

How-To Guide: Mass Import Additional for RFM Solutions by Prometheus Group

Applies to

Prometheus Group Solutions for MDG RFM

Summary

MDG for RFM include standard implementations of the Mass Import that reads the data from file which captured from other system. The data in the file can be saved to 'Active Area' directly or 'Staging Area' based on the options chosen in the Import Master Data and Mapping Information screen. The standard implementations support Key Mapping and Value Mapping.

This guide describes the necessary configuration steps for implementing Mass Import. This guide explains the Mass Import for Additional Entity.

You can perform most configuration tasks in Customizing for Master Data Governance under SAP Reference IMG > Cross Application Components > Processes and Tools for Enterprise Applications > Master Data Governance.

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Introduction

This reference guide helps you understand the Mass Import of Article Master Additional Entity data in Utopia Retail and Fashion Management (RFM) S/4HANA on MDG. This guide also provides the background information about the Data Import Framework (DIF) and describes process of using DIF to upload Article data from an xml file.

Target Audience

The target audience for this guide comprises:

- Technology Consultants
- Security Consultants
- System Administrators

Business Scenario Overview

Utopia Retail and Fashion Management (RFM) extension for Master Data Governance (MDG) Retail Article (MDG-RFM) provides business processes to find, create and change Article Master data, and to mark it for deletion. It supports the governance of Article Master data on a central hub and the distribution of Article Master data to connected operational and business intelligence systems.

The processes are workflow-driven and can include several approval and revision phases, including collaboration between all users participating in master data maintenance.

You can use the Import Master Data service to import files containing article and Additional data to the Master Data Governance (MDG) system. The data from these files can update existing master data records (Active Area records only) or create new ones using the options available in the Import Master Data service.

General Background Information for Data Transfer

Data transfer represents a collection of functions and features that you can use to move master data and map information between the systems and the clients. Examples of the systems include existing ERP systems and your Master Data Governance hub system.

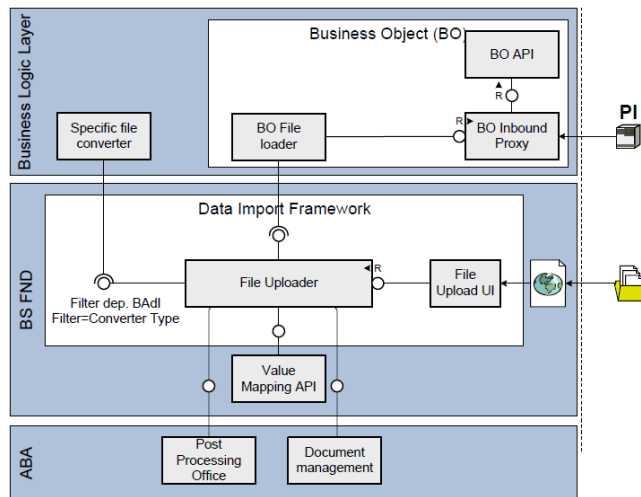
To transfer master data and mapping information, use the following steps:

1. Export the master data and mapping information from the source system to an xml file. This file is saved on your application server.
2. Copy the xml file from the application server of the source system to the application server of your target system.
3. Import the master data and mapping information to the target system using the Data Import Framework (DIF).

MDG – Generic Services

Data Import Framework

The Data Import Framework is used during data load into the master data hub. Data can be loaded into the active area and into the staging area.



Main features

- Uses SOA format
- File conversion
- Error Handling
- Simulation
- Predelivered Content
- Supports key and value mapping

Using DIF for Additional Entity Data Overview

This section provides the general background information about using the DIF for Article Master Data.

Limitation

It is possible to create Article Master data in the Staging or Active Area. In standard, updating an existing Article Master is currently only possible in the Active Area. However, this was made possible even in Staging Area for Article Master - Additional as per the customer requirements






Customizing

Define Object Types

Use the following steps to define Object Types:



1. Go to Master Data Governance > General Settings > Data Transfer > Define Object Types and define the following Object Types.
 - Relationship to Business Object Type/Message Data Type
 - Implementing Classes
 - Additional Selection Fields
 - Sequence of Objects to be processed
 - Business Activity to be used in import

The customizing delivered with the solution enables you to run DIF with the SAP Standard Basic Types for Additional (MMADDI). If you want to use a Custom Basic Type, you need to enhance this customizing activity.




| Change View "Business Activity: Definition": Overview | | | | | | |
|---|----------------------------|-------------------------------|-----------|-------------|-------------|-----------------|
| New Entries      | | | | | | |
| Business Activity: Definition | | | | | | |
| Bus.Acty | Description (medium text) | D., Description (medium text) | BO Type | Description | Log. Action | Description |
| AD01 | Display Article | AR Article Maintenance | AR_BO_ART | MDG Article | CHANGE | Change |
| AR01 | Article Master Create | AR Article Maintenance | AR_BO_ART | MDG Article | CREATE | Create |
| AR02 | Article Master Change | AR Article Maintenance | AR_BO_ART | MDG Article | CHANGE | Change |
| AR03 | Article Master Display | AR Article Maintenance | AR_BO_ART | MDG Article | DISPLAY | Display |
| AR0A | Article Master Mass Change | AR Article Maintenance | AR_BO_ART | MDG Article | MASS | Mass Processing |

- In MDGIMG customizing, define new Object Types for Data Transfer.

Note: In this case, a new Object Type for Retail Article is provided as an example.

| Display IMG | |
|---|--|
| Existing BC Sets  BC Sets for Activity  Activated BC Sets | |
| Structure | |
| Master Data Governance | General Settings |
| | General Settings for Supplier |
| | Technical Settings for Master Data |
| | Data Modeling |
| | UI Modeling |
| | Data Quality and Search |
| | Process Modeling |
| | Data Replication |
| | Value Mapping |
| | Key Mapping |
| | Data Transfer |
| | Define Object Types for Data Transfer |
| | Define File Source and Archive Directories for Data Transfer |
| | Define File Converter Type for Data Import |
| | BAdI: Creation of File Converter for Data Import |
| | Configuration Workbench |

It is assumed that BO Type is defined earlier and assigned the same BO Type to the Retail Article Data Model. BO Type is essentially an alias to main entity in the Data Model.

| Display View "Define Object types for Data Transfer": Overview | | | | |
|---|-----------|---------------------------------------|------------|--------------------|
|    | | | | |
| Dialog Structure | | Define Object types for Data Transfer | | |
| Define Object types for | Obj. Type | Description | BO Type | Description |
| Detailed information f | UADI | RFM Article Additional | /UGI4/ADDI | Article Additional |
| Additional selection f | UAHR | RFM Article Hierarchy | /UGI4/ARHR | Article Hierarchy |
| Object List | UART | RFM Retail Article | DRF_0017 | Article (Retail) |
| Maintain Business Activit | | | | |

- Specify the Msg. Data Type.

