

Reference Data Management 2407

for SAP Master Data Governance

Installation and Upgrade



Version: 21.01.2025 / RDM 2407 SP01

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1 Introducing Reference Data Management

Note: Please read the complete Installation Guide before starting the installation or the upgrade and create backups of your systems.

Reference Data Management (RDM) for SAP MDG provides the harmonization (RDH) and governance (RDG) of reference data using pre-delivered reference data objects, user interfaces, workflows and the replication of reference data to business applications. For SAP based business applications (ERP or S/4 based) RDM delivers a local staging area which is installed on the business system and can be used as one option to receive and forward the reference data within the system landscape.

The sections and figures below provide an overview about the different deployment and connectivity scenarios. Important to understand is that RDM software components are installed on sender as well as receiver systems. The sender is not only restricted to SAP MDG but can be any SAP ERP, S/4 or non-SAP system and the receiver is not restricted to SAP ERP or SAP S/4, the SAP MDG system can be a receiver as well.

These scenarios are just listed to illustrate the possible scenarios and do not have an impact on the software components to be installed on SAP MDG and on SAP ERP or S/4 systems. There is a fixed set of four software components (ITO, ITR, ITU and ITG) to be installed on SAP MDG and a subset consisting of two software components (ITO and ITG) to be installed on the SAP Business Systems (ERP or S/4).

The figure below shows the components of RDM and their relation to components of SAP MDG. The Master Data Framework (MDF) builds the foundation and Reference Data Harmonization (RDH) and Reference Data Governance (RDG) deliver the main functionalities and possible scenarios are explained in more detail in the next chapters.

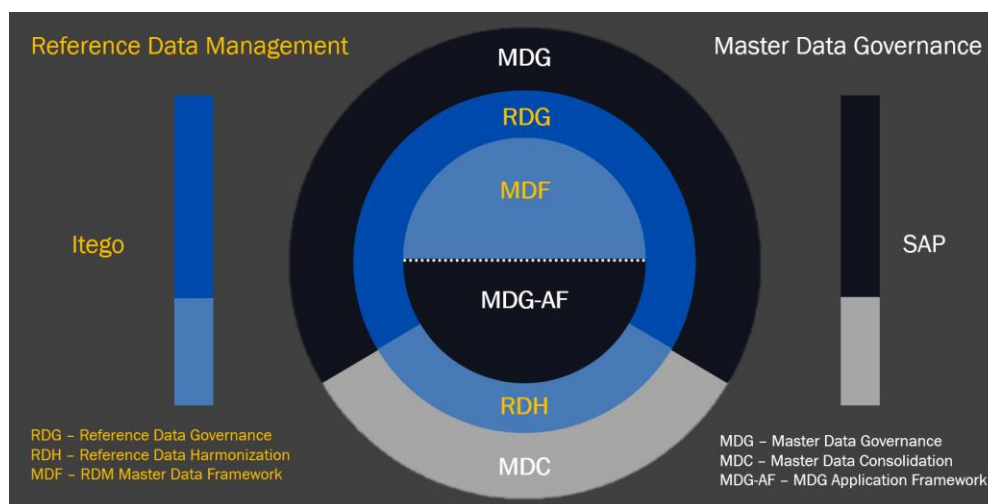


Figure 1: Components of Reference Data Management

1.1 Reference Data Harmonization (RDH)

Reference Data Harmonization (RDH) helps to create consolidated reference data which can be synchronized. It can be used without RDG on SAP MDG but it is recommended to use RDG on SAP MDG to take advantage of additional features for the controlled governance of reference data. In a first step reference data is consolidated in a central system which ideally is the SAP MDG system with RDM (consisting of RDG and RDH) installed as shown below. In this step the Business Systems are the senders and the SAP MDG system is the receiver.

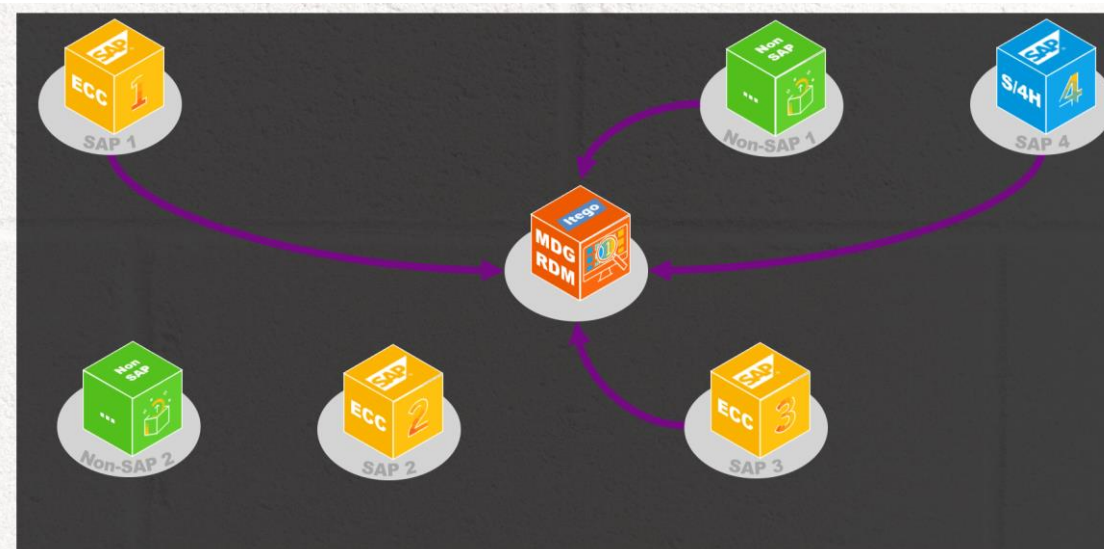


Figure 2: Harmonization Step 1 - Consolidation

In a second step reference data is synchronized (SAP MDG as the sender and Business Systems as receivers) and more data can be consolidated.

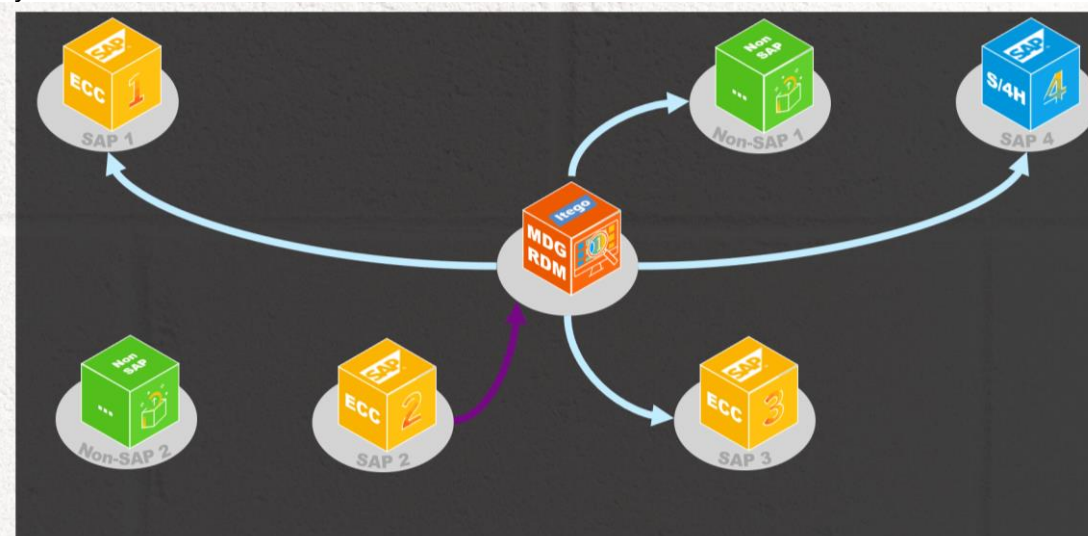


Figure 3: Harmonization Step 2 - Synchronization

The last figure below shows the deployment options with regards to development, test and productive systems.

The Sender Cockpit is installed on development systems and delivers functionalities for configuration, replication and monitoring. It is used for consolidation (as a sender of data that shall be consolidated in a receiver) as well as synchronization (as a sender of data that shall be replicated to consuming system that use this data as provided by the sender).

The Receiver Cockpit helps to consolidate reference data (as a receiver on a development system) or helps to activate data on consuming systems (on development systems).

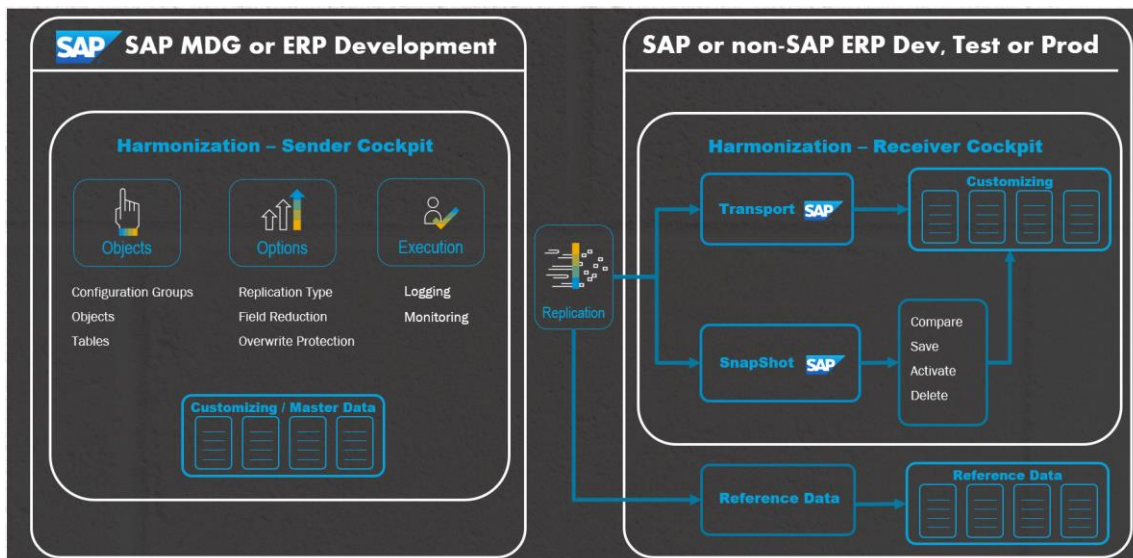


Figure 4: Harmonization – Deployments, Replication and Functions

On top of this RDM delivers functionalities to send reference data (in cases which are based on objects which are master data and not configuration or customizing data) directly to productive systems. Examples for the latter are Exchange Rates, Classification or any reference data object type which is replicated using the “Business Controlled Governance Alternative” (see following section about RDG).

1.2 Reference Data Governance (RDG)

Reference Data Governance (RDG) is based on SAP Master Data Governance (MDG) which provides a framework with functions for the (workflow driven) maintenance of master data and reference data.

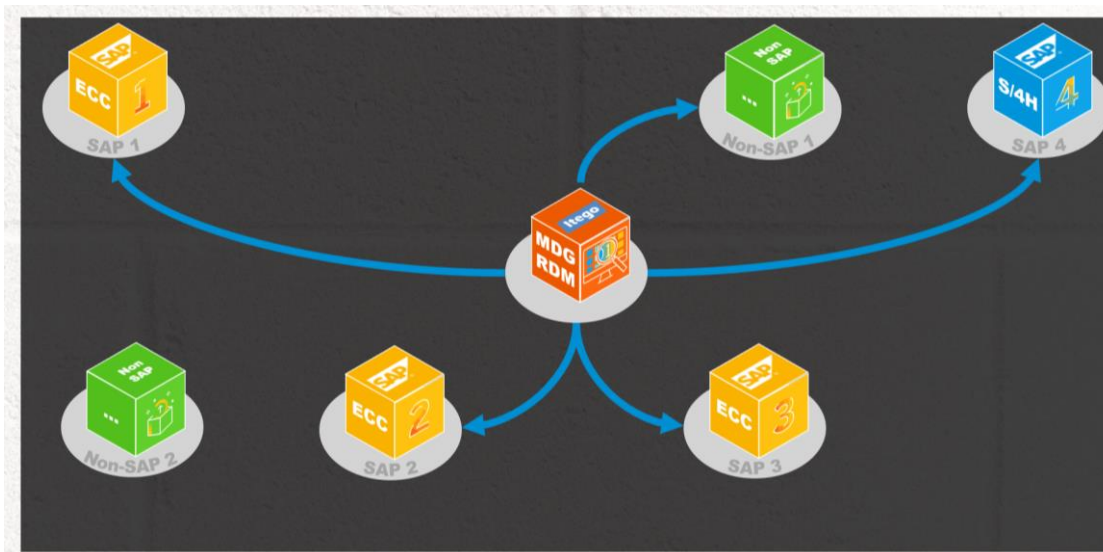


Figure 5: Governance – Workflow Driven Maintenance and Data Replication

Reference data is replicated either in a “Business Controlled Governance Alternative” which means to replicate reference data in the same fashion as master data. Mainly from the SAP MDG production system to productive business application systems but also to test or development systems if needed.

