



Installation Guide for EAM Solutions by Utopia for S/4HANA

Release EAM 1909

Document History

The following tables provide an overview of the most important document changes and approvals.

Version	Date	Description	Name
1.0	20-11-2019	Initial version	Rahul Ganjiwale
1.1	29-05-2020	Updated for SP01	Rahul Ganjiwale
1.2	07-08-2020	Updated sizing section	Rahul Ganjiwale

Approval History

Version	Date	Description	Name
1.0	20-11-2019	Initial version	Lyle Snyder
1.1	29-05-2020	Updated for SP01	Lyle Snyder
1.2	07-08-2020	Updated sizing section approved	Lyle Snyder

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1. Introduction

This document contains technical information about the installation of EAM 1909 by Utopia. This guide is updated on a regular basis. Make sure to download the latest version of this guide prior to start of the installation process.

1.1. Technical Information

As displayed in the following table, installation of EAM 1909 by Utopia and other relevant packages.

Release	Task	Tool
UGI 930	Installation/Update	SAINT/SUM
UGI3 930	Installation/Update	SAINT/SUM
UGIEAMUI 930	Installation/Update	SAINT/SUM
UGIOD01 930	Installation/Update	SAINT/SUM
UISU 930	Installation (Optional – if IS-Utilities is activated and used)	SAINT/SUM

1.2. Related Terms

- SAINT, Add-On, UGI, MDG EAM 1909 by Utopia, SAP Master Data Governance, enterprise asset management extension 1909 for S/4HANA by Utopia, EAM
- DVD: TBD
- Technical usage and Instance: MDG EAM 1909 by Utopia
- Add-on product: MDG EAM 1909 by Utopia
- Software Components: UGI 930

1.3. Prerequisites

In this section, the important prerequisite information is listed.

- MDG EAM 1909 requires S/4HANA 1909 or 1809 FPS02
- Utopia Add-on UGI3 (SAPK-930COINUGI3)
 - This Add-on is a prerequisite for deploying the EAM 1909 by Utopia Package.
 - In the case of Hub installation, the SAPK-930COINUGI3 will be required on both the Hub and the target SAP systems to support replication.
 - The minimum requirement for installing UGI3 Add-on component is ERP 6 EhP8 SPS7.
- If IS-U is active and put under governance for EAM, then OSS Note [2392135](#) – SAP S/4HANA Master Data Governance & Industry Solutions is applicable and must be reviewed in advance.

1.4. Constraints

Refer to the following documents:

- [2837658](#) - SAP Master Data Governance, enterprise asset management extension by Utopia 1909 for S/4HANA Release Information Note.
- [2837648](#) - Functional Restrictions in SAP MDG-EAM by Utopia 1909 for S/4HANA

1.5. Component Information

Component	Version	Support Package	Description
UGI	930	00	MDG EAM Extension by Utopia
UGI3	930	00	MDG EAM Connector by Utopia
UGIEAMUI	930	00	MDG EAM Fiori frontend by Utopia
UGIOD01	930	00	MDG EAM Fiori Integrator by Utopia
UISU	930	00	MDG EAM IS-U Extension by Utopia (optional – only applicable where IS utilities is activated and in us)

2. Preparation

Obtain the following notes before you begin the installation.

- Add-ons - General Conditions and Upgrade Planning: [70228](#)
- Release Information Note EAM 1909: [2837658](#)
- Restriction Note EAM 1909: [2837648](#)
- Customizing after Installation/Upgrade: [337623](#)
- Problems with transaction SAINT: [822380](#)
- Secure passwords can be found in the Info tab on the SAP Software Download Center page.

2.1. Applicable Notes

Review the listed notes which are applicable to your release and apply accordingly.