In Retail Article, it is expected that the MMADDI01 IDoc is imported.

User can define different Msg. Data Type and assign a different Import Class.

The import class is also specified here. The import class is the main “program” that does the importing of the data.

- Set the “Active Import” checkbox.

Note: If the “Active Import” checkbox is not checked, the Object type is not displayed in the drop-down list of the import application. You can use the same import class for the different message data types (for example MMADDI01).

Display View "Detailed information for Object types": Details

Dialog Structure

- Define Object types for
 - Detailed information
 - Additional selection f
 - Object List
- Maintain Business Activit

Object Type: **UADI**

Msg. Data Type: **MMADDI01**

Detailed information for Object types

Msg. Data Type:

Namespace:

Import Class: **/UGI4/CL_MDG_FL_ART_MMADDI**

Conv. Class:

☐ Active Conv.

☒ Active Import

You can maintain several and different objects to an Object Type.

It is mandatory to have the Object Type in the Object List. The sequence column determines position where the objects are appearing in the popup.

Display View "Object List": Overview

Dialog Structure

- Define Object types for
 - Detailed information
 - Additional selection f
 - Object List
- Maintain Business Activit

Object Type: **UADI**

Object List

| Obj. List | Seq. |
|-----------|------|
| UADI | 1 |

The sequence column determines the position where the objects appear in the popup as displayed in the following screen.

- Maintain the Business Activity for the Object Type. User will assign a Mass Change Business Activity.

Display View "Maintain Business Activity": Overview

Dialog Structure

- Define Object types for
 - Detailed information
 - Additional selection f
 - Object List
- Maintain Business Activit

Maintain Business Activity

| Obj. Type | BO Type | Bus.Acty | Description |
|-----------|------------|----------|--------------------|
| UADI | /UGI4/ADDI | AR0B | Article Additional |
| UAHR | /UGI4/ARHR | FMSB | Article Hierarchy |
| UART | DRF_0017 | AR0B | Article (Retail) |

File Source and Archive Directories

While setting up the data import, you should define source and archive logical directories in the MDG Data Transfer Customizing Activity Master Data Governance > General Settings > Data Transfer > Define File Source and Archive Directories for Data Transfer.

For more information on logical directories, see the documents for the Customizing Activity Define File Source and Archive Directories for Data Transfer.

One or more logical source directories can be defined on the application server, where files for the import may be stored. After completion of the import, the system automatically moves the processed files to the defined archive directory for the given Object Type.

To assign directories as source or archives:

- Initially, the physical directory paths must be created in the file system.
- The SAP transaction code (t-code) FILE must be used to map them to logical names. You can use these logical names in the above-mentioned Customizing activity.

Consider creating several object-specific logical directories.

You can use the SAP t-code CG3Z to upload a file from the local file system to the application server.

Setup FILE Transaction in MDG-RFM

Use the following steps to setup t-code FILE in MDG-RFM:

1. Set up two logical paths in transaction file.
 - Path for the import files: ZMDG_RETAIL_ADDIMPORT
 - Path for the archive folder: ZMDG_RETAIL_ARCHIVE

Display View "Assignment of Physical Paths to Logical Path": Details

| | | |
|--|---------------|---|
| Dialog Structure Logical File Path Definition Assignment of Physical Paths Logical File Name Definition Definition of Variables Syntax Group Definition Assignment of Operating | Logical path | ZMDG_F2Q_RETAIL_ADDIMPORT |
| | Name | Additional file import |
| | Syntax group | UNIX Unix compatible |
| | Physical path | /usr/sap/mdgdir/ZDIR_MDG/addimport/<FILENAME> |

2. Set up the Logical File Name Definition.
 - a. Keep <PARAM_1> for the Physical file.
 - b. Point the Logical File Name Definition to the Logical Path defined earlier.

Display View "Logical File Name Definition, Cross-Client": Details

| | | |
|--|---------------|---------------------------|
| Dialog Structure Logical File Path Definition Assignment of Physical Paths Logical File Name Definition Definition of Variables Syntax Group Definition Assignment of Operating | Log. File | ZMDG_F2Q_RETAIL_ADDIMPORT |
| | Name | ZMDG_FS3_RETAIL_ADDIMPORT |
| | Physical file | <PARAM_1> |
| | Data format | BIN |
| | Applicat.area | BC |
| | Logical path | ZMDG_F2Q_RETAIL_ADDIMPORT |

Define File Source and Archive Directories for Data Transfer

The logical file path that was created in Transaction FILE is used. It is necessary to have an archive path for importing object types.

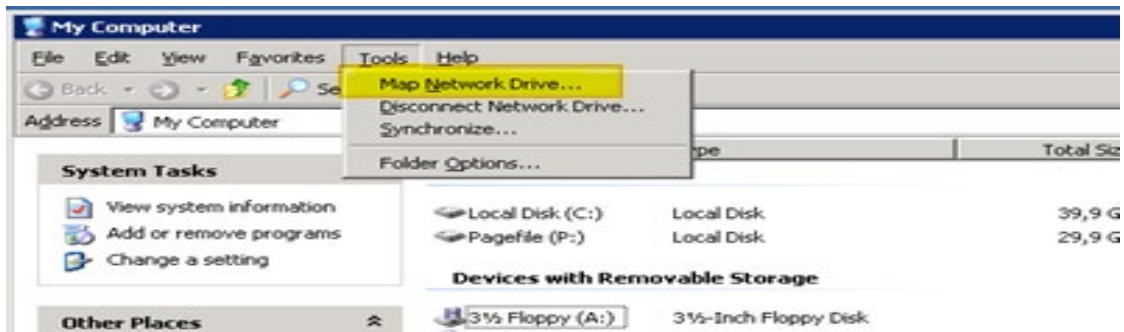
Display View "Logical File Path Definition": Overview

| Logical File Path | Name |
|---------------------------|-------------------------------------|
| ZMDG_F2Q_RETAIL_ADDIMPORT | Additional file import |
| ZMDG_F2Q_RETAIL_ARCHIVE | |
| ZMDG_F2Q_RETAIL_IMPORT | Artile data import source directory |