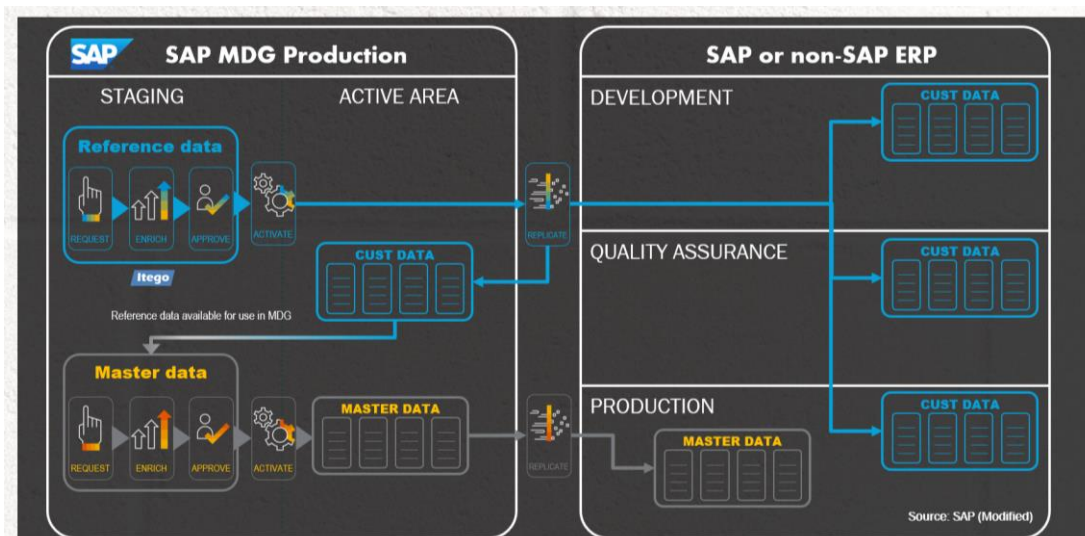


Figure 6: Governance – Business Controlled Governance Alternative

In the second scenario (Full IT Governance Alternative) data is sent to a Local Staging Area (delivered by RDM) installed on the SAP based receiving systems (development systems). From there SAP basis technology is used (SAP transports) to propagate the data from development to production systems.

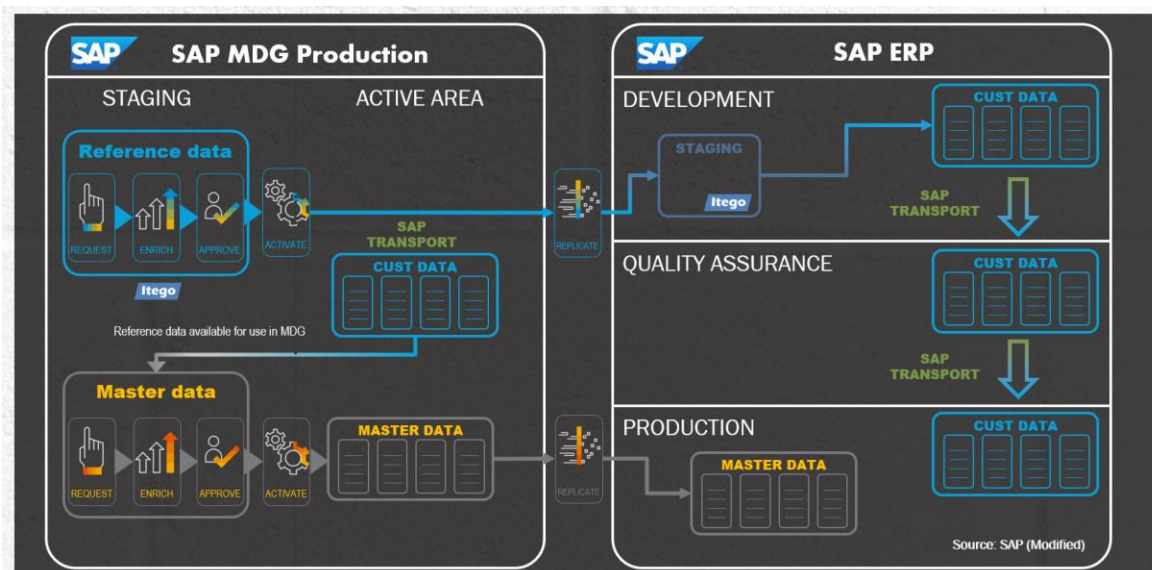


Figure 7: Governance – Full IT Governance Alternative

In order to orchestrate the propagation of data from development systems to production systems, the RDM integration to SAP Solution Manager can be used. In this scenario the SAP Solution Manager helps to control the roll-out of this data to all production systems.

This includes the SAP MDG system where reference data (of type configuration data) is stored in MDG only before it arrives via the SAP transport mechanism in the SAP Business Application Layer on the productive system. Only after this it also can be used as reference data for other applications that might be installed on the SAP MDG system.

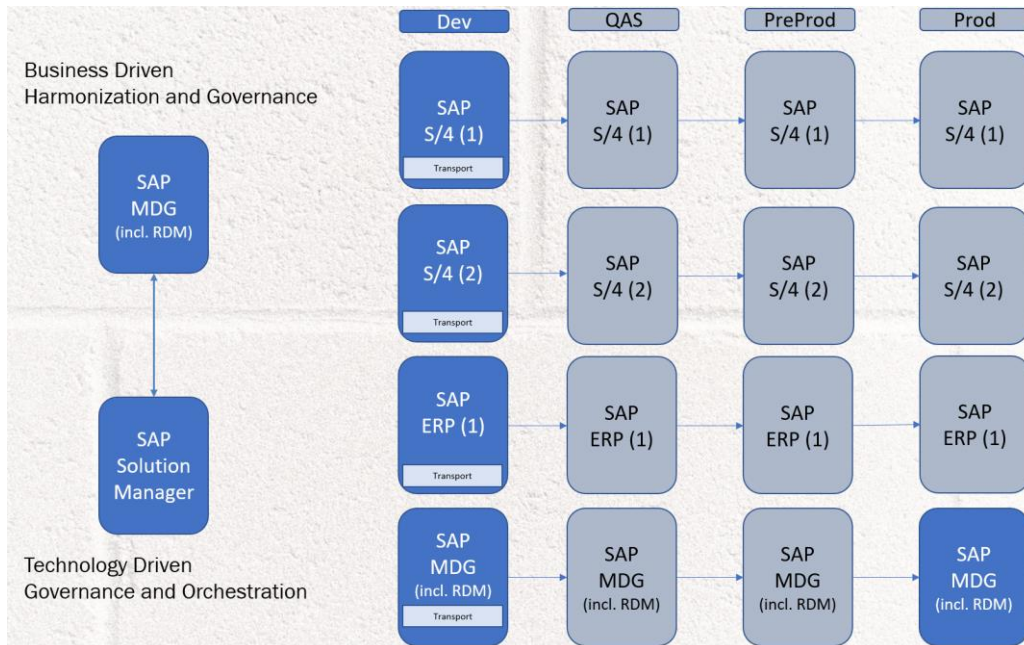


Figure 8: Harmonization and Governance – Solution Manager Integration

This scenario is not needed for reference data which is master data (for example Exchange Rates or Classification).

1.3 Software Components of Reference Data Management

RDM is installed as an SAP Add-On and contains four Software Components

- ITG, "Generic Framework"
 - o installed on SAP MDG and on SAP based receiving systems
- ITU, "MDF Utility Objects"
 - o installed on SAP MDG
- ITO, "Reference Data Management Local Staging"
 - o installed on SAP MDG and on SAP based receiving systems
- ITR, "Reference Data Management",
 - o installed on SAP MDG

All components need to be installed on the SAP MDG system and only a subset (ITO and ITG) need to be installed on the SAP Business Systems.

Language Support:

- English (EN)
- German (DE)
- French (FR)

In order to obtain more information about planned language support or to request new languages please contact: support@itego.de - Subject: "RDM Languages".

2 Versions and Prerequisites

The following software component versions are delivered with RDM 2407:

- ITO 805, SP09, Reference Data Management Local Staging
- ITR 805, SP08, Reference Data Management
- ITU 805, SP03, MDF Utility Objects
- ITG 805, SP09, Generic Framework

Software Component version (minimum) required for RDM Software Component ITO

- SAP_BASIS 750, SP15
- S4CORE 106 SP02 or SAP_APPL 618 SP11

Software Component versions (minimum) required for RDM Software Component ITR

- SAP_BASIS 754, SP05
- MDG_FND 805, SP04
- MDG_APPL 805, SP04
- ITO 805, SP08

Software Component versions (minimum) for RDM Software Component ITU

- SAP_BASIS 754, SP05
- MDG_FND 805, SP04
- MDG_APPL 805, SP04

Software Component version (minimum) required for RDM Software Component ITG

- SAP_BASIS 750, SP15
- S4CORE 106 SP02 or SAP_APPL 618 SP11

3 Installation or Upgrade

The following section provides an overview of the installation and upgrade steps which have to be executed on the SAP MDG and the SAP Business Systems. Installation means to install all delivered files for all software component versions. Upgrade means to install all delivered files which are necessary to upgrade from the current software component versions to the target versions.

Please ensure that after the installation or upgrade necessary configuration steps are carried out based on the Configuration Guide for RDM. Even for an upgrade there are usually at least some additional BC Sets to be activated.

Notes: In the case of an upgrade please consider SAP note 2318321 "Differences in SUM for the rescue of Non-SAP objects between load and delta procedure". In doubt, please contact support@itego.de – Subject "RDM Upgrade". If you are missing the installation or upgrade archives, please request them using the same communication channel. For an upgrade, please specify which is the source and the target release.

3.1 SAP MDG System

RDM installed on the SAP MDG (in contrast to RDM installed on SAP Business Systems described in the next section) require all delivered software components to be installed if Reference Data Governance (RDG) shall be used. If only Reference Data Harmonization (RDH) shall be used, the installation steps are the same.

3.1.1 Upload Installation or Upgrade files

Please use SAINT to run a new RDM 805 installation or run SPAM if an RDM 805 upgrade is to be installed. For your reference see the different screens in chapter 5.

Installation or Upgrade files are delivered as archive files (using the SAR format). For the RDM components on the MDG system use one of the following archives:

- "RDM_MDG_805_R2407.SAR" (for RDG)
- "RDM_BUSSYS_805_R2407.SAR" (for RDH)

Using the correct archive files ensures the installation or upgrade of the correct software components and software component versions.

Upload the Installation to the installation directory of the Application Server (e.g. .../EPS/in).

3.1.2 Install ITG

Software Component ITG is used for RDG and RDH and needs to be installed independent from the installation scenario.

Execute transaction SAINT/SPAM and navigate to Installation Package -> Load Packages -> EPS Files from Application Server and confirm the Upload. After the Upload start the Installation process by clicking the "Start" button.

Choose „ITG“ from the installable Add-on packages and click the „Continue“ button and also continue the process by clicking the "Continue" button on the next screens ("Support Package Selection" and "Installation queue"). These screen should show the support package level and the OCS Package name.

Click "No" if you are prompted for "Modification Adjustment Transports" and confirm the installation process ("Add-On ITG ... is being installed") on the next screen.

Click "Finish" to complete the process after the software component has been installed.

3.1.3 Install ITU (for RDG only)

Software Component ITU is used only for RDG and needs to be installed if RDG is used.

Execute transaction SAINT/SPAM and navigate to Installation Package -> Load Packages -> EPS Files from Application Server and confirm the Upload. After the Upload start the Installation process by clicking the "Start" button.

Choose „ITU“ from the installable Add-on packages and click the „Continue“ button and also continue the process by clicking the "Continue" button on the next screens ("Support Package Selection" and "Installation queue"). These screen should show the support package level and the OCS Package name.

Click "No" if you are prompted for "Modification Adjustment Transports" and confirm the installation process ("Add-On ITU ... is being installed") on the next screen.

Click "Finish" to complete the process after the software component has been installed.

3.1.4 Install ITO

Software Component ITO is used for RDG and RDH and needs to be installed independent from the installation scenario.

Execute transaction SAINT/SPAM and navigate to Installation Package -> Load Packages -> EPS Files from Application Server and confirm the Upload. After the Upload start the Installation process by clicking the "Start" button.

Choose „ITO“ from the installable Add-on packages and click the „Continue“ button and also continue the process by clicking the "Continue" button on the next screens ("Support Package Selection" and "Installation queue"). These screen should show the support package level and the OCS Package name.

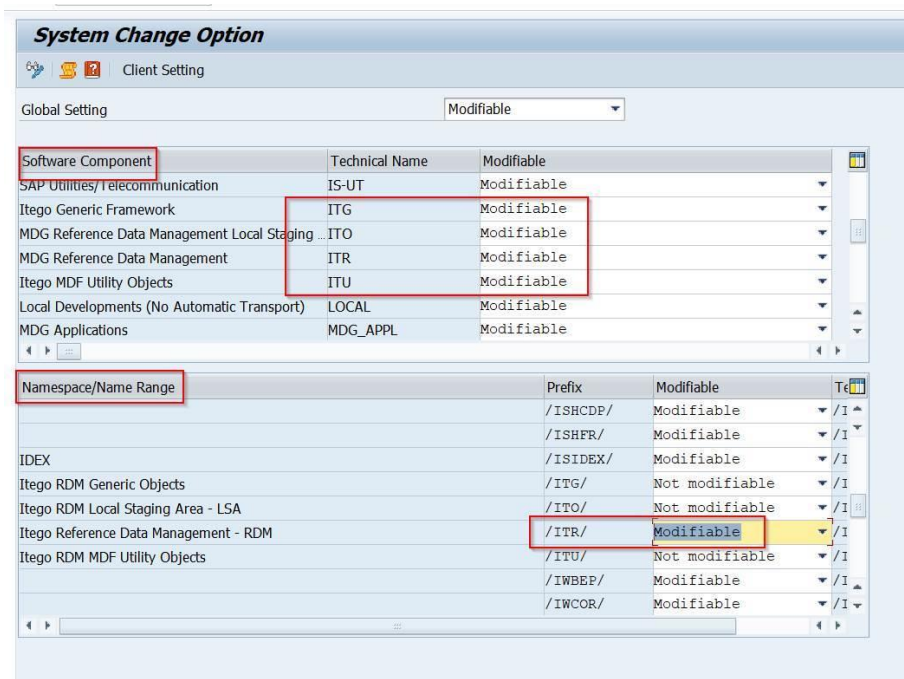
Click "No" if you are prompted for "Modification Adjustment Transports" and confirm the installation process ("Add-On ITO ... is being installed") on the next screen.

