCMS must cease until the migration is complete (typically less than 20 minutes later) and the decision is made whether or not to roll back the migration. Any activity performed between the backup and roll back will be lost if a roll back is performed.

2.3 Legacy Migration License Key

In order to use the Implementer Migration tool, a valid license for the Legacy Migration product must be applied on the development partition(s).



3 MDCMS Product Migration Menu (MDMIGIM)

A user with at least change authority to MDCMS and usage authority to Implementer should go to a command line using F21 from the MDCMS Main Menu.
From the command line, type command MDMIGIM and press Enter.

```
MDMIGI00          MD T 8.0.2 6.1          19.09.17
SCRN1             MDCMS Product Migration Menu 14:37:17
From Product: IMPLEMEN

  Opt Process Step
  1  General Settings          ok
  2  Build/Rebuild Mapping Data ok
                                     ok
  4  Verify Levels            ok
  5  Verify Attributes        ok
                                     ok

 20  Backup MDCMS             ok
 21  Migrate Data              ok
 22  Migrate Archived Source   ok   30  Rollback MDCMS

Selection:  __

F3=Exit  F6=Messages  F8=Submitted Jobs  F11=View Output  F21=Sys Command
```

Opt

The option number for a Migration Process Step. An option is only available if the prior step has been completed (ok).

Option 30 to Rollback MDCMS will display and can be used any time after option 20 to backup MDCMS has completed.



3.1 General Settings

Parameter	Description
Product Data Library	The library containing the Implementer Product data – typically named MKSIM
Minimum History Date	The oldest date of completed request data to be migrated. Active data is not filtered by this date value.

3.2 Build/Rebuild Mapping Data

This process collects all necessary settings from Implementer, based on current and historical activity within that product. It then tries to map the settings from Implementer to the settings defined in MDCMS. If, during the verification of the mapping, you find that additional settings need to be added to MDCMS, you can rebuild the Mapping Data. All manually set mappings are left in place when a rebuild occurs.

3.3 Verify Levels

Parameter	Description
Option	M – Migrate all (active and historical) object requests that were for the application level A – Migrate only active object requests for the application level H – Migrate only historical object requests for the application level O – Omit the migration of all object requests for the application level
	The requests can be further restricted by attribute
Env Code	The Target Environment code in Implementer
Description	The Implementer Description of the Application Level
PGM Lib	The target program library for the Implementer Environment Code
DTA Lib	The target data library for the Implementer Environment Code
SRC Lib	The target source library for the Implementer Environment Code
MD Appl	The Application code to be used in MDCMS
MD Lvl	The Application Level number to be used in MDCMS – must be valid for active requests

Press F4 to select from a list of valid values



3.4 Verify Attributes

Parameter	Description
Option	<p>M – Migrate all (active and historical) object requests that were for the attribute A – Migrate only active object requests for the attribute H – Migrate only historical object requests for the attribute O – Omit the migration of all object requests for the attribute</p> <p>The requests cannot be less restricted for an attribute than for the attribute's level</p>
Env Code	The Target Environment code in Implementer
Obj Code	<p>The Object Code in Implementer Press F8 to view the target libraries and most recent installation of the Object Code</p>
Type	The Object Type in Implementer
Spc Type	The Special Type in Implementer to describe special classes of objects
Appl	The Application code to be used in MDCMS
Lvl	The Application Level number to be used in MDCMS
Type	The Object Type in MDCMS
Attribute	<p>The Attribute Code to be used in MDCMS – must be valid for active requests Press F4 to select from a list of valid values Press F7 on a row containing a modified valid MDCMS attribute value to repeat that value for every row after that row with the same Implementer Object Code</p>
Act Usage	Y – Active Requests exist in Implementer for the Object Code
Hst Usage	Y – Historical Requests exist in Implementer for the Object Code

3.5 Backup MDCMS

Once all Data Mapping elements have been verified, it is time for the migration itself.

The backup creates copies of the MDCMS files that are updated by the migration process.

IMPORTANT – do not begin with this step until all users have ceased activity within MDCMS, MDOpen, and MDWorkflow. It is ok to continue using MDXREF. If a rollback of the migration is necessary, the image of MDCMS will be based on the backup created with this step and all activity performed after the backup will be erased.



3.6 Migrate Data

The Data in Implementer is mapped to MDCMS. This step typically takes less than 20 minutes to complete.

Upon completion, it is recommended to view the Projects, RFPs and Objects in MDCMS or MDWorkflow to verify that the data is mapped as intended.

If the verification shows issues in the mapping settings, or if an exception occurred during migration, use option 30 to roll back MDCMS to the state it was in when backed up.

3.7 Migrate Archived Source

The historical source is moved from the Implementer Source Backup Libraries to the MDCMS source archive and the Object History is updated to reflect the existence of the source archives for retrieval, comparison and rollback capabilities. The number of generations migrated for any given source member depends on the MDCMS settings for the given Application Level. If the level is not defined in MDCMS (historical only), then the 30 newest generations will be saved.

This step typically takes less than 1 hour to complete. If this process ends abnormally for some reason prior to completion, it can be restarted and will automatically continue where it had left off.

3.8 Rollback MDCMS

If issues are found with the migration, or if an exception occurred during migration, use option 30 to roll back MDCMS to the state it was in when backed up. All activity that occurred since the backup will be lost.

3.9 Reset Migration Process

If, for some reason (such as migrating from multiple instances of Implementer), you would like clear out all previously entered information and completely restart the Migration Process from the first step, take the following steps:

- 1) Go to a command line from within MDCMS using F21
- 2) Enter command `CLRPFM MDDMIGM`
- 3) Enter command `CHGDTAARA DTAARA(MDMIGSTEP *ALL) VALUE(0)`