Set up File Import Folder

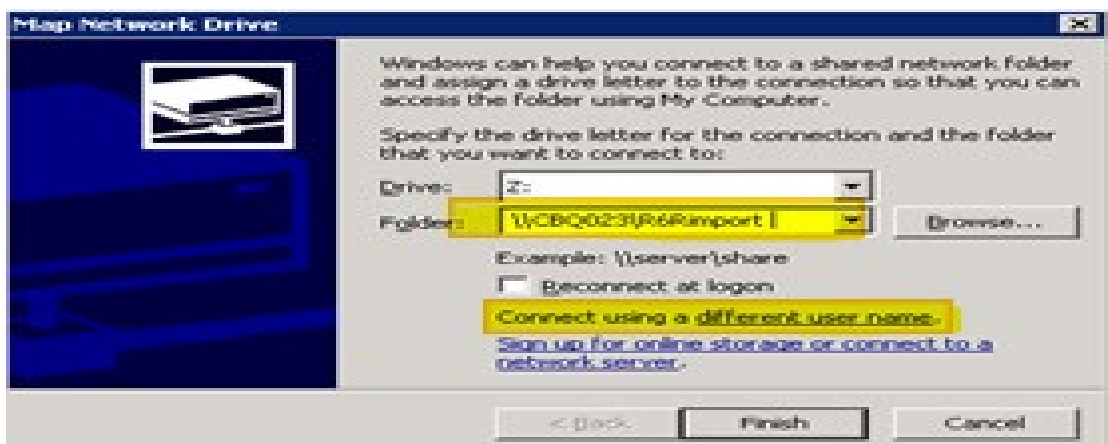
Use the following steps to setup the File Import folder.

1. From toolbar, click Tools > Map Network Drive.

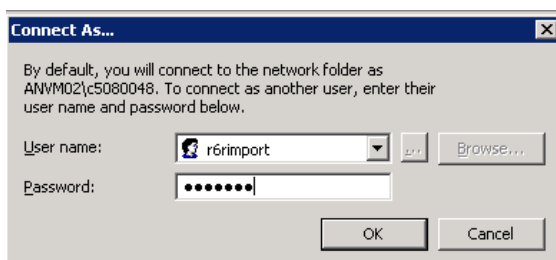


The system displays the Map Network Driver window.

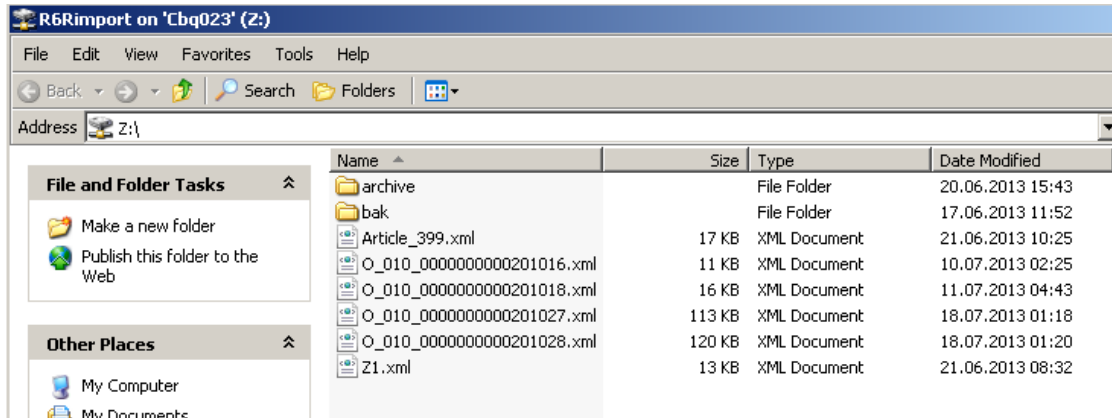
2. Click Folder dropdown list and select the relevant folder.



3. Click Browse. The system displays the Connect As popup.
4. Enter your credential details.



5. Click "OK" button. The import file folder is created. Import xml files are saved in this folder as displayed in the following screen.

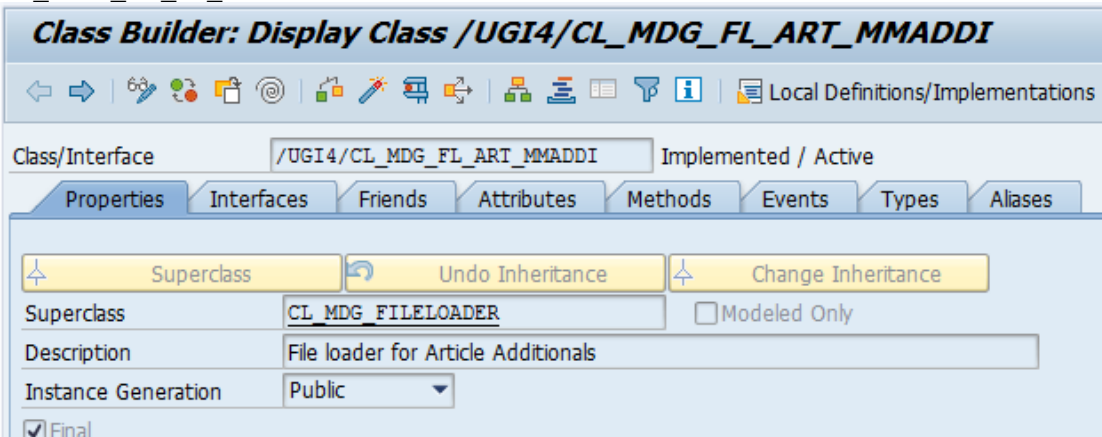


Import xml files are saved into this folder.

Loader Class

Class:/UGI4/CL_MDG_FL_ART_MMADDI

Note: /UGI4/CL_MDG_FL_ART_MMADDI was written with reference from CL_MDG_BS_FL_MATERIAL.



The importing class needs to inherit from the superclass CL_MDG_FILELOADER.

Methods of Loader Class

- [LOAD Method](#)
- [GET_INBOUND_STRUCTURE](#)
- [LOG_CREATE](#)
- [GET_IDoc_DATA](#)
- [SET_PROXY_PERSISTENCE](#)
- [CHECK_EXISTENCE_IN_ACTIVE_AREA](#)
- [CHECK_EXISTENCE_IN_STAGING](#)
- [REGISTER](#)

LOAD Method

This is the main method run by the import class to load the IDoc data into staging or Active Area. One IDoc can contain multiple articles.

The following important points of a loader class are listed.

- The DTIMPORT framework setting is read using the method "read_user_settings".