Click "Finish" to complete the process after the software component has been installed.

3.1.5 Install ITR (for RDG only)

Software Component ITR is used only for RDG and needs to be installed if RDG is used.

Check in transaction SE06 if namespace /ITR/ is set to modifiable (see screenshot below). If not change the setting to modifiable and don't forget to press the SAVE button.



System Change Option
Client Setting

Global Setting: Modifiable

Software Component	Technical Name	Modifiable
SAP Utilities/Telecommunication	IS-UT	Modifiable
Itego Generic Framework	ITG	Modifiable
MDG Reference Data Management Local Staging	ITO	Modifiable
MDG Reference Data Management	ITR	Modifiable
Itego MDF Utility Objects	ITU	Modifiable
Local Developments (No Automatic Transport)	LOCAL	Modifiable
MDG Applications	MDG_APPL	Modifiable

Namespace/Name Range	Prefix	Modifiable
	/ISHCDP/	Modifiable
	/ISHFR/	Modifiable
IDEX	/SIDEX/	Modifiable
Itego RDM Generic Objects	/ITG/	Not modifiable
Itego RDM Local Staging Area - LSA	/ITO/	Not modifiable
Itego Reference Data Management - RDM	/ITR/	Modifiable
Itego RDM MDF Utility Objects	/ITU/	Not modifiable
	/IWBEP/	Modifiable
	/IWCOR/	Modifiable

Execute transaction SAINT/SPAM and navigate to Installation Package -> Load Packages -> EPS Files from Application Server and confirm the Upload. After the Upload start the Installation process by clicking the "Start" button.

Choose „ITR“ from the installable Add-on packages and click the „Continue“ button and also continue the process by clicking the "Continue" button on the next screens ("Support Package Selection" and "Installation queue"). These screen should show the support package level and the OCS Package name.

Click "No" if you are prompted for "Modification Adjustment Transports" and confirm the installation process ("Add-On ITR ... is being installed") on the next screen.

Click "Finish" to complete the process after the software component has been installed.

3.1.6 Verification

Please verify that the software component versions listed in section 2 "Versions and Prerequisites" have been installed.

3.1.7 Activate Business Functions

Please make sure that the necessary Business Functions are activated as described in the Configuration Guide in section "Activate Business Functions".

Important Note: without this other system activities like Upgrading the SAP S/4 system might be affected.

3.1.8 Activate Data Model I1

Please make sure that the Data Model I1 is activated as described in the Configuration Guide in section "Activate Data Model I1".

Important Note: without this other system activities like Upgrading the SAP S/4 system might be affected.

3.2 SAP Business Systems

RDM installed on SAP Business Systems (which are not MDG based) delivers functionalities which help to consolidate, synchronize and govern reference data. For consolidation the SAP Business system acts as a sender, for synchronization and governance it acts as a receiver.

Depending on the implementation scenario the Software Components ITG and ITO need to be installed on one or more SAP Business Systems. Execute the activities described below for each SAP Business System.

Important Note: Based on the reduced functionality of RDM on SAP Business Systems, software components ITR and ITU (which are SAP MDG based and deliver additional functionalities) are not required on any SAP Business System and must not be installed. Please use the correct installation file archives (SAR format). See next section for more details.

3.2.1 Upload Installation or Upgrade files

Installation and upgrade files are delivered as archive files (using the SAR format). For the installation or the upgrade of RDM on the business systems please use the following archive: "RDM_BUSSYS_805_R2407.SAR".

Using the correct archive files ensures the installation or upgrade of the correct software components and software component versions.

Upload the Installation to the installation directory of the Application Server (e.g. .../EPS/in).

3.2.2 Install ITG

Execute transaction SAINT or SPAM (if version RDM 805 is already installed) and navigate to Installation Package -> Load Packages -> EPS Files from Application Server and confirm the Upload. After the Upload start the Installation process by clicking the "Start" button.

Choose „ITG“ from the installable Add-on packages and click the „Continue“ button and also continue the process by clicking the "Continue" button on the next screens ("Support Package Selection" and "Installation queue"). These screen should show the support package level and the OCS Package name.

Click "No" if you are prompted for "Modification Adjustment Transports" and confirm the installation process ("Add-On ITG ... is being installed") on the next screen.

Click "Finish" to complete the process after the software component has been installed.

3.2.3 Install ITO

Execute transaction SAINT or SPAM (if version RDM 805 is already installed) and navigate to Installation Package -> Load Packages -> EPS Files from Application Server and confirm the Upload. After the Upload start the Installation process by clicking the "Start" button.

Choose „ITO“ from the installable Add-on packages and click the „Continue“ button and also continue the process by clicking the “Continue” button on the next screens (“Support Package Selection” and “Installation queue”). These screen should show the support package level and the OCS Package name.

Click “No” if you are prompted for “Modification Adjustment Transports” and confirm the installation process (“Add-On ITO ... is being installed”) on the next screen.

Click “Finish” to complete the process after the software component has been installed.

3.2.4 Verification

Please verify that the software component versions listed in section 2 “Versions and Prerequisites” have been installed.

4 Uninstallation

4.1 Uninstallation from SAP MDG

An SAP certified automated uninstallation of RDM software component ITR is not possible due to missing uninstallation support for SAP MDG Add-Ons from SAP. This also means that there is no guarantee that the software components ITO, ITG and ITU can be uninstalled from the SAP MDG without any side effects.

Anyways, be aware that this process (as shown in the example from chapter 6) has been tested on several versions and systems, and no side effects have been noticed by Itego.

In order to obtain more information about this, please contact: support@itego.de - Subject: “RDM Uninstallation”.

4.2 Uninstallation from SAP Business Systems

Uninstallation of RDM software components ITO and ITG is possible from SAP Business Systems.

Prerequisite: Ensure that the Local Staging Area has been cleared from any maintained reference data object. For this execute transaction /ITR/STAGING for all object types. Refer to “Reference Data Management for SAP MDG - Functional Documentation” for further details.

Start and finalize the Uninstallation by using transaction "SAINT", selecting "Uninstallable components" -> ITO -> Start and selecting "Uninstallable components" -> ITG -> Start.

5 Installation Example

Example with an existing RDM 2301 installation and a later version e.g. 2311, to be installed.

To install Itego RDM Add-On and Support Packages you have to use the SAP transactions

- SAINT (SAP Add-On Installation Tool)
- SPAM (Support Package Manager)

Installed RDM 2301 on SAP release version 805, it looks like:

Component	Release	SP-Level	Support Package	Short Description of Component
ITG	805	0000	-	Itego Generic Framework
ITO	805	0000	-	MDG Reference Data Management Local Staging Area
ITR	805	0000	-	MDG Reference Data Management
ITU	805	0000	-	Itego MDF Utility Objects

After installation of RDM 2311 on SAP release version 805, it looks like:

Component	Release	SP-Level	Support Package	Short Description of Component
ITG	805	0005	SAPK-80505INITG	Itego Generic Framework
ITO	805	0006	SAPK-80506INITO	MDG Reference Data Management Local Staging Area
ITR	805	0004	SAPK-80504INITR	MDG Reference Data Management
ITU	805	0000	-	Itego MDF Utility Objects

A RDM 2301 installation is not required to install RDM 2311. RDM 2311 can also be installed on an initial (from the RDM point of view) system, as RDM 2311 includes RDM 2301 completely.

Example for an SAP MDG installation, which not yet has an RDM installed as Add-On:

Component	Release	SP-Level	Support Package	Short Description of Component
MDG_FND	805	0003	SAPK-80503INMDGFND	MDG Foundation
S4FND	105	0003	SAPK-10503INS4FND	Foundation
MDG_APPL	805	0003	SAPK-80503INMDGAPPL	MDG Applications

Transaction SAINT

RDM Installation using SAR Files from frontend

The screenshot shows the 'Add-On Installation Tool - Version 7.56/0081' window. The 'Installation Package' menu is open, and 'SAR Archive from Frontend' is selected. Below the menu, the 'Installed Components' tab is active, displaying a table of installed add-ons.

Add-on/PCS	Release	Level	Description	Import
EA-DFPS	806	0001	SAP Enterprise Extension Defense Forces & Public ..	
EA-HR	608	0100	SAP Enterprise Extension HR	
EA-HRCAE	608	0100	Subcomponent EA-HRCAE of EA-HR	
EA-HRCAR	608	0100	Subcomponent EA-HRCAR of EA-HR	
EA-HRCAT	608	0100	Subcomponent EA-HRCAT of EA-HR	
EA-HRCAU	608	0100	Subcomponent EA-HRCAU of EA-HR	
EA-HRCBE	608	0100	Subcomponent EA-HRCBE of EA-HR	
EA-HRCBG	608	0100	Subcomponent EA-HRCBG of EA-HR	

Status/Remarks

i The overview shows you the installed Add-ons and Preconfigured systems
 - Choose [START] to start an installation or an upgrade

Buttons: Back, Start, Cancel

RDM installation comes with two SAR files for

- RDM Business Receiver System (ECC Backend System) with the following software components (listed in the order to be installed)
 1. ITG - Generic Framework
 2. ITO - Reference Data Management Local Staging

- RDM MDG System (with MDG installation) with the following software components (listed in order to be installed)
 1. ITG - Generic Framework
 2. ITU - MDF Utility Objects
 3. ITO - Reference Data Management Local Staging
 4. ITR - Reference Data Management



Naming convention of RDM SAR Files:

RDM R2301 SAR Files

Select CAR/SAR archive

← → ▾ ↑ RDM Delivery > R2301 > R2301 - SP00



Organisieren ▾ Neuer Ordner

Name	Änderungsdatum	Typ	Größe
 RDM_BUSSYS_805_R2301.SAR	22.02.2023 19:33	SAR-Datei	3.842 KB
 RDM_MDG_805_R2301.SAR	22.02.2023 19:32	SAR-Datei	22.546 KB

RDM R2311 SAR Files

> RDM Delivery > R2311 > R2311 durchsuchen

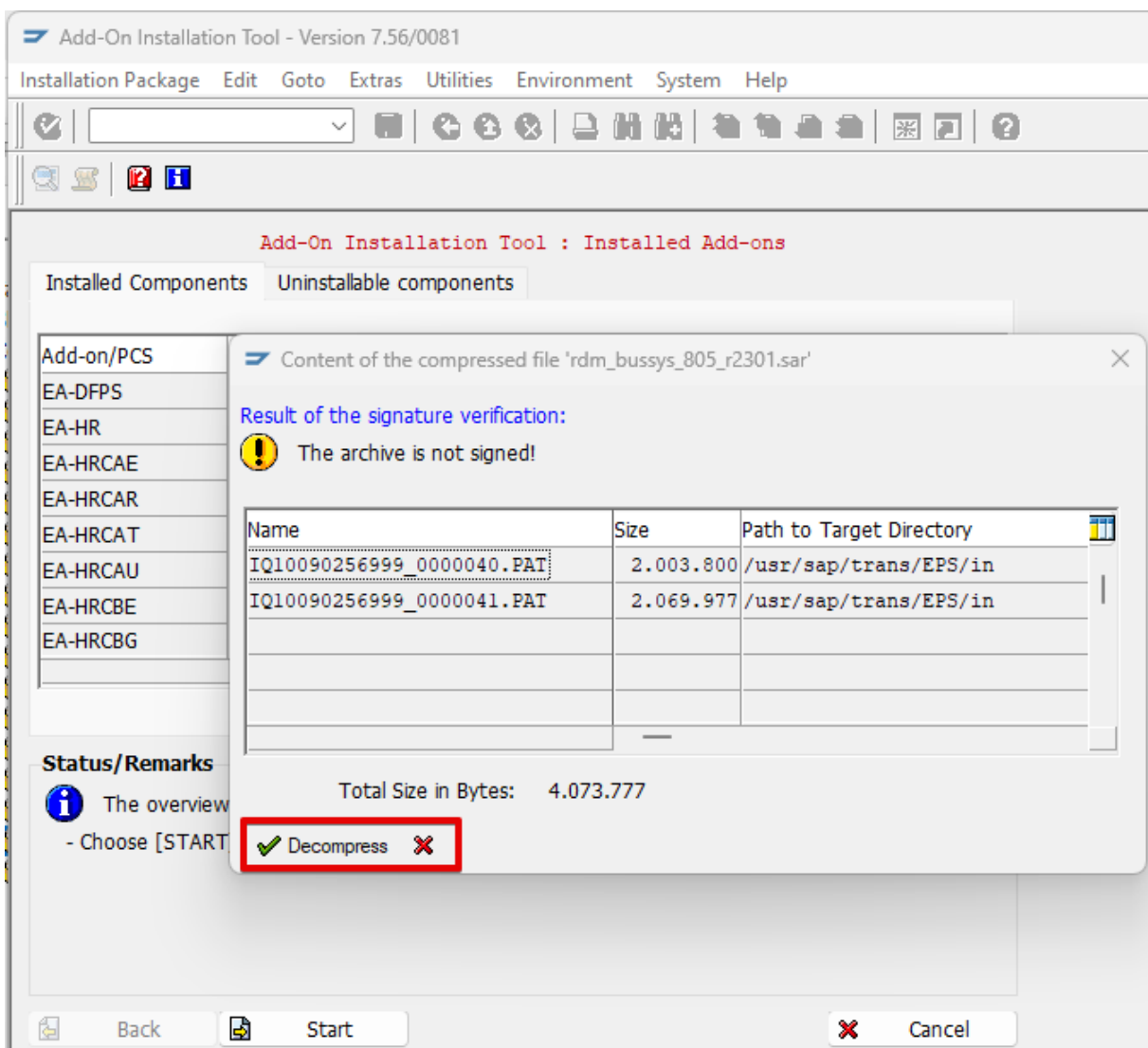
Sortieren ▾ Anzeigen ▾ ⋮ Details

Name	Änderungsdatum	Typ	Größe
 RDM_BUSSYS_805_R2311.SAR	04.02.2024 09:29	SAR-Datei	11.034 KB
 RDM_MDG_805_R2311.SAR	04.02.2024 09:20	SAR-Datei	32.521 KB

Installation on Receiver/Business System using SAR File RDM_BUSSYS_805_R2301.SAR

Note:

The shown PAT Files are just examples for this documentation – you will have PAT Files with other names.