Note	Text	App. Component
2694542	BOM Functional modules do not fetch data if deletion indicator is set in ALE Env	LO-MD-BOM
2770222	MDG read performance - class CL_MDG_MDF_STORAGE_CHAR_LOCAL	CA-MDG-AF
2822576	Timeout may occur when creating a mixed multiple object change request in which	CA-MDG-AF-GF
2831485	Locked object cannot be detected during creation of multiple-record processing c	CA-MDG-AF
2833000	Shortdump when deleting object in Multi-Object Processing Change Request for Cus	CA-MDG-AF-GF
2867218	MDG-BP/OG - Dump during Hana search	CA-MDG-DQ
2821966	SAP NWBC ABAP Runtime Patch	BC-FES-BUS-RUN

2.2. Sizing

Refer to standard [sizing guides](#) and tools for evaluating sizing needs.

2.2.1. Throughput based Sizing (CPU and Memory)

As the Utopia objects are not yet available in SAP online quick sizer tool, while doing your sizing for EAM objects, please consider 1 MDG-UGI-EAM process ~ 1 MDG-MM Process.

These are the potential EAM Objects in Scope are Equipment (EQ), Functional Location (FL), Bill of Material (MB), Work Center (WC), Task List (TL), Object Link (OL), Object Network (ON), Measuring Point (MP), Maintenance Plan /Item (MI), Service Master (SV).

For example; If the scope is for Equipment (EQ), and Functional Location (FL), then this is how you can calculate the input for the Quick Sizer tool:

- 1 sizing object of EQ + 1 sizing object of FL ~ 2 sizing objects of Material (MDG-MM).

For sizing you can use the Quick Sizer (www.sap.com/sizing --> Quick Sizer) by mapping the processes to Master Data Governance for Material (MDG-MM)

2.2.2. User based Sizing (CPU and Memory)

As the Utopia objects are not yet available in SAP online quick sizer tool, while performing user-based sizing, please consider 1 MDG-UGI-EAM-USER ~ 1 MDG-MM-USER.

These are the potential EAM Objects in Scope are Equipment (EQ), Functional Location (FL), Bill of Material (MB), Work Center (WC), Task List (TL), Object Link (OL), Object Network (ON), Measuring Point (MP), Maintenance Plan /Item (MI), Service Master (SV).

For example; If the scope is for 1 Equipment (EQ), and 1 Functional Location (FLOC) Users, then this is how you can calculate the input for the Quick Sizer tool:

- 1 EQ User + 1 FLOC User ~ 2 Users of Material (MDG-MM-USER)

For sizing you can use the Quick Sizer (www.sap.com/sizing --> Quick Sizer) by mapping the processes to Master Data Governance for Material (MDG-MM-USER).

3. Pre-upgrade installation

Note

This step is critically important.

If the installation is an upgrade of prior release, please ensure to perform the critical steps noted below prior to initiating the upgrade.

1. To upgrade to MDG EAM 1909 version in preparation for S/4HANA 1909 Migration from ERP on S/4HANA, when an existing installation of EAM is already installed and running in a system, ensure that all the Change Requests related to the U1 Data Model are in either “Final Check Approved” or “Final Check Rejected” status.
2. This can be seen easily in table USMD120C and filtered by all the Change Request Types used in your system for the U1 Data Model.

Check that the statuses are all “05- Final Check Approved” or “06-Final Check Rejected”.

This step is required due to major changes within the Data Model in MDG EAM 1909.

If the suggested action is not performed, all the staging data of the running /open Change Requests will be corrupted and will not work as expected.

4. Installation

Installation or Upgrade of UGI and other add-ons can be performed via transaction SAINT or SUM tool once the SAP S/4HANA 1909 or 1809 FPS02 has been installed and all mentioned prerequisite notes have been reviewed and applied as applicable. **Also, ensure that you have secured the passwords mentioned in the Info tab section of the SAP Software Download Center.**

It is recommended to take a backup prior to installation of add-ons. For deploying any subsequent support packages at a later stage, you can use the SPAM tool.

For Hub-based deployment, UGI3 Add-on SAPK-930COINUGI3 will be required on both the Hub and the target systems to support replication. This add-on is a prerequisite for deploying the UGI 930 Package.

If you have IS-Utilities activated and are planning to use Utopia Solution extension for the same, optional UISU component can be installed along with the EAM UGI core components. Also, note that IS-Utilities is supported on S4 HANA starting with version 1809.