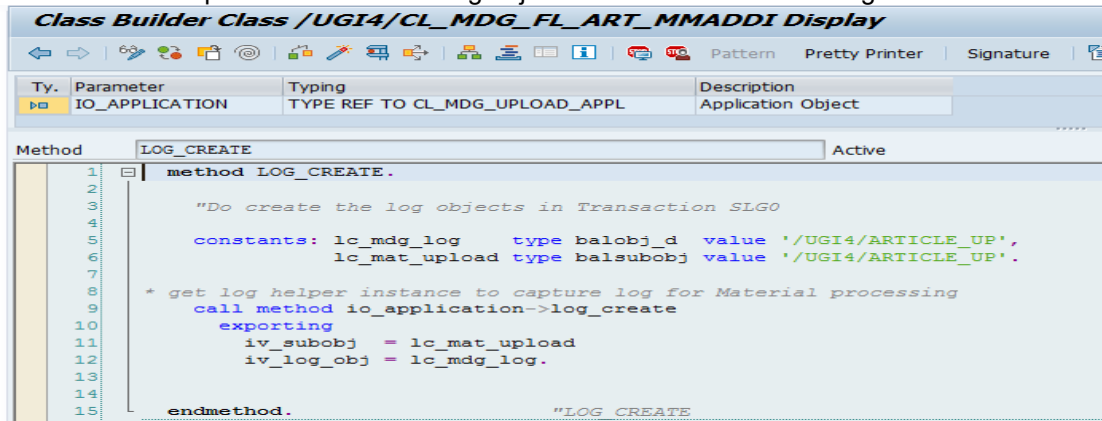
- One of the import parameters in this method `iv_content` brings in business data in xml content that is converted into various IDoc segments using method “`get_idoc_data`” in an external format.
- The external format data from the IDoc segments is segregated into Internal formatted IDoc segments using the methods “`convert_idoc_ctrl_records`” and “`convert_idoc_data_records`”.
- The IDoc segments are looped for each control segment record nested looped for data segment records on “Docnum” key.
- Vendor Characteristics are imported to Active Area. If Governance process is chosen, and results in error, then only import to Staging Area is possible.
- It is mandatory to fill the Object keys using method call “`fill_objectkeys`”.

GET_INBOUND_STRUCTURE

Specific structure “MDG_IDoc_DATA” maintained for IDoc is parsed in this method. This method fetches the inbound structure from the parameter `ev_name`.

LOG_CREATE

The method is implemented to create log objects that can be viewed using t-code SLG0.



GET_IDoc_DATA

This method is used to convert the xml data to IDoc data.

One of the import parameters “`iv_content`” in Load method holds business data in xml format which is converted to various IDoc segments using this `GET_IDoc_DATA` method in an external format (RAW).

SET_PROXY_PERSISTANCE

This method writes Proxy Persistence to global data (1: Staging 2: Active, 3: Active with Err) which is used by standard Governance APIs to process the data.

- If user choose Persistence choice = 1 it writes to staging or if user chooses persistence choice as 3 it writes Active Area with Errors sent to Staging
- Data import for Vendor Characteristics is possible only to Active Area, for example, Proxy persistence equal to 2.

CHECK_EXISTENCE_IN_ACTIVE_AREA

This method checks whether the Article is present in the database (Active Area). This method uses the Function “`MARA_SINGLE_READ`” to check whether the Article referenced by the Purchase Info Record exists in Active Area.

If it exists in Active Area and if the user has not checked “Overwrite” option in DTIMPORT, the import of the Purchase Info Record will be rejected (Message 013: Article exists in Active Area; overwrite not allowed; article rejected). Otherwise, if the “Overwrite” option is ticked the Article will be overridden.

The caller of this method will then the method call “USMD_MSG_TO_BAPI_MSG” to collect all the messages for Persistence option 3 (write to Active Area)

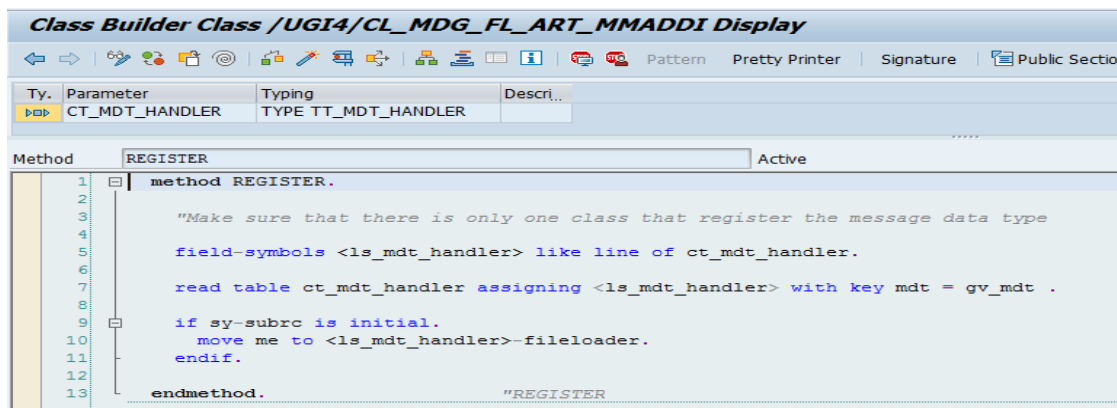
It finally calls the method “SAVE_TO_ACTIVE_AREA” that internally calls the BAPI function and writes directly to Active Area if the persistence value is set as 3.

CHECK_EXISTENCE_IN_STAGING

This method checks If Article is associated with any Change Request, if found it rejects the Article. It uses the method call “cl_usmd_crequest_api=>if_usmd_crequest_api~retrieve_crequest” by exporting entity, key value and data model to import CR data.

Register

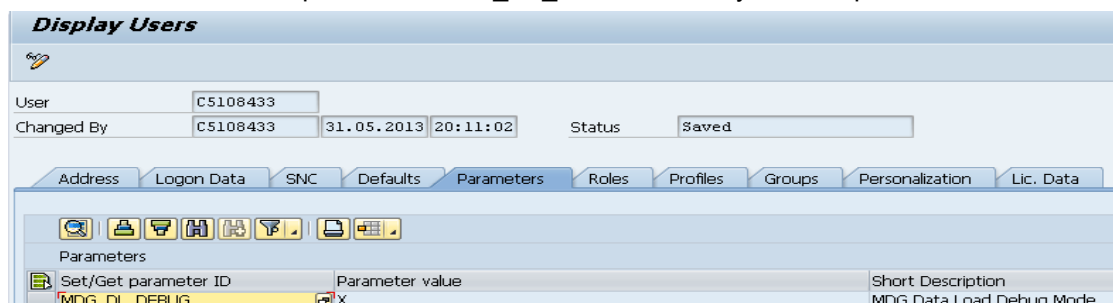
The method REGISTER needs to be re-defined by registering that this class will handle the message type.



Testing Importing Class

Note that if the user uses the front-end Web Dynpro application mdg_bs_file_import to import the files, then a job is scheduled in the background. This hinders the user for debugging the import class.

1. To test the class, set the parameter MDG_DL_DEBUG = X in your user parameters tab.



2. This parameter is read in class CL_MDG_UPLOAD_UI_ASSIST method FILE_UPLOAD. If the parameter is set, then users can put a remote breakpoint in the /UGI4/CL_MDG_FL_ART_SUBSTITUTN class to debug. Web Dynpro Applications

In EhP6, the new Web Dynpro application MDG_BS_FILE_IMPORT (t-code DTIMPORT) is delivered.