Decompress the PAT files and press the Start Button. After decompression the SAR files are deleted.

Select first software component (SWC) ITG and press button CONTINUE

The screenshot shows the 'Add-on Installation Tool' window. The title bar reads 'Add-On Installation Tool - Version 7.56/0081'. The menu bar includes 'Installation Package', 'Edit', 'Goto', 'Extras', 'Utilities', 'Environment', 'System', and 'Help'. The main window title is 'Add-on Installation Tool: Add-on selection'. Below this, there is a 'Stack XML file' field. A table titled 'Installable Add-on packages for your system' contains the following data:

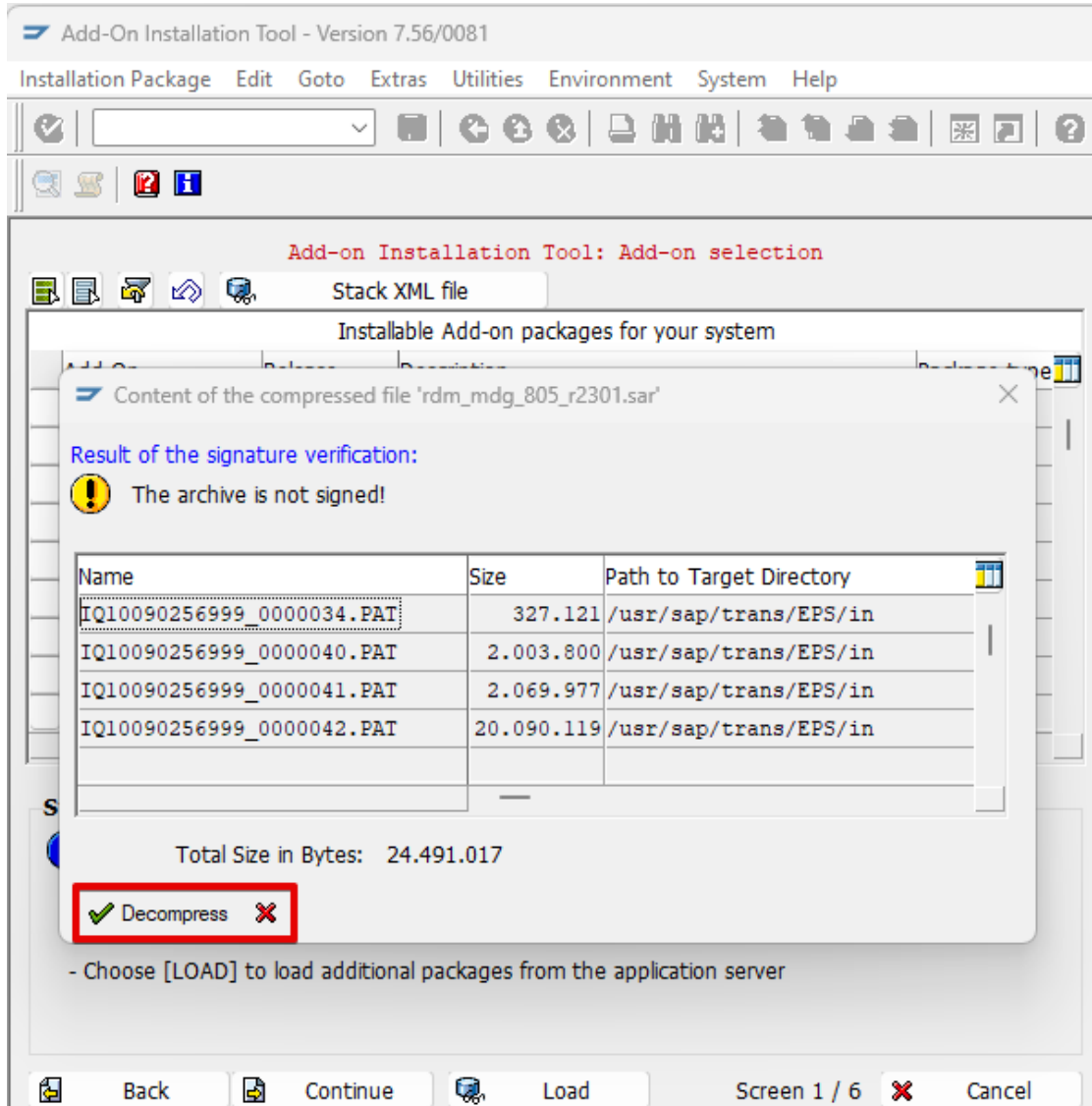
Add-On	Release	Description	Package type
ITG	805	ITG 805: Add-On Installation	Installation
ITO	805	ITO 805: Add-On Installation	Installation
RDM_BUSSYS_805_R2301.SAR			

Below the table is a 'Status/Remarks' section with an information icon and the following text:

Select one or several packages from the installable Add-on packages

- Choose [CONTINUE] to start the calculation of the installation queue
- Choose [BACK] to go back to the overview of the installed Add-ons
- Choose [LOAD] to load additional packages from the application server

At the bottom, there are buttons for 'Back', 'Continue' (highlighted with a dashed border), 'Load', 'Screen 1 / 6', and 'Cancel'.



Installation on MDG system

Add-On Installation Tool - Version 7.56/0081

Installation Package Edit Goto Extras Utilities Environment System Help

Stack XML file

Add-on Installation Tool: Add-on selection

Installable Add-on packages for your system

Add-On	Release	Description	Package type
ITG	805	ITG 805: Add-On Installation	Installation
ITO	805	ITO 805: Add-On Installation	Installation
ITR	805	ITR 805: Add-On Installation	Installation
ITU	805	ITU 805: Add-On Installation	Installation
RDM_MDG_805_R2301.SAR			

Status/Remarks

i Select one or several packages from the installable Add-on packages

- Choose [CONTINUE] to start the calculation of the installation queue
- Choose [BACK] to go back to the overview of the installed Add-ons
- Choose [LOAD] to load additional packages from the application server

Back Continue Load Screen 1 / 6 Cancel

Add-On Installation Tool - Version 7.56/0081

Installation Package Edit Goto Extras Utilities Environment System Help

Stack XML file

inst. order Installable Add-on packages for your system

Add-On	Release	Description	Package type
ITG 1	805	ITG 805: Add-On Installation	Installation
ITO 3	805	ITO 805: Add-On Installation	Installation
ITR 4	805	ITR 805: Add-On Installation	Installation
ITU 2	805	ITU 805: Add-On Installation	Installation

Status/Remarks

i Select one or several packages from the installable Add-on packages

- Choose [CONTINUE] to start the calculation of the installation queue
- Choose [BACK] to go back to the overview of the installed Add-ons
- Choose [LOAD] to load additional packages from the application server

Back **Continue** Load Screen 1 / 6 Cancel

Add-On Installation Tool - Version 7.56/0081

Installation Package Edit Goto Extras Utilities Environment System Help

Installation of several Add-ons : Calculated queue

Installation queue Software Components

OCS packages for import				
OCS Package	Package type	Software Compo...	Release	Short descript
SAPK-805COINITG	Installation	ITG	805	ITG 805: Add

Status/Remarks

i The displayed packages must be imported when installing the Add-on

- You have not selected any further Support Packages
- Choose [CONTINUE] to add Modification Adjustment Transports to the queue
- Choose [BACK] to go back to the Support Package selection

Back **Continue** Logs Screen 3 / 6 Cancel

Select "No" for Modification Adjustments

The screenshot shows the 'Add-On Installation Tool - Version 7.56/0081' window. The main area displays 'Installation of several Add-ons : Calculated queue' with tabs for 'Installation queue' and 'Software Components'. A table titled 'OCS packages for import' is visible, containing one row with the following data:

OCS Package	Package type	Software Compo...	Release	Short descript
SAPK-805COINITG	Installation	ITG	805	ITG 805: Adc

A dialog box titled 'Add Modification Adjustment Transports to the Queue' is overlaid on the screen. It asks: 'Do you want to add Modification Adjustment Transports to the queue?'. The 'No' button is highlighted with a red rectangle. Other buttons include 'Yes', 'Info', and 'Cancel'. Below the dialog, the 'Status/Remarks' section contains an information icon and the following text:

The displayed packages must be imported when installing the Add-on

- You have not selected any further Support Packages
- Choose [CONTINUE] to add Modification Adjustment Transports to the queue
- Choose [BACK] to go back to the Support Package selection

At the bottom of the window, there are buttons for 'Back', 'Continue', 'Logs', 'Screen 3 / 6', and 'Cancel'.

Please **ignore** this warning

Errors during Disassembling OCS Packages

List Edit System Help

Repeat Ignore Action Log

Phase DISASSEMBLE: Explanation of errors and warnings

The import terminated because errors or warnings occurred while disassembling the installation packages or support packages. The list shows the installation packages and support packages and the result of the corresponding disassemble action.

If an error occurred, you have to solve it before you can continue the import process. Details about the errors can be found in the action log for phase DISASSEMBLE.

If the verification of the digital signature failed, delete the affected EPS file from the EPS inbox. Afterwards, download the installation or support package from the SAP Support Portal and upload the SAR archive with one of the options in the menu "Installation Package" -> "Load packages".

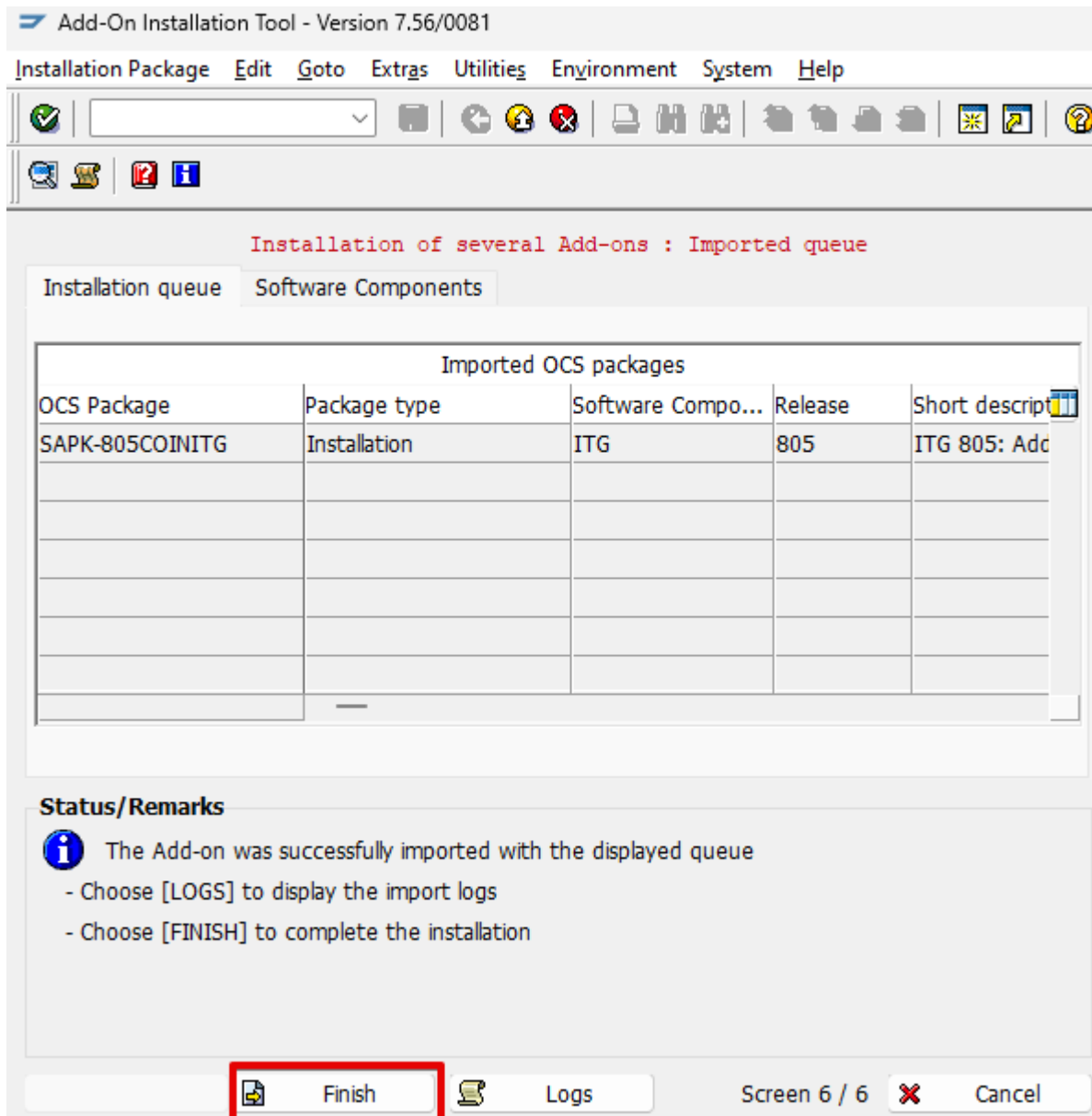
If warnings about the verification process occurred, you should check them in detail.

