User Manual

MDCMS Migration Instructions
From ARCAD

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1   Overview

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

MDCMS provides a framework to map and migrate historical activity and archived source from ARCAD to MDCMS.

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 limit settings to those applications, levels and attributes that are actively used.

2.1   Allowed State of ARCAD

No requests should be in the process of being installed into production during the migration process. Active checkouts aren't migrated as typically there is a substantial amount of unnecessary data that shouldn't be migrated into MDCMS. For this reason, any ongoing projects should instead be imported using the Library import tools to select only those members and objects that are still relevant going forward.

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 ARCAD Migration tool, a valid license for the Legacy Migration product must be applied on the development partition(s).

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3 MDCMS Product Migration Menu (MDMIGARC)

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

```
MDMIGA00                          MD T 8.2 dev                         27.03.20
SCRN1                       MDCMS Product Migration Menu                19:03:28
From Product: ARCAD


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




            20  Backup MDCMS                  ok
            21  Migrate Data                  ok
            22  Migrate Archived Source            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 ARCAD Product data – typically named ARCAD_PRD
Product Program Library	The library containing the ARCAD Product programs – typically named ARCAD_PRD
Product Language Library	The library containing the ARCAD Language-Specific objects – typically named ARCAD_ENG
Project for Migration	The name of a project created in MDCMS to apply all migrated history to. It is recommended to have a separate project just for this for simple filtering of the history.
Minimum History Date	The oldest date of completed request data to be migrated.

3.2   Build/Rebuild Mapping Data

This process collects all necessary settings from ARCAD, based on historical activity within that product for each application. It then tries to map the settings from ARCAD 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 Applications

Parameter	Description
Option	H – Migrate historical object requests for the application O – Omit the migration of all object requests for the application The requests can be further restricted by level and attribute
Appl	The Application code in ARCAD
Description	The ARCAD Description of the Application code
MD Appl	The Application code to be used in MDCMS
MD Lvl	The Application Level number to be used in MDCMS – it should be the copy of the production level on the development partition Press F4 to select from a list of valid values

3.4 Verify Attributes

Parameter	Description
Option	H – Migrate historical object requests for the attribute O – Omit the migration of all object requests for the attribute
Appl	The Application code in ARCAD
Type	The Object Type in ARCAD
Attribute	The Object Attribute in ARCAD
Obj Lib	The target object library for the attribute in ARCAD based on the Object Library group code
Src Lib	The target object library for the attribute in ARCAD based on the Source Library group code
OLib Grp	The object library group code
SLib Grp	The source library group code
Src File	The target source file for the attribute. The view can be toggled between Library Group Codes and Source File using the F8 key.
Appl	The Application code to be used in MDCMS
Lvl	The Application Level number to be used in MDCMS
Attribute	The Attribute Code to be used in MDCMS Press F4 to select from a list of valid values

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 ARCAD is mapped to MDCMS. This step typically takes less than 20 minutes to complete.
Upon completion, it is recommended to view the RFP History and Object History in MDCMS 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 copied from the ARCAD Version Libraries for newer source and the ARCAD save files for older source 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, then the 20 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 ARCAD), 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)