The new Web Dynpro applications support:

- One step process
- Aligned look and feel
- Enhanced file handling for import
- Improved mass import capabilities (allows asynchronous, scheduled and parallel processing via Web User Interface)
- Enhanced monitoring

Export File for Article using IDoc

IDoc Name: MMADDI

To export Article Master data, you need to configure a logical system for xml-IDoc extraction to the application server file system (in each client system). To achieve this, perform the following:

1. Create a Logical System (SALE)
2. Add IDoc type MMADDI to Distribution Model (BD64)
3. Create an Outbound Partner Profile (WE20)
4. Create a xml-file port for IDoc processing (WE21)
5. Send article data with transaction BD10, including Additional data.

Import Options

It is possible to perform a data import for one or more Additional (MMADDI) IDoc xml files, with one or more IDocs per xml file, and with each IDoc containing one or more Articles.

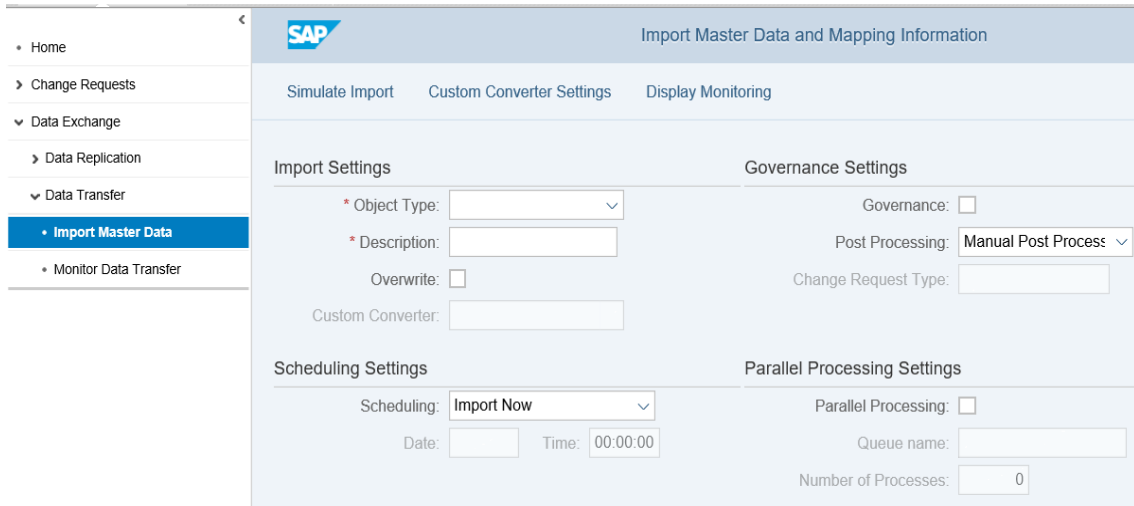
Note:

The class to be assigned to article must have been created in the MDG system before importing the Additional data.

Select options on MDG_BS_FILE_IMPORT (DTIMPORT) is available for Import (Create/Change) Article to Active Area with Vendor Characteristics.

Use the following steps to import:

1. Go to NWBC > Click on Master Data Governance for RFM > Data Exchange > Data Transfer > Import Master Data.



Enter the details for the fields as described in the following table:

| Field | Description |
|--|--|
| Object Type | Choose Article AR0B |
| Description | Description that helps identify import processes in the monitoring / logging |
| Overwrite | <ul style="list-style-type: none"> The overwrite option controls whether existing objects in the target system are overwritten. It can only be set if the IDoc will be imported to the Active Area. If you want to overwrite an Article in the Active Area, this indicator must be set. Otherwise, the import to the Active Area for an existing article will fail. If the Overwrite indicator is set, the article in the Active Area will be overwritten. If the Overwrite indicator is not set and the article is already in the Active Area, the article is rejected during import (and not written to the Staging Area). Custom Converter User defined conversion. Usually there is no additional transformation needed in this step (if the format is a SAP standard format - either IDoc or SOA based). |
| Governance | If activated, data is loaded into the Staging Area (a change request will be created). |
| Post Processing | Post processing for failed objects can be done manually (using "Forward Error Handling" or IDoc Monitoring) or can be supported by a change request process. |
| Change Request Type | You must select a change request type if "Governance" is set or "Post Processing defined by Change Request" is selected. |
| Scheduling / Date: | <ul style="list-style-type: none"> Scheduling: Indicator to determine if import is done immediately or at a scheduled date. Date: scheduling date and time |
| Parallel Processing / Queue Name / Number of Processes | <ul style="list-style-type: none"> Parallel Processing: indicator to determine if the import will be done with parallel processes. Queue Name: qRFC queue name which has been registered in t-code SMQ2 Number of Processes: The maximum number of parallel processes used. |
| Data Sources | Selection of source directories for the object types. This can be one or many per object type, and depending on the data transfer customizing, there might be main object types (for example Article) and sub object types (for example additional, Key Mapping, Value Mapping). |
| Import, Simulate Import | Starts the import process or a simulated import |
| Custom Converter Settings | A customer-defined converter can be leveraged by the import process. This converter can be defined and integrated in the Customizing Activity Master Data Governance > General Settings > Data Transfer > Define Filter Converter Type/BAdI: Filter dependent BAdI for file converter. |

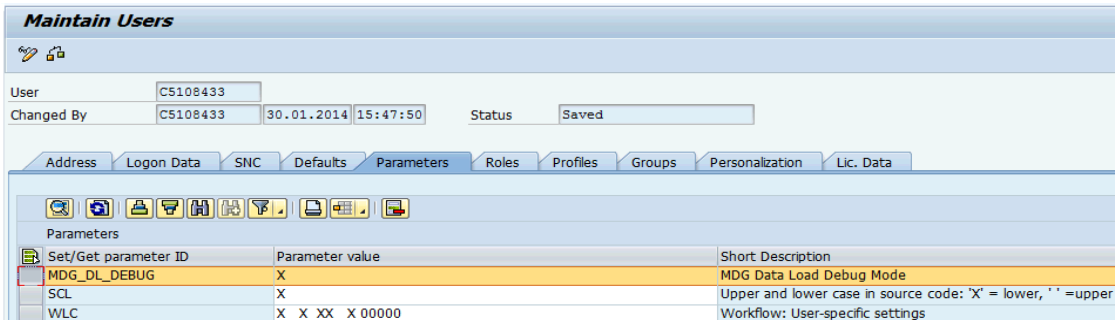
Display Monitoring

After the import has been started, you can navigate directly to the Monitoring. Web Dynpro application: MDG_BS_DL_MONITOR_CONF.