If the verification could not be executed due to a missing manifest file, upload the SAR archive of the affected installation or support package again with one of the options in the menu "Installation Package" -> "Load packages".

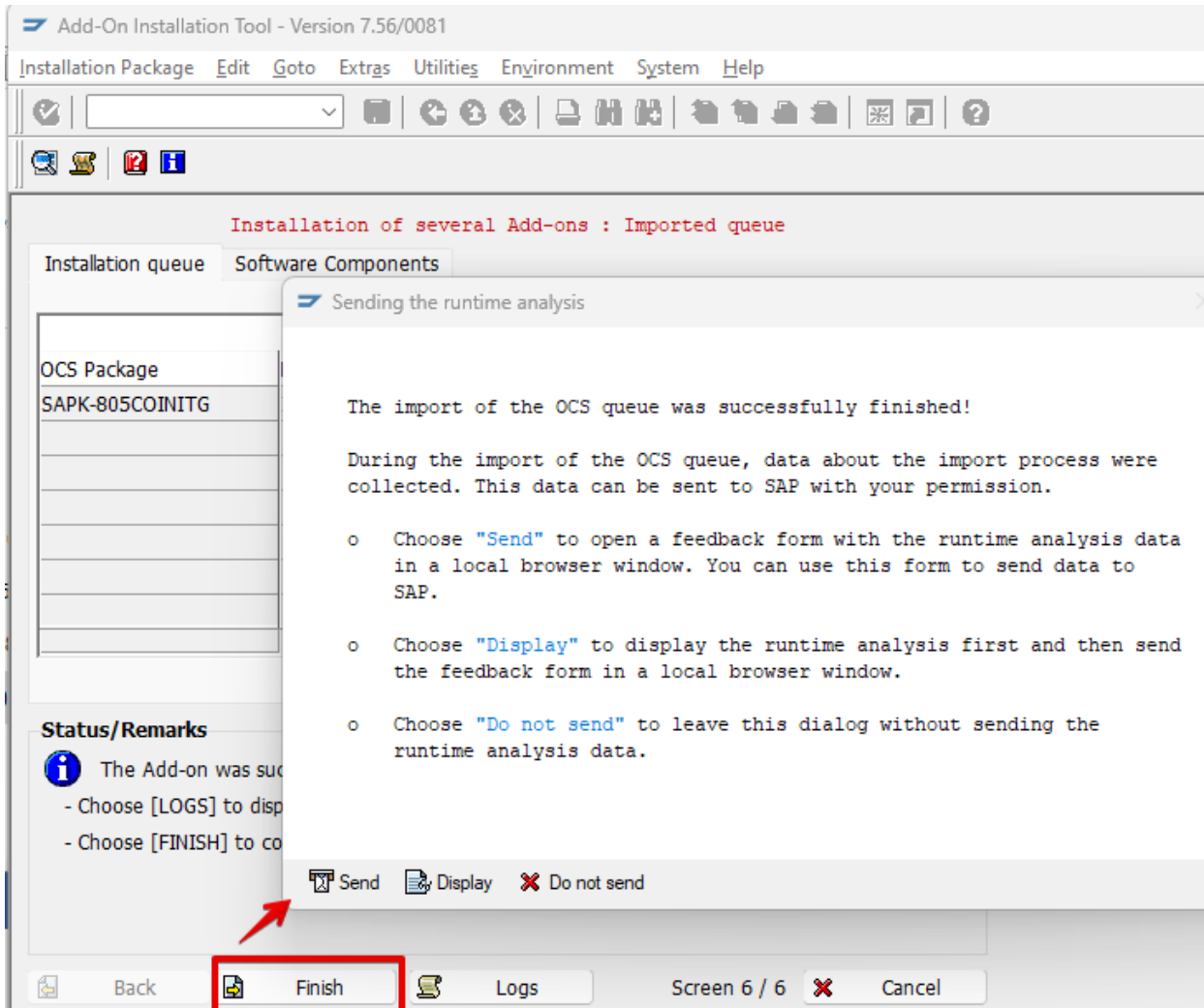
If you rate the warnings as uncritical, you can ignore them and continue the import process with the push button "Ignore".

Phase DISASSEMBLE: Occurred errors and warnings		
OCS Package	Status	Message / Explanation
SAPK-805COINITG		The OCS Package SAPK-805COINITG is not digitall...

Once the installation is done, you have to confirm the installation of SWC with **“FINISH”**



Finishing the installation the system will provide you the following options:



Add-On Installation Tool - Version 7.56/0081

Installation Package Edit

Stack XML file

Add-on Installation Tool: Add-on selection

Installable Add-on packages for your system

Add-On	Release	Description	Package type
ITO	805	ITO 805: Add-On Installation	Installation
ITR	805	ITR 805: Add-On Installation	Installation
ITU	805	ITU 805: Add-On Installation	Installation

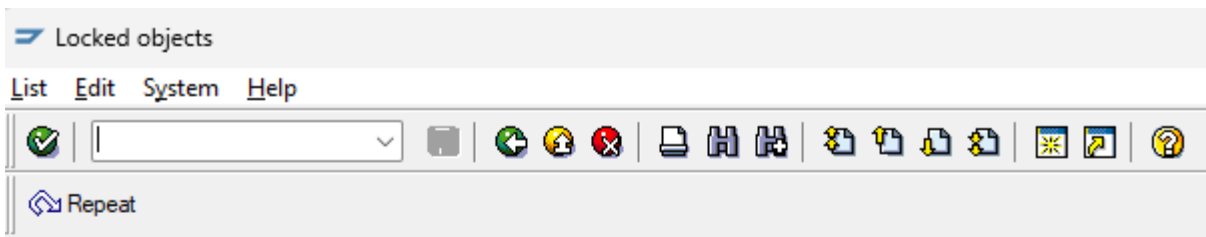
Status/Remarks

i Select one or several packages from the installable Add-on packages

- Choose [CONTINUE] to start the calculation of the installation queue
- Choose [BACK] to go back to the overview of the installed Add-ons
- Choose [LOAD] to load additional packages from the application server

Back Continue Load Screen 1 / 6 Cancel

During the RDM installation you might face the following situation shown in the screenshot below. If there are existing non released transport requests containing objects of the RDM software component that you just want to install you will have a deadlock situation and user interaction is needed.



Phase OBJECTS_LOCKED_?: Explanation of Errors

The following objects are currently locked in requests. You can only import the queue when the objects are no longer locked.

Proceed as follows:


- Choose one of the displayed requests to go to the maintenance screen of this request.
- Release the request and the corresponding tasks or ask the request owner to do so. It's also possible to use the workbench organizer (transaction SE01 / SE09) to release the requests.
- Repeat the import phase when all the requests are released. When no more locked objects are found, the import is continued.

Phase OBJECTS_LOCKED_?: Objects Locked in Requests	
Request	Names of Locked Transport Objects
S02K900074	R3TR WDCC /ITR/I1_LGORT_SEARCH_DQUERY 00

Transaction SPAM


Support Package Manager - Version 7.57/0082

Support Package Edit Goto Extras Utilities Environment System Help

Queue  Display/define

Directory


- New Support Packages
- Aborted Support Packages
- Imported Support Packages
- All Support Packages

 Display

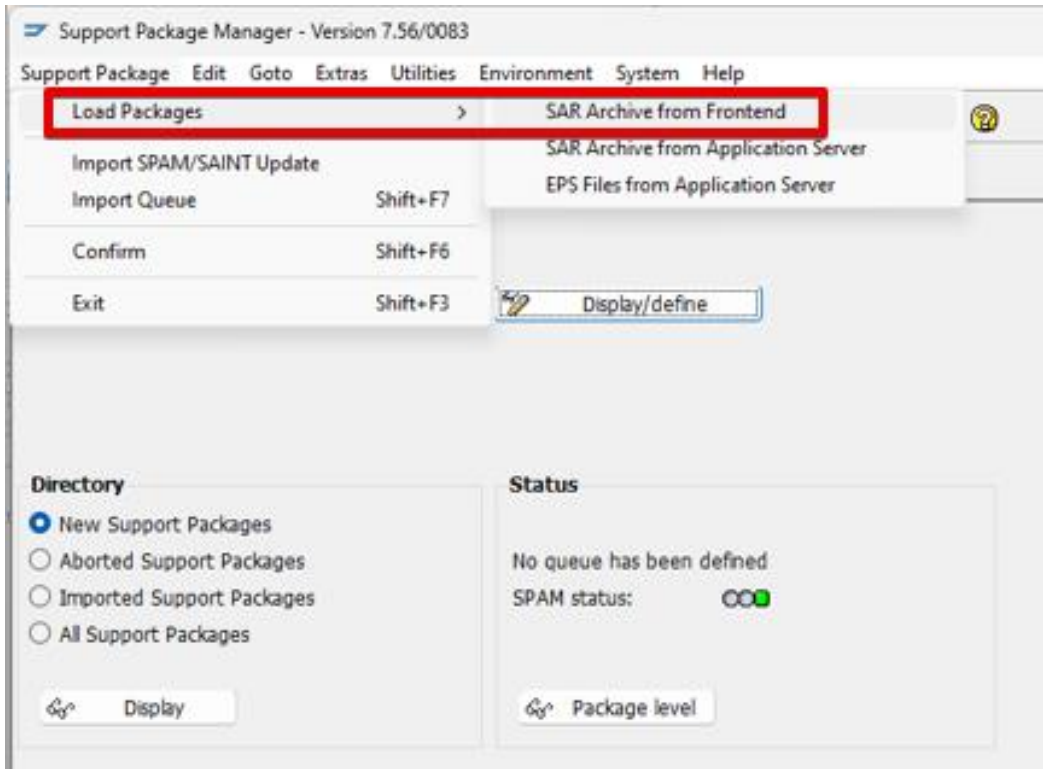
Status

No queue has been defined

SPAM status:

 Package level

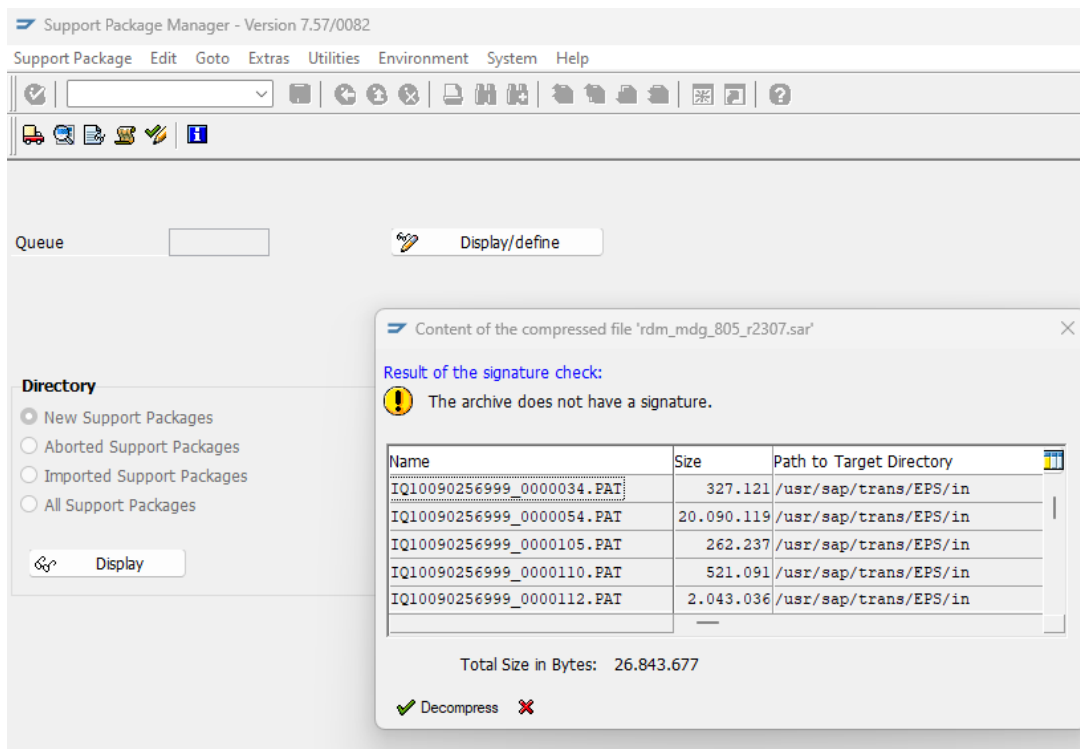
Here you have also the option of loading SAR files in order to install support packages