In the event you face any difficulty in generating stack.xml in maintenance planner when planning upgrade of EAM components, please raise an OSS message under component **BC-UPG-ADDON**.

Following SAP standard UI components are applicable and need to be installed in order to enable certain features.

Component	Release	Patch Level	Description
UIBAS001	500	0	UI for Basis Applications
UIGEF001	100	6	UI for GEO Enablement
UIMDG001	200	8	UI for MDG
UIS4HOP1	500	0	UI for S/4HANA On Premise

SAP Application Function Library (AFL) is required for certain use cases. For installation and configuration information refer to the link: [AFL](#)

Note

Regarding migration to S/4HANA: If you are currently running on ERP with a lower version of Utopia EAM product, you may need to first upgrade the Utopia Add-on to the supported version on target release prior to migration. If you do face any issue with

4.1. Steps

- Retrieve the package passwords from the SAP Software Download Center. They can be found on the Info tab.
- Generate the stack.xml file using either using SAP Maintenance Planner or using the SAP Maintenance Optimizer.
- In the SAP Maintenance Optimizer or Maintenance Planner, select the relevant add-on product version EAM 1909 using “Choose Add-on Products” options.
- Go through the guided procedure to generate the stack.xml and add the packages to SAP download manager.
- Download and extract the packages to directory <DIR_TRANS>/EPS/in of the application and save the stack.xml.
- Call transaction SAINT and choose “Start” > “Load” to upload the Packages from the EPS Inbox.
- After upload, choose “Back” and “Start” again. Select the add-on component UGI 930 by providing stack.xml and choose “Continue”. If the necessary conditions for importing the add-on have been fulfilled, the system displays the relevant queue. The queue consists of the add-on packages and can also contain Support Packages and other add-on packages. To start the installation process, choose “Continue” and run the import.
- After the process returns after completion click on “Finish” to conclude the Installation process.

Note

For general information, call transaction SAINT and choose “Info” on the Application Toolbar. The system prompts you to enter a password for EAM 1909. You can refer to the Info tab section of the SAP Software Download Center for a password.

For more information on the prerequisite guides, see the relevant guides on https://help.sap.com/viewer/p/MDG_EAM. For example, if you are looking for SAP Master Data Governance, Enterprise Asset Management by Utopia, Installation Guide, search for "Enterprise Asset Management by Utopia "

4.2. De-Installation

If you want to de-install the UGI component, it is possible via SAINT tool. Additionally, there is a tool released by Utopia for cleaning up some structures that are not automatically cleaned by SAINT. Please refer to the De-installation guide released by Utopia, prior to running the de-install via SAINT.

Call transaction SAINT > select De-Installable Components tab > select component > Start > Proceed based on listed options till it finishes.

Note

De-installation may require a reset of implemented notes, manual corrections or another extension. De-installation can result in data loss based on configured scenarios and customizations. Do take a backup before running de-install process and after conclusion verify the impact before proceeding in other landscapes

4.3. Support Pack Installation

Not Available

5. Post-Installation

5.1. Language Support

The following languages are supported for MDG EAM 1909 release:

- English
- German
- Italian
- Korean
- Simplified Chinese
- Spanish
- Portuguese
- French
- Dutch
- Russian

The MDG EAM 1909 suite is delivered with English as the default language. The above language packages can be imported via the [SMLT](#) transaction. Use the import in all client's settings for importing the customizing translations.

Contact Utopia for any other language support requirements.

Note

For information about subsequently installing further languages in your system, see Note [195442](#).

5.2. Known Limitations and Errors

There are no known errors. Report any error via an SAP Incident under the component "XX-PART-UGI".

- Refer to SAP [2837648](#) for limitations and restrictions.

5.3. Delivery Customizing

- Delivery Customizing is imported into client 000 and may have to be copied to other clients. For more information, see Note [337623](#).
- Use the EAM specific information in the Master Guide and Operations Guide at SAP Service Marketplace: https://help.sap.com/viewer/p/MDG_EAM > SAP Solution Extensions > SAP MDG-EAM by Utopia.