Scheduling File Import for MDG-RFM

Use the following steps to schedule File Import for MDG-RFM:

1. Ensure that the user does not have the MDG_DL_DEBUG parameter.



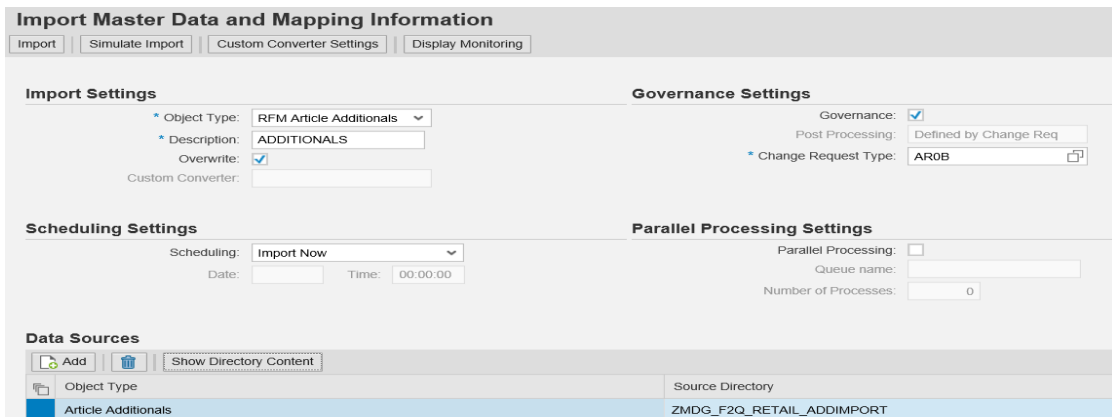
Maintain Users

User: C5108433
 Changed By: C5108433 30.01.2014 15:47:50 Status: Saved

Address Logon Data SNC Defaults **Parameters** Roles Profiles Groups Personalization Lic. Data

| Set/Get parameter ID | Parameter value | Short Description |
|----------------------|-----------------|---|
| MDG_DL_DEBUG | X | MDG Data Load Debug Mode |
| SCL | X | Upper and lower case in source code: 'X' = lower, '*' = upper |
| WLC | X X XX X 00000 | Workflow: User-specific settings |

2. Start DTIMPORT and select Scheduling for Future Import (Select a future Time).
 You need at least one file in the folder before the user can schedule the import (standard MDG behavior).



Import Master Data and Mapping Information

Import Simulate Import Custom Converter Settings Display Monitoring

Import Settings

* Object Type: RFM Article Additional
 * Description: ADDITIONALS
 Overwrite: ☒
 Custom Converter:

Governance Settings

Governance: ☒
 Post Processing: Defined by Change Req
 * Change Request Type: AR0B

Scheduling Settings

Scheduling: Import Now
 Date: Time: 00:00:00

Parallel Processing Settings

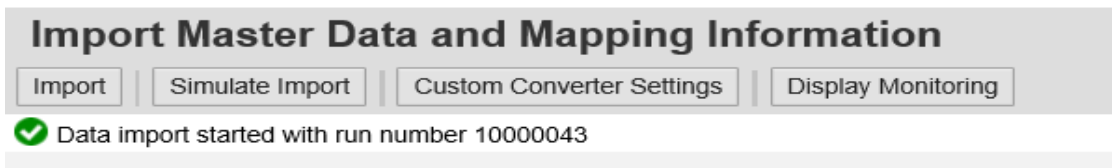
Parallel Processing: ☐
 Queue name:
 Number of Processes: 0

Data Sources

Add Show Directory Content

| Object Type | Source Directory |
|--------------------|---------------------------|
| Article Additional | ZMDG_F2Q_RETAIL_ADDIMPORT |

3. Click Import.



Import Master Data and Mapping Information

Import Simulate Import Custom Converter Settings Display Monitoring

✓ Data import started with run number 10000043

4. Click on Display Monitoring.

Replicate

Propagated Type/Date/Time/User

- 03.01.2018 04:57:10 [REDACTED]
 - Object type is Article Additional
 - Description: ADDITIONALS
 - Data import started with run number 10000043
- 03.01.2018 04:57:10 [REDACTED]
 - Description: ADDITIONALS
 - Object Type Processing Sequence: Article Additional
 - Processing files from directory /usr/sap/mdgdir/ZDIR_MDG/addimport/
 - Message Type MMADDI01 detected for file adi.xml
 - Change Request 1618 for Change Request Type AR0B is created

- Open Change Request – Approve and Activate the CR.
- Run t-code SM37 and look for the scheduled job that was created from DTIMPORT.

Simple Job Selection

Execute Extended Job Selection Information

Job Name [REDACTED]
User Name [REDACTED]

Job Status

☐ Sched. ☒ Released ☒ Ready ☒ Active ☒ Finished ☒ Canceled

Job Start Condition

From [REDACTED] 03.01.2018 To [REDACTED] 03.01.2018
From [REDACTED] To [REDACTED]
Or after event [REDACTED]

Job Step

ABAP Program Name [REDACTED]

You can notice a job JOB_DATALOAD_IMPORT released.