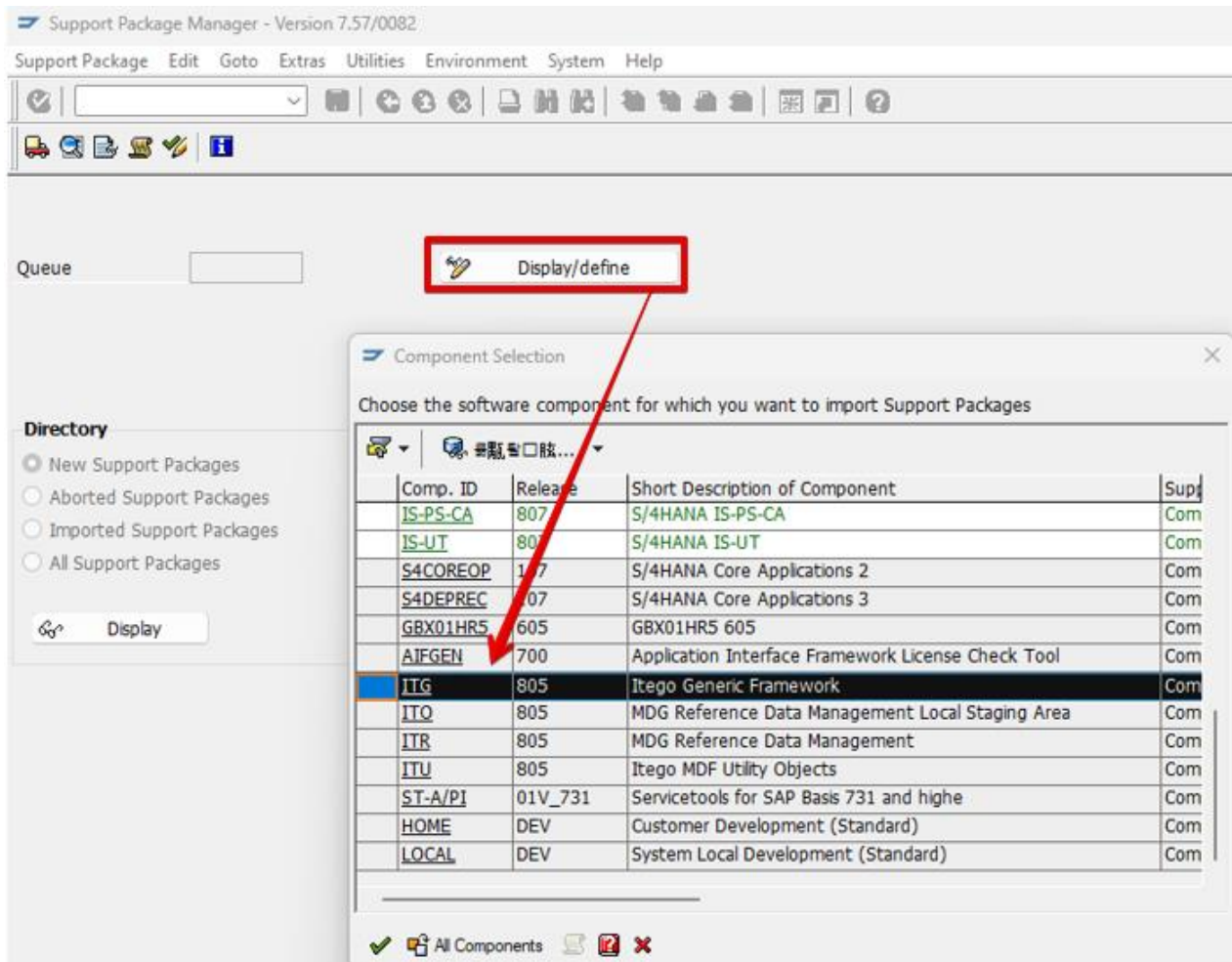
If the selected SAR file has not yet been loaded via SAINT, the assigned PAT files will be unpacked from the selected SAR file and the SAR file itself will be deleted.

Note:

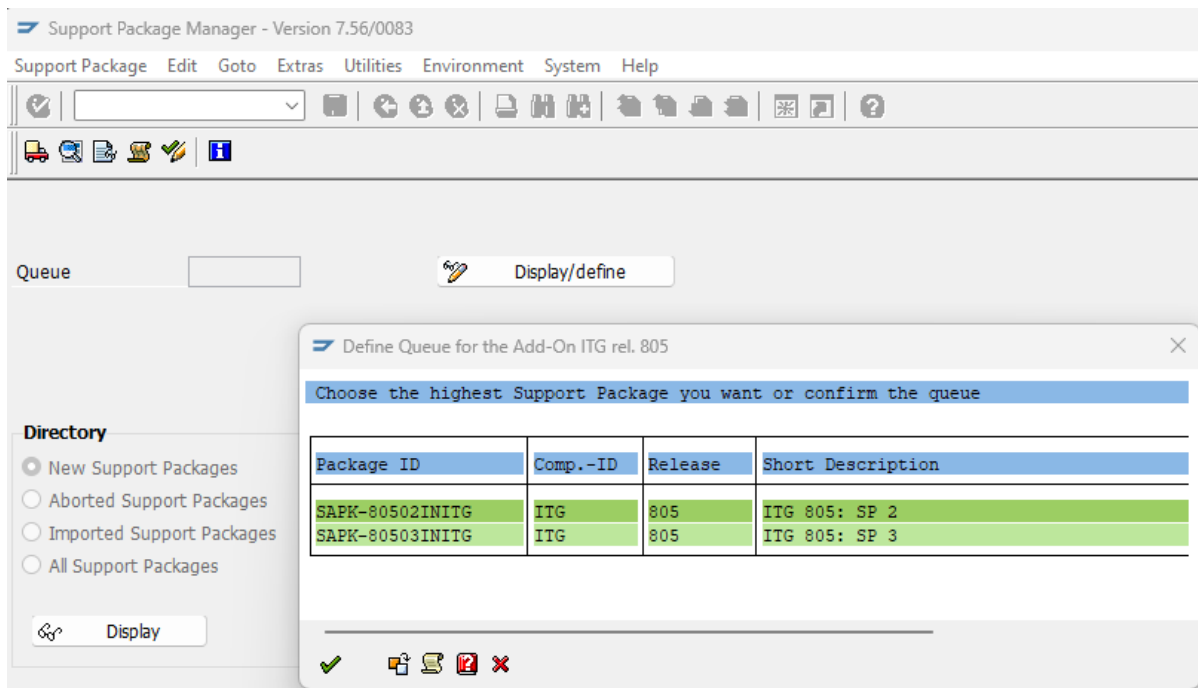
The shown PAT Files are just examples for this documentation – you will have PAT Files with other names.



Hit button "Display/define" to select the software component for which you want to install the support packages



The system automatically selects all support packages for the selected software component. You can leave it like that or select individual support packages, taking the order into account.



6 Uninstallation Example

This chapter shows how RDM can be uninstalled from the SAP MDG system. Please take the notes from chapter 4.1 into consideration.

Start uninstalling the software components of RDM in the reverse order in which you installed them. This means:

- ITR, "Reference Data Management",
- ITO, "Reference Data Management Local Staging"
- ITU, "MDF Utility Objects"
- ITG, "Generic Framework"

Starting Point: System Status of a RDM installation

The screenshot shows the 'Installed Software' window in SAP Easy Access. The window displays a table of installed software components. The table has the following columns: Component, Release, SP-Level, Support Package, and Short Description of Component. The components listed are:

Component	Release	SP-Level	Support Package	Short Description of Component
IS-UT	805	0003	SAPK-80503INISUT	SAP Utilities/Telecommunication
S4COREOP	105	0003	SAPK-10503INS4COREOP	S/4HANA, On-Premise only parts
S4DEPREC	105	0002	SAPK-10502INS4DEPREC	S/4HANA, depreciation parts
GBX01HR	600	0019	SAPK-60019INGBX01HR	FIORI X1 HCM
GBX01HR5	605	0019	SAPK-60519INGBX01HR5	FIORI X1 HCM
SRA004	600	0011	SAPK-60011INSRA004	Create Travel Request OData Integration
UIAPFI70	800	0003	SAPK-80003INUUIAPFI70	UI SFIN
UIHR002	100	0015	SAPK-10015INUUIHR002	UI for ERP Human Capital Management 100
UIMDG001	200	0011	SAPK-20011INUIMDG001	UI for MDG
UIS4HOP1	600	0003	SAPK-60003INUIS4HOP1	UI for S/4HANA On Premise
ITG	805	0006	SAPK-80506INITG	Itego Generic Framework
ITO	805	0007	SAPK-80507INITO	MDG Reference Data Management Local Staging Area
ITR	805	0005	SAPK-80505INITR	MDG Reference Data Management
ITU	805	0001	SAPK-80501INITU	Itego MDF Utility Objects
ST-A/PI	01U_731	0002	SAPKITABC1	Servicetools for SAP Basis 731 and high

The components ITR, ITO, ITU, and ITG are highlighted with a red box in the original image. The status bar at the bottom shows 'IS1 (1) 000' and 'is1r3 INS'.

Additional check with SE06 - System Change Option

System Change Option

Settings Edit Goto System Help

Client Setting

Global Setting Modifiable

Software Component	Technical Name	Modifiable
Add-On Assembly Kit	AOFTOOLS	Modifiable
SAP Enterprise Extension Defense Forces & ..	EA-DFPS	Modifiable
SAP Enterprise Extension HR	EA-HR	Modifiable
Subcomponent EA-HRCAE of EA-HR	EA-HRCAE	Modifiable
Subcomponent EA-HRCAR of EA-HR	EA-HRCAR	Modifiable
Subcomponent EA-HRCAT of EA-HR	EA-HRCAT	Modifiable
Subcomponent EA-HRCAU of EA-HR	EA-HRCAU	Modifiable

Namespace/Name Range	Prefix	Modifiable
	/TSHCDP/	Modifiable
	/ISHFR/	Modifiable
IDEX	/ISIDEX/	Modifiable
Itego RDM Generic Objects	/ITG/	Modifiable
Itego RDM Local Staging Area - LSA	/ITO/	Modifiable
Itego Reference Data Management - RDM	/ITR/	Modifiable
Itego RDM MDF Utility Objects	/ITU/	Modifiable
	/IWBEP/	Modifiable
	/TWCOR/	Modifiable

TADIR selection with Software Components ITG, ITU, ITO and ITR

General Table Display

Table Display Edit Goto Extras System Help

Background Number of Entries All Entries View Maintenance

Table: TADIR Directory of Repository Objects

Text table:

Layout:

Maximum no. of hits: 500

Get Field:

Selection Criteria

Fld name	O..	Fr.Value	To value	More	Output	Technical name
Program ID				➔	<input checked="" type="checkbox"/>	PGMID
Object Type				➔	<input checked="" type="checkbox"/>	OBJECT
Object Name				➔	<input checked="" type="checkbox"/>	OBJ_NAME
Request/Task				➔	<input checked="" type="checkbox"/>	KORRNUM
Original System				➔	<input checked="" type="checkbox"/>	SRCSYSTEM
Pers.Responsib.				➔	<input checked="" type="checkbox"/>	AUTHOR
Repair Flag				➔	<input checked="" type="checkbox"/>	SRCDEP
Package				➔	<input checked="" type="checkbox"/>	DEVCLASS
Generation Flag				➔	<input checked="" type="checkbox"/>	GENFLAG
Editable				➔	<input checked="" type="checkbox"/>	EDTFLAG
Internal Use				➔	<input checked="" type="checkbox"/>	CPROJECT
Original Lang.				➔	<input checked="" type="checkbox"/>	MASTERLANG
Version number				➔	<input checked="" type="checkbox"/>	VERSID
Check exception				➔	<input checked="" type="checkbox"/>	PAKNOCHECK
Deployment Target				➔	<input checked="" type="checkbox"/>	OBJSTABTY
Softw. Comp.		ITG		➔	<input checked="" type="checkbox"/>	COMPONENT
SAP Release				➔	<input checked="" type="checkbox"/>	CRELEASE
Object Deleted				➔	<input checked="" type="checkbox"/>	DELFLAG
Translate				➔	<input checked="" type="checkbox"/>	TRANSLTXT
Created On				➔	<input checked="" type="checkbox"/>	CREATED_ON