Job Overview

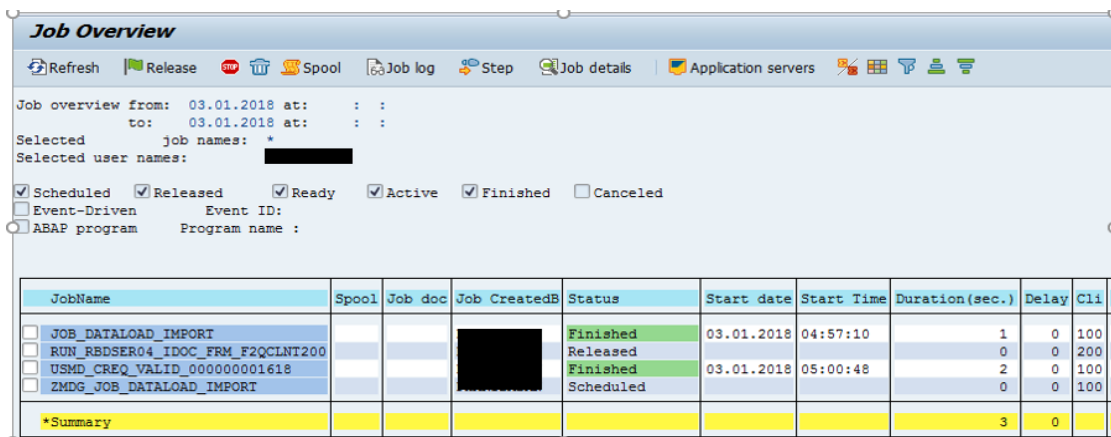
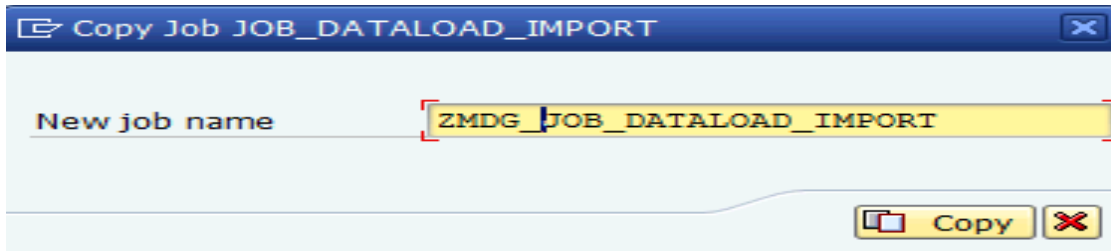
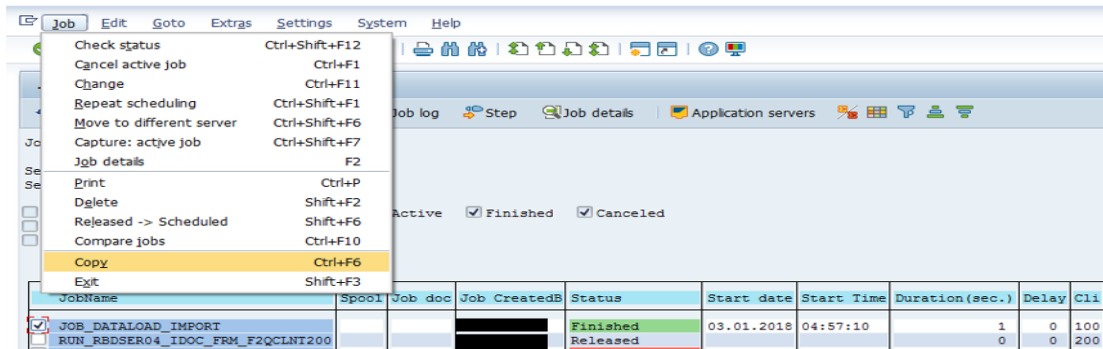
Refresh Release Spool Job log Step Job details Application servers

Job overview from: 03.01.2018 at: : :
to: 03.01.2018 at: : :
Selected job names: *
Selected user names: [REDACTED]

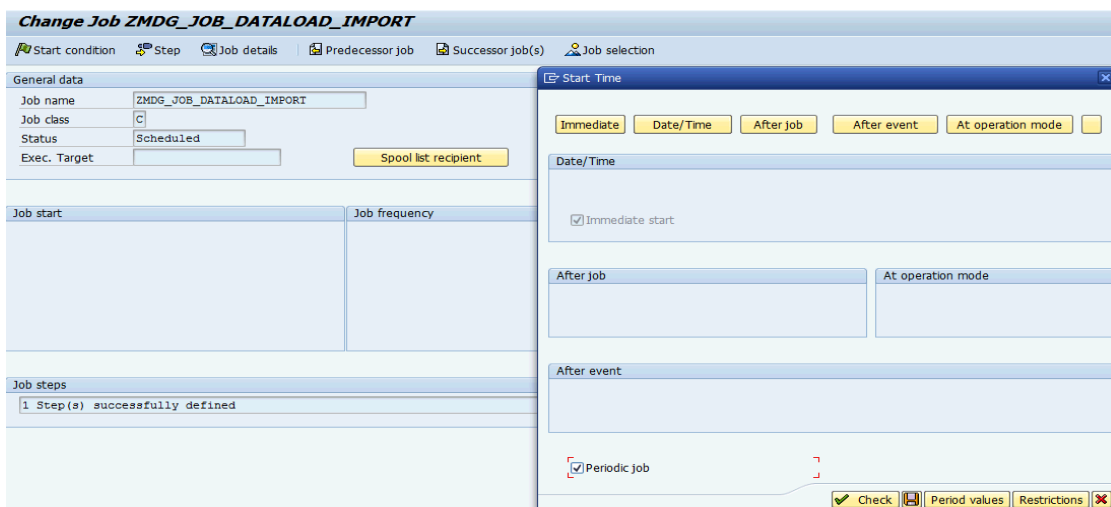
☐ Scheduled ☒ Released ☒ Ready ☒ Active ☒ Finished ☒ Canceled
☐ Event-Driven Event ID: : :
☐ ABAP program Program name :

| JobName | Spool | Job doc | Job CreatedB | Status | Start date | Start Time | Duration(sec.) | Delay | Cli | Re |
|----------------------------------|-------|---------|--------------|----------|------------|------------|----------------|-------|-----|----|
| JOB_DATALOAD_IMPORT | | | [REDACTED] | Finished | 03.01.2018 | 04:57:10 | 1 | 0 | 100 | |
| RUN_REDSER04_IDOC_FRM_F2QCLNT200 | | | [REDACTED] | Released | | | 0 | 0 | 200 | |

- Copy the job to a new custom job.



8. After the job is copied, you can set the periodic value.
9. Save and start the job immediately.






You will notice that the job has been released.


| Job Overview | | | | | | | | | | |
|---|-------|---------|--------------|----------|------------|------------|----------------|-------|-----|------------------|
| Refresh Release Spool Job log Step Job details Application servers | | | | | | | | | | |
| Job overview from: 03.01.2018 at: : : to: 03.01.2018 at: : : Selected job names: * Selected user names: | | | | | | | | | | |
| <input checked="" type="checkbox"/> Scheduled <input checked="" type="checkbox"/> Released <input checked="" type="checkbox"/> Ready <input checked="" type="checkbox"/> Active <input checked="" type="checkbox"/> Finished <input type="checkbox"/> Canceled <input type="checkbox"/> Event-Driven Event ID: <input type="checkbox"/> ABAP program Program name : | | | | | | | | | | |
| JobName | Spool | Job doc | Job CreatedB | Status | Start date | Start Time | Duration(sec.) | Delay | CLI | Reason for Delay |
| JOB_DATALOAD_IMPORT | | | | Finished | 03.01.2018 | 04:57:10 | 1 | 0 | 100 | |
| RUN_RBDSE04_IDOC_FRM_F2QCINT200 | | | | Released | | | 0 | 0 | 200 | |
| USMD_CREQ_VALID_000000001618 | | | | Finished | 03.01.2018 | 05:00:48 | 2 | 0 | 100 | |
| ZMDG_JOB_DATALOAD_IMPORT | | | | Finished | 03.01.2018 | 05:17:51 | 0 | 0 | 100 | |
| *Summary | | | | | | | 3 | 0 | | |