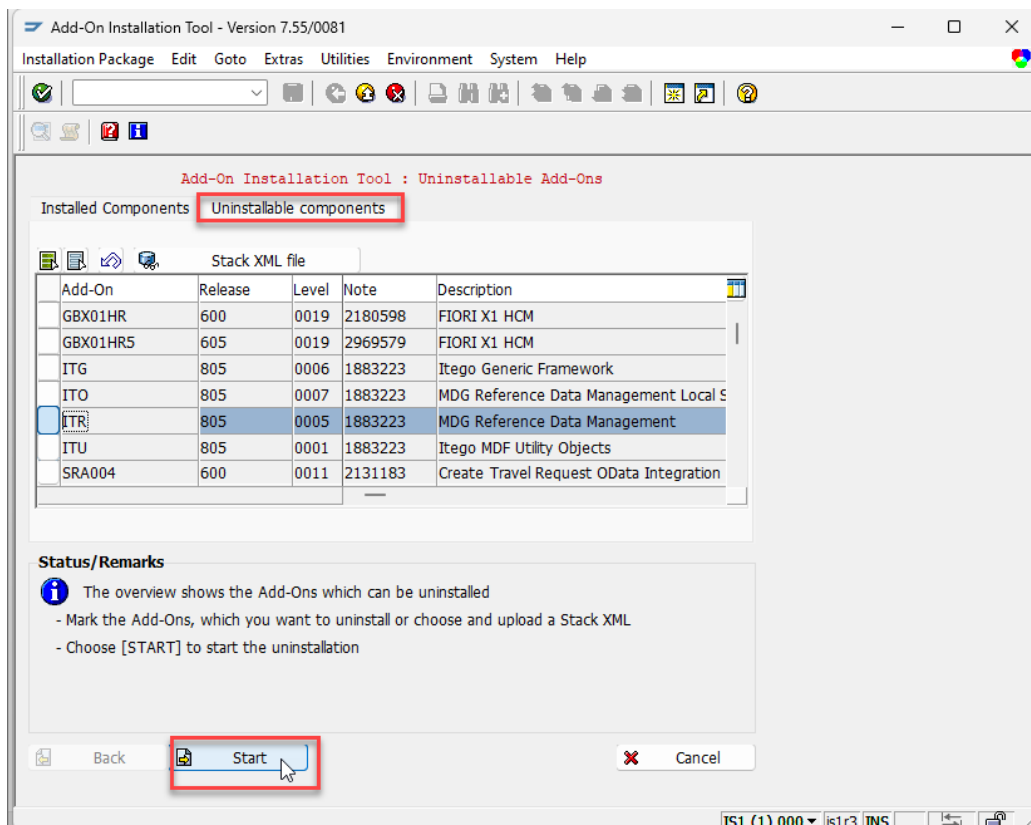
Number of Entries Found: 4.525

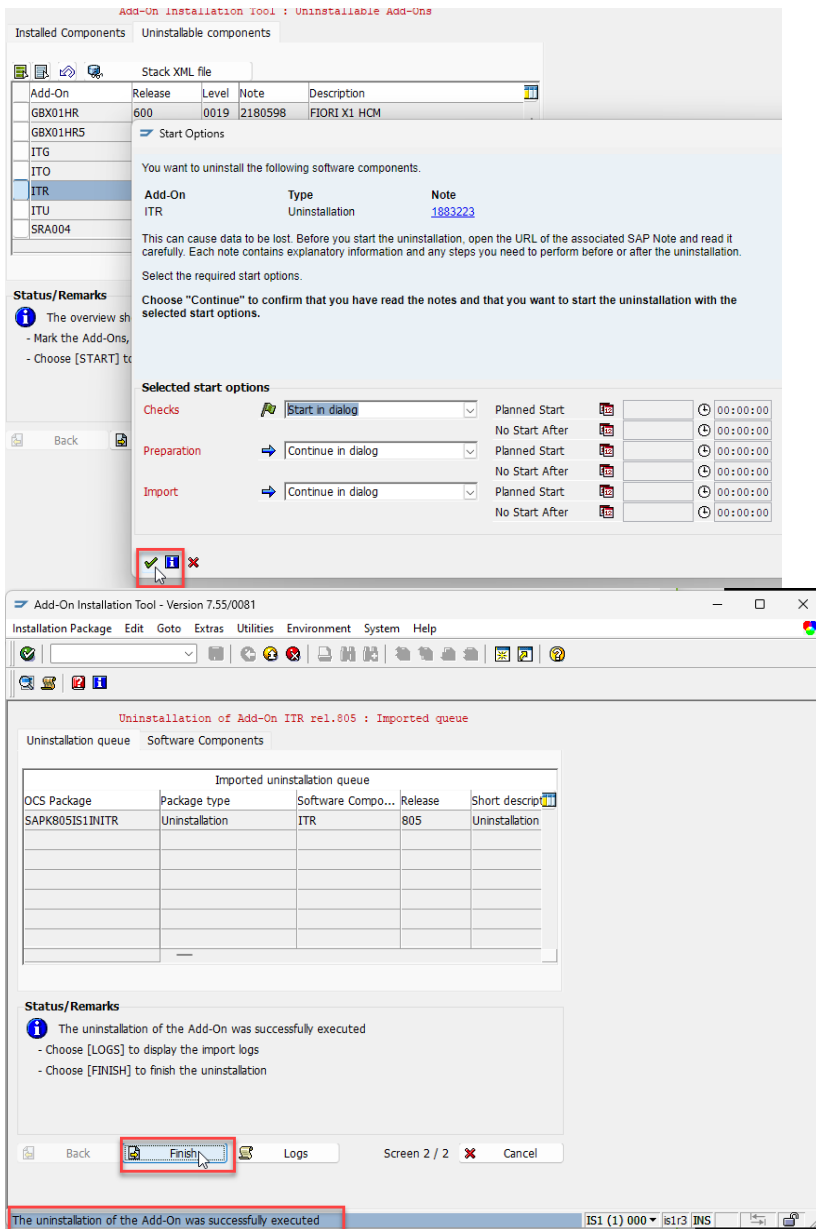
IS1 (2) 000 is1r3 INS

Uninstall ITR

Please ensure, that data model I1 has an activated status. This is the precondition that all data model related DDIC objects can be determined.

Start SAINT to uninstall ITR – start and confirm





Additional check with SE06 - System Change Option

System Change Option

Settings Edit Goto System Help

Client Setting

Global Setting Modifiable

Software Component	Technical Name	Modifiable
SAP Enterprise Extension Defense Forces & ...	EA-DFPS	Modifiable
SAP Enterprise Extension HR	EA-HR	Modifiable
Subcomponent EA-HRCAE of EA-HR	EA-HRCAE	Modifiable
Subcomponent EA-HRCAR of EA-HR	EA-HRCAR	Modifiable
Subcomponent EA-HRCAT of EA-HR	EA-HRCAT	Modifiable
Subcomponent EA-HRCAU of EA-HR	EA-HRCAU	Modifiable
Subcomponent EA-HRCBE of EA-HR	EA-HRCBE	Modifiable

Namespace/Name Range	Prefix	Modifiable
EA-DFPS	/ISDFPS/	Modifiable
	/ISHCDF/	Modifiable
	/ISHFR/	Modifiable
IDEX	/ISIDEX/	Modifiable
Itego RDM Generic Objects	/ITG/	Modifiable
Itego RDM Local Staging Area - LSA	/ITO/	Modifiable
Itego RDM MDF Utility Objects	/ITU/	Modifiable
	/IWBEF/	Modifiable
	/IWCOR/	Modifiable

Uninstall ITO

Add-On Installation Tool - Version 7.55/0081

Installation Package Edit Goto Extras Utilities Environment System Help

Add-On Installation Tool : Uninstallable Add-Ons

Installed Components **Uninstallable components**

Stack XML file

Add-On	Release	Level	Note	Description
GBX01HR	600	0019	2180598	FIORI X1 HCM
GBX01HR5	605	0019	2969579	FIORI X1 HCM
ITG	805	0005	1883223	Itego Generic Framework
ITO	805	0006	1883223	MDG Reference Data Management Local S
ITU	805	0000	1883223	Itego MDF Utility Objects
SRA004	600	0011	2131183	Create Travel Request OData Integration
UIAPFI70	800	0003	2408541	UI SFIN

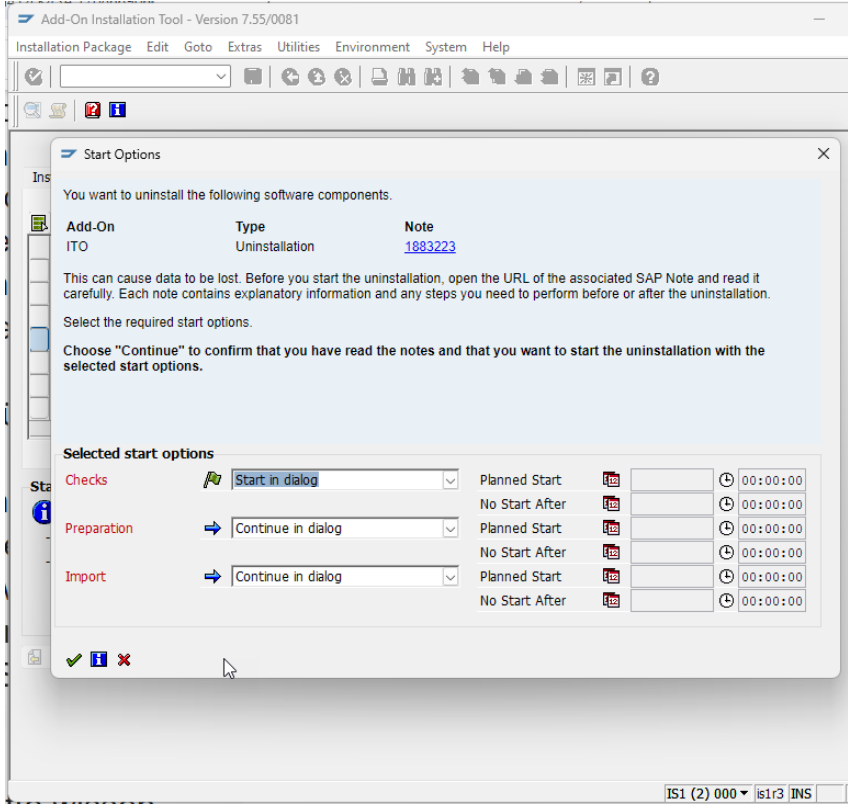
Status/Remarks

i The overview shows the Add-Ons which can be uninstalled

- Mark the Add-Ons, which you want to uninstall or choose and upload a Stack XML
- Choose [START] to start the uninstallation

Back **Start** Cancel

IS1 (2) 000 | is1r3 | INS



Add-On Installation Tool - Version 7.55/0081

Installation Package Edit Goto Extras Utilities Environment System Help

Uninstallation of Add-On ITO rel.805 : Imported queue

Uninstallation queue Software Components

Imported uninstallation queue				
OCS Package	Package type	Software Compo...	Release	Short descript
SAPK805IS1INITO	Uninstallation	ITO	805	Uninstallation

Status/Remarks

i The uninstallation of the Add-On was successfully executed

- Choose [LOGS] to display the import logs
- Choose [FINISH] to finish the uninstallation

Back Finish Logs Screen 2 / 2 Cancel

The uninstallation of the Add-On was successfully executed IS1 (2) 000

SAP Easy Access

Menu Edit Favorites Extras System Help

Installed Software

Installed Software Component Versions Installed Product Versions

Component	Release	SP-Level	Support Package	Short Description of Component
IS-PRA	805	0003	SAPK-80503INISPR	SAP IS-PRA
IS-PS-CA	805	0003	SAPK-80503INISPSCA	IS-PUBLIC SECTOR CONTRACT ACCOUNTING
IS-UT	805	0003	SAPK-80503INISUT	SAP Utilities/ Telecommunication
S4COREOP	105	0003	SAPK-10503INS4COREOP	S/4HANA, On-Premise only parts
S4DEPREC	105	0002	SAPK-10502INS4DEPREC	S/4HANA, deprecation parts
GBX01HR	600	0019	SAPK-60019INGBX01HR	FIORI X1 HCM
GBX01HR5	605	0019	SAPK-60519INGBX01HR5	FIORI X1 HCM
SRA004	600	0011	SAPK-60011INSRA004	Create Travel Request OData Integration
UIAPFI70	800	0003	SAPK-80003INUIAPFI70	UI SFIN
UIHR002	100	0015	SAPK-10015INUIHR002	UI for ERP Human Capital Management 100
UIMDG001	200	0011	SAPK-20011INUIMDG001	UI for MDG
UIS4HOP1	600	0003	SAPK-60003INUIS4HOP1	UI for S/4HANA On Premise
ITG	805	0005	SAPK-80505INITG	Itego Generic Framework
ITU	805	0000	-	Itego MDF Utility Objects
ST-A/PI	01U_731	0002	SAPKITABC1	Servicetools for SAP Basis 731 and highe