10. Run t-code SLG1 for any errors.

Display logs

  Technical Information  Help

| Date/Time/User | Nu... | External ID | Object text | Subobject Text | Transac... | Program | Mode | Log number |
|--|-------|------------------|------------------------|-----------------|------------|-------------|---------------|----------------------|
| 03.01.2018 04:53:49 ADMIN_CBTA | 1 | DIRECTLY | ... Data Replicatio... | Directly | | SAPMSSY1 | Dialog pro... | 00000000000000036434 |
| 03.01.2018 04:55:59 ADMIN_CBTA | 4 | CREQUEST_00... | Master Data Go... | Validation | | CL_USMD... | Dialog pro... | 00000000000000036435 |
| 03.01.2018 04:56:04 SAP_WFRT | 2 | CREQUEST Acti... | Master Data Go... | Change Requests | | CL_USMD... | Dialog pro... | 00000000000000036438 |
| 03.01.2018 04:56:12 SAP_WFRT | 2 | DIRECTLY | ... Data Replicatio... | Directly | | SAPMSSY1 | Dialog pro... | 00000000000000036436 |
| 03.01.2018 04:56:12 SAP_WFRT | 15 | /UGL_AR /UGL... | Data Replicatio... | Directly | | SAPMSSY1 | Dialog pro... | 00000000000000036437 |
| 03.01.2018 04:57:10 | 3 | 10000043/AD... | MDG_FILE_PR... | MDG_FILE_UPL... | | CL_MDG... | Dialog pro... | 00000000000000036439 |
| * Problem class Additional Information | | | | | | | | |
| 03.01.2018 04:57:10 | 6 | 10000043/AD... | MDG_FILE_PR... | MDG_FILE_UPL... | | CL_MDG... | Batch proc... | 00000000000000036440 |
| * Problem class Additional Information | | | | | | | | |
| 03.01.2018 04:58:26 | 2 | /UGL_AR | ... Data Replicatio... | Manual | DRFOUT | RDRF_MES... | Dialog pro... | 00000000000000036441 |
| 03.01.2018 04:58:26 | 17 | /UGL_AR /UGL... | Data Replicatio... | Manual | DRFOUT | RDRF_MES... | Dialog pro... | 00000000000000036442 |
| 03.01.2018 04:58:46 SAP_WFRT | 1 | | Business Workfl... | System Job S... | | RSWVVERRE | Batch proc... | 00000000000000036443 |
| 03.01.2018 04:59:54 | 1 | NWBC | NetWeaver Bu... | NetWeaver Bu... | | SAPMHTTP | Dialog pro... | 00000000000000036444 |
| 03.01.2018 05:00:23 | 1 | NWBC | NetWeaver Bu... | NetWeaver Bu... | | SAPMHTTP | Dialog pro... | 00000000000000036445 |
| 03.01.2018 05:00:48 | 7 | CREQUEST_00... | Master Data Go... | Validation | | CL_USMD... | Batch proc... | 00000000000000036446 |
| 03.01.2018 05:01:20 SAP_WFRT | 5 | CREQUEST Acti... | Master Data Go... | Change Requests | | CL_USMD... | Dialog pro... | 00000000000000036449 |
| 03.01.2018 05:01:23 SAP_WFRT | 2 | DIRECTLY | ... Data Replicatio... | Directly | | SAPMSSY1 | Dialog pro... | 00000000000000036447 |



Ty... Message Text
Description: ADDITIONALS
Object Type Processing Sequence: Article Additional
Processing files from directory /usr/sap/mdgdir/ZDIR_MDG/addimport/
Message Type MMADDI01 detected for file adl.xml
Change Request 1618 for Change Request Type AR0B is created
Change Request 1618 is saved successfully

Error Handling

It is possible to perform data import for one or more MMADDI01 IDoc xml files, with one or more IDocs per xml file, and with each IDoc containing one or more materials.

| Scenario | No of xml Files | Import to Active Area | Import to Active Area, with errors sent to Staging Area | Import to Staging Area |
|----------------------|-----------------|--|---|---|
| 1IDoc, 1 article | 1 xml | If article has invalid data, import for the IDoc fails, with an error message providing what went wrong. | If article has invalid data, writing to Active Area fails and it is written to the Staging Area. An error message is displayed in log providing information on what went wrong while saving to the Active Area, along with the created change request number. If article is rejected while writing to Staging Area, an error message is displayed providing information on what went wrong. | If one article is rejected while writing to the Staging Area, all additional from the whole IDoc xml are rejected (all or nothing) and an error message is displayed providing information on what went wrong. Article import is rejected; Article & is not in Active Area. |
| 1 IDoc and n article | 1 xml | If one of the IDoc has individual data (e.g., invalid Season), all the article in IDoc is rejected (all or nothing behavior of /UGI8/MDG_AR_IDoc_INP | If one article in IDoc has invalid data (e.g., invalid Season Data), writing to Active Area fails and all article in IDoc are written to the Staging Area. If article | |

| Scenario | No of xml Files | Import to Active Area | Import to Active Area, with errors sent to Staging Area | Import to Staging Area |
|----------------------------|--------------------|--|--|------------------------|
| | | UT_MMADDI). For conditions like article already present in Active Area or locked in open CR, specific article objects will be rejected, while other article objects from the IDocs are processed normally. | is rejected by Staging Area, reject all article from the whole IDoc xml that should have been posted to Staging Area. An error message is placed providing information what went wrong. | |
| N IDocs and 1 article each | 1 xml/ IDoc | Same as row 2 – 1 IDoc n 1 Article | Same as row 2 – 1 IDoc n 1 Material | |
| N IDoc and 1 article | 1 xml for all IDoc | Data import fails for the IDoc containing the erroneous article, with error message providing information on what went wrong. Other IDocs are processed manually. | If one article in IDoc has invalid data (e.g. Season), writing to the Active Area fails and all article in that IDoc are written to the Staging Area. If materials are rejected by the Staging Area, reject all articles from the whole IDoc xml that should have been posted to the Staging Area. An error message is displayed providing information on what went wrong. | |
| n IDoc and m article each | 1 xml for all IDoc | If one article in IDoc has invalid data (e.g Invalid UoM). All article in that IDoc is rejected. (Other IDocs in the same xml without erroneous article will be processed normally). For conditions like article already present in Active Area or locked in other open CR, specific article objects will be rejected while other article objects from IDocs are processed normally. | | |
| n IDocs and m article | 1 xml/ IDoc | Same as row 3 – 1 Doc n article | | |

Glossary

This section provides the list of key terms, abbreviations, and acronyms.

| Term/Abbreviations | Description |
|--------------------|-----------------------------------|
| BOM | Bill of Material |
| CR | Change Request |
| DB | Database |
| EAM | Enterprise Asset Management |
| GW | Gateway |
| ICF | Internet Communication Framework |
| IDoc | Intermediate Document |
| MRO | Maintenance, Repair, and Overhaul |
| NW | NetWeaver |
| OData | Open Data Protocol |
| RFM | Retail and Fashion Management |
| t-code | SAP Transaction Code |
| UI | User Interface |