✓

Additional check with SE06 - System Change Option

System Change Option

Settings Edit Goto System Help

Client Setting

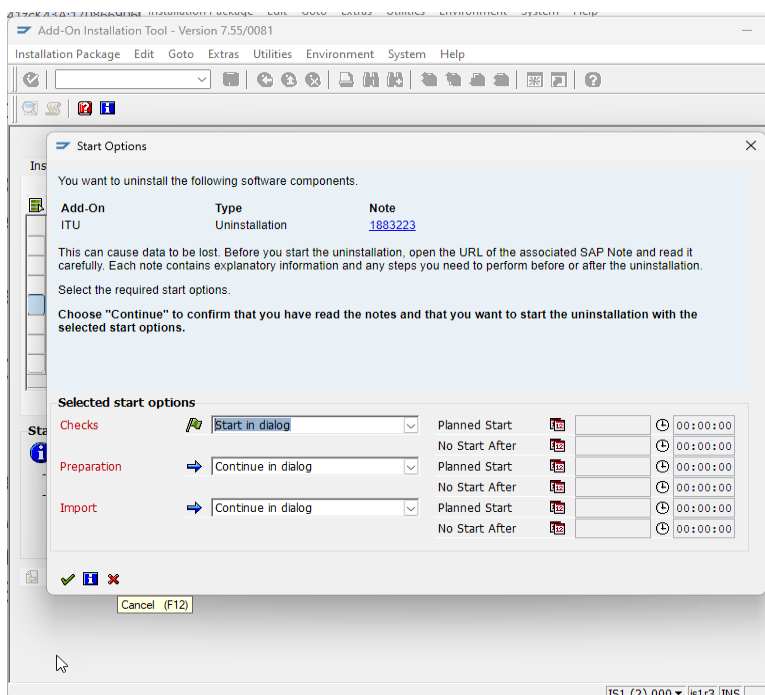
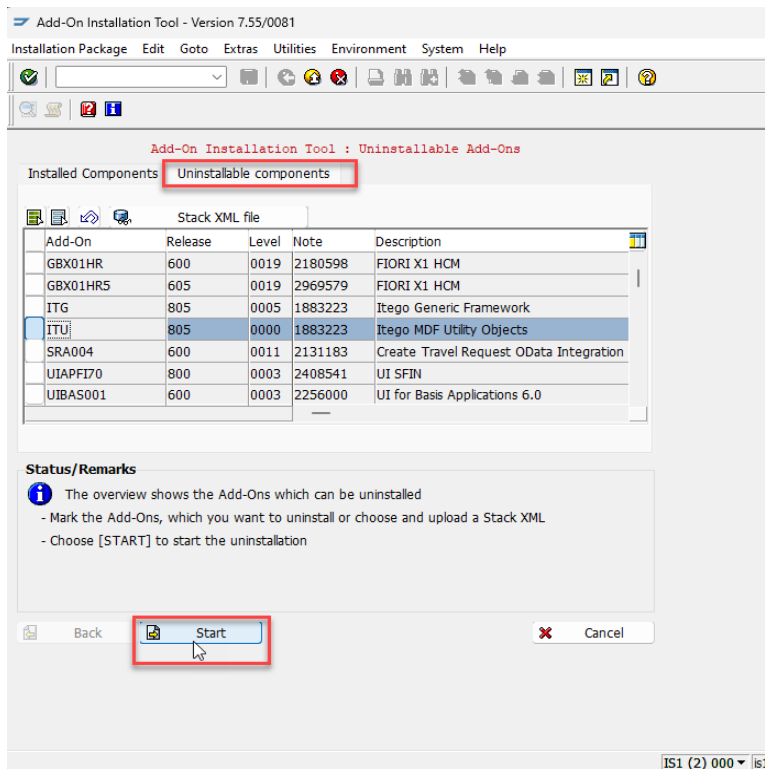
Global Setting Modifiable

Software Component	Technical Name	Modifiable
SAP Enterprise Extension Defense Forces & ...	EA-DFPS	Modifiable
SAP Enterprise Extension HR	EA-HR	Modifiable
Subcomponent EA-HRCAE of EA-HR	EA-HRCAE	Modifiable
Subcomponent EA-HRCAR of EA-HR	EA-HRCAR	Modifiable
Subcomponent EA-HRCAT of EA-HR	EA-HRCAT	Modifiable
Subcomponent EA-HRCAU of EA-HR	EA-HRCAU	Modifiable
Subcomponent EA-HRCBE of EA-HR	EA-HRCBE	Modifiable

Namespace/Name Range	Prefix	Modifiable
	/ISHFR/	Modifiable
IDEX	/ISIDEX/	Modifiable
Itego RDM Generic Objects	/ITG/	Modifiable
Itego RDM MDF Utility Objects	/ITU/	Modifiable
	/IWBEP/	Modifiable
	/IWCOR/	Modifiable
	/IWFND/	Modifiable
	/IWHDB/	Modifiable
	/IWNW/	Modifiable

IS1 (2) 000

Uninstall ITU



Add-On Installation Tool - Version 7.55/0081

Installation Package Edit Goto Extras Utilities Environment System Help

Uninstallation of Add-On ITU rel.805 : Imported queue

Uninstallation queue Software Components

Imported uninstallation queue				
OCS Package	Package type	Software Compo...	Release	Short descrip...
SAPK805IS1INITU	Uninstallation	ITU	805	Uninstallation

Status/Remarks

i The uninstallation of the Add-On was successfully executed

- Choose [LOGS] to display the import logs
- Choose [FINISH] to finish the uninstallation

Back Finish Logs Screen 2 / 2 Cancel

The uninstallation of the Add-On was successfully executed | IS1 (2) 000

SAP Easy Access

Menu Edit Favorites Extras System Help

System: Status

Installed Software

Installed Software Component Versions Installed Product Versions

Component	Release	SP-Level	Support Package	Short Description of Component
IS-OIL	805	0003	SAPK-80503INISOIL	IS-OIL
IS-PRA	805	0003	SAPK-80503INISPPRA	SAP IS-PRA
IS-PS-CA	805	0003	SAPK-80503INISPPSCA	IS-PUBLIC SECTOR CONTRACT ACCOUNTING
IS-UT	805	0003	SAPK-80503INISUT	SAP Utilities/Telecommunication
S4COREOP	105	0003	SAPK-10503INS4COREOP	S/4HANA, On-Premise only parts
S4DEPREC	105	0002	SAPK-10502INS4DEPREC	S/4HANA, depreciation parts
GBX01HR	600	0019	SAPK-60019INGBX01HR	FIORI X1 HCM
GBX01HR5	605	0019	SAPK-60519INGBX01HR5	FIORI X1 HCM
SRA004	600	0011	SAPK-60011INSRA004	Create Travel Request OData Integration
UIAPFI70	800	0003	SAPK-80003INUAPFI70	UI SFIN
UIHR002	100	0015	SAPK-10015INUHR002	UI for ERP Human Capital Management 100
UIMDG001	200	0011	SAPK-20011INUIMDG001	UI for MDG
UIS4HOP1	600	0003	SAPK-60003INUIS4HOP1	UI for S/4HANA On Premise
ITG	805	0005	SAPK-80505INITG	Itego Generic Framework
ST-A/PI	01U_731	0002	SAPKITABC1	Servicetools for SAP Basis 731 and highe

Additional check with SE06 - System Change Option

System Change Option

Settings Edit Goto System Help

Client Setting

Global Setting **Modifiable**

Software Component	Technical Name	Modifiable
SAP Enterprise Extension Defense Forces &...	EA-DFPS	Modifiable
SAP Enterprise Extension HR	EA-HR	Modifiable
Subcomponent EA-HRCAE of EA-HR	EA-HRCAE	Modifiable
Subcomponent EA-HRCAR of EA-HR	EA-HRCAR	Modifiable
Subcomponent EA-HRCAT of EA-HR	EA-HRCAT	Modifiable
Subcomponent EA-HRCAU of EA-HR	EA-HRCAU	Modifiable
Subcomponent EA-HRCBE of EA-HR	EA-HRCBE	Modifiable

Namespace/Name Range	Prefix	Modifiable
Document Builder	/IFRO/	Modifiable
EA-DFPS	/ISDFPS/	Modifiable
	/ISHCDP/	Modifiable
	/ISHFR/	Modifiable
INDEX	/ISIDEX/	Modifiable
Itego RDM Generic Objects	/ITG/	Modifiable
	/IWBEP/	Modifiable
	/IWCOR/	Modifiable
	/IWEND/	Modifiable

IS1 (3) 000

Uninstall ITG

Add-On Installation Tool - Version 7.55/0081

Installation Package Edit Goto Extras Utilities Environment System Help

Add-On Installation Tool : Uninstallable Add-Ons

Installed Components **Uninstallable components**

Stack XML file

Add-On	Release	Level	Note	Description
GBX01HR	600	0019	2180598	FIORI X1 HCM
GBX01HR5	605	0019	2969579	FIORI X1 HCM
ITG	805	0005	1883223	Itego Generic Framework
SRA004	600	0011	2131183	Create Travel Request OData Integration
UIAPF170	800	0003	2408541	UI SFIN
UIBAS001	600	0003	2256000	UI for Basis Applications 6.0
UIHR002	100	0015	2408541	UI for ERP Human Capital Management 10

Status/Remarks

i The overview shows the Add-Ons which can be uninstalled

- Mark the Add-Ons, which you want to uninstall or choose and upload a Stack XML
- Choose [START] to start the uninstallation

Back **Start** Cancel

IS1 (2) 000

Start Options

You want to uninstall the following software components.

Add-On	Type	Note
ITG	Uninstallation	1883223

This can cause data to be lost. Before you start the uninstallation, open the URL of the associated SAP Note and read it carefully. Each note contains explanatory information and any steps you need to perform before or after the uninstallation.

Select the required start options.

Choose "Continue" to confirm that you have read the notes and that you want to start the uninstallation with the selected start options.

Selected start options

Checks	Start in dialog	Planned Start	No Start After	Planned Start	No Start After	Planned Start	No Start After	Planned Start	No Start After
	Start in dialog								
Preparation	Continue in dialog								
Import	Continue in dialog								

IS1 (2) 000 | IS1r3 INS

Add-On Installation Tool - Version 7.55/0081

Installation Package Edit Goto Extras Utilities Environment System Help

Uninstallation of Add-On ITG rel.805 : Imported queue

Uninstallation queue Software Components

Imported uninstallation queue				
OCS Package	Package type	Software Compo...	Release	Short descrip...
SAPK805IS1INITG	Uninstallation	ITG	805	Uninstallation

Status/Remarks

i The uninstallation of the Add-On was successfully executed

- Choose [LOGS] to display the import logs
- Choose [FINISH] to finish the uninstallation

Back Finish Logs Screen 2 / 2 Cancel

The uninstallation of the Add-On was successfully executed IS1 (2) 000 | is1r3 INS

System: Status

Usage data

Installed Software

Installed Software Component Versions Installed Product Versions

Component	Release	SP-Level	Support Package	Short Description of Component
INSURANCE	805	0003	SAPK-80503ININSURANC	SAP Insurance
IS-OIL	805	0003	SAPK-80503INISOIL	IS-OIL
IS-PRA	805	0003	SAPK-80503INISPPRA	SAP IS-PRA
IS-PS-CA	805	0003	SAPK-80503INISPPCA	IS-PUBLIC SECTOR CONTRACT ACCOUNTING
IS-UT	805	0003	SAPK-80503INISUT	SAP Utilities/ Telecommunication
S4COREOP	105	0003	SAPK-10503INS4COREOP	S/4HANA, On-Premise only parts
S4DEPREC	105	0002	SAPK-10502INS4DEPREC	S/4HANA, depreciation parts
GBX01HR	600	0019	SAPK-60019INGBX01HR	FIORI X1 HCM
GBX01HR5	605	0019	SAPK-60519INGBX01HR5	FIORI X1 HCM
SRA004	600	0011	SAPK-60011INSRA004	Create Travel Request OData Integration
UIAPF170	800	0003	SAPK-80003INUJAPF170	UI SFIN
UIHR002	100	0015	SAPK-10015INUJHR002	UI for ERP Human Capital Management 100
UIMDG001	200	0011	SAPK-20011INUJMDG001	UI for MDG
UIS4HOP1	600	0003	SAPK-60003INUJIS4HOP1	UI for S/4HANA On Premise
ST-A/PI	01U_731	0002	SAPKITABC1	Servicetools for SAP Basis 731 and highe

Uninstall Check via TADIR

Select all RDM objects with software components ITG, ITU, ITO and ITR.

The screenshot shows the SAP TADIR (Table Display) interface. The main window displays a table of repository objects. A dialog box titled "Multiple Selection by Field" is open, allowing the user to define selection criteria. The "Field" is set to "COMPONENT" and "Software Component" is selected. The dialog lists four criteria: ITR, ITO, ITG, and ITU, which are highlighted with a red box. A red arrow points from the "ITR" entry in this list to the "ITR" value in the "Software Component" column of the main table. The main table also shows other columns like "Object Type", "Object Name", and "Deployment Target".

Field name	O..	Fr.Value		
Program ID				
Object Type				
Object Name				
Request/Task				
Original System				
Pers.Responsib.				
Repair Flag				
Package				
Generation Flag				
Editable				
Internal Use				
Original Lang.				
Version number				
Check exception				
Deployment Target				
Softw. Comp.		ITR		
SAP Release				
Object Deleted				

This TADIR check shows, that all RDM objects (more than 4,500) with software components ITG, ITR, ITO and ITR have been removed successfully – no values found.

General Table Display

Table Display Edit Goto Extras System Help

Background Number of Entries All Entries View Maintenance

Table: TADIR

Text table: No texts

Layout:

Maximum no. of hits: 500 Maintain entries

Get Field:

Selection Criteria

Fld name	O..	Fr.Value	To value	More	Output	Technical name
Program ID					<input checked="" type="checkbox"/>	PGMID
Object Type					<input checked="" type="checkbox"/>	OBJECT
Object Name					<input checked="" type="checkbox"/>	OBJ_NAME
Request/Task					<input checked="" type="checkbox"/>	KORRNUM
Original System					<input checked="" type="checkbox"/>	SRCSYSTEM
Pers.Responsib.					<input checked="" type="checkbox"/>	AUTHOR
Repair Flag					<input checked="" type="checkbox"/>	SRCDEP
Package					<input checked="" type="checkbox"/>	DEVCLASS
Generation Flag					<input checked="" type="checkbox"/>	GENFLAG
Editable					<input checked="" type="checkbox"/>	EDTFLAG
Internal Use					<input checked="" type="checkbox"/>	CPROJECT
Original Lang.					<input checked="" type="checkbox"/>	MASTERLANG
Version number					<input checked="" type="checkbox"/>	VERSID
Check exception					<input checked="" type="checkbox"/>	PAKNOCHECK
Deployment Target					<input checked="" type="checkbox"/>	OBJSTABTY
Softw. Comp.		ITR			<input checked="" type="checkbox"/>	COMPONENT
SAP Release					<input checked="" type="checkbox"/>	CRELEASE
Object Deleted					<input checked="" type="checkbox"/>	DELFLAG
Translate					<input checked="" type="checkbox"/>	TRANSLTXT
Created On					<input checked="" type="checkbox"/>	CREATED_ON

E: No values found

IS1 (2) 000 | is1r3 | INS