

How-To Guide: SAP AIN and MDG AIW solution by Prometheus Group

Applies to

MDG AIW solution by Utopia 2021 and 1909 SP01 onwards.

Summary

This How to Guide provides configuration and integration steps of SAP AIN and MDG AIW solution. It also provides higher level idea about integration functionality.

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Table of Contents

| | |
|--|---|
| 1. Introduction | 3 |
| 2. Terminologies | 3 |
| 3. Pre-requisite | 3 |
| 4. Configuration steps to enable integration between SAP AIN and Utopia AIW | 3 |
| 5. ACF and AIW integration | 4 |
| 5.1. Equipment Creation from Asset Central | 4 |
| 5.2. Equipment Creation/Change from MDG AIW | 5 |
| 5.3. Functional Location Creation from Asset Central | 5 |
| 5.4. Functional Location creation from MDG AIW | 6 |
| 5.5. Functional Location Change from AIN | 6 |
| 5.6. Functional Location Change from AIW | 6 |
| 5.7. Rejection of Creation/Change of Equipment/ Functional Location from AIN. | 7 |
| 6. Limitation and Restriction | 7 |

1. Introduction

Document articulates how to integrate Utopia MDG with SAP Asset Intelligence Network. As part of Utopia's AIW 1909 SP01 release integration is limited to Equipment and Functional location. This document provides all necessary steps to integrate AIW with SAP AIN, link to SAP AIN portal, basic system configuration and Restriction link.

Furthermore, document describes how Equipment/Functional Location can be created/changed from MDG AIW to SAP AIN and provides diagrammatic flow on synchronization between MDG AIW/S4 HANA/AIN.

This document provides information on integration of SAP Asset Intelligence Network and Utopia Maser Data Governance.

2. Terminologies

Important terms and terminology that are used in this document.

| Terminology | Description |
|-------------|---|
| SAP IAM | SAP Intelligent Asset Management |
| SAP AIN | SAP Asset Intelligent Network |
| MDG AIW | Master Data Governance Asset Information Workbech |
| SAP EAM | SAP Enterprise Asset Management |
| SAP ACF | Asset central Foundation |

3. Pre-requisite

Customers should ensure that they have Utopia Asset Information Workbench (AIW) for Master data Governance process.

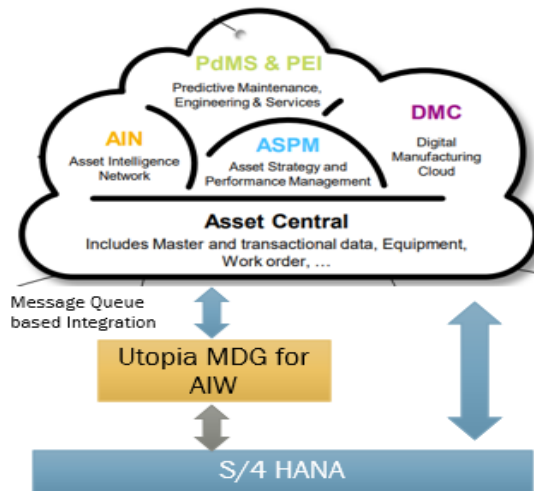
- Utopia AIN – MDG integration supports from below versions and onwards.
 - Release Version
 - SAP S/4HANA 1909 SP01
 - Utopia MDG 1909 SP01 [Link](#)
 - Utopia AIW 1909 SP01 [Link](#)
- Standard Integration of Asset Central Foundation with SAP EAM should be in place.
 - [Link to Integration of ACF with SAP EAM](#)

4. Configuration steps to enable integration between SAP AIN and Utopia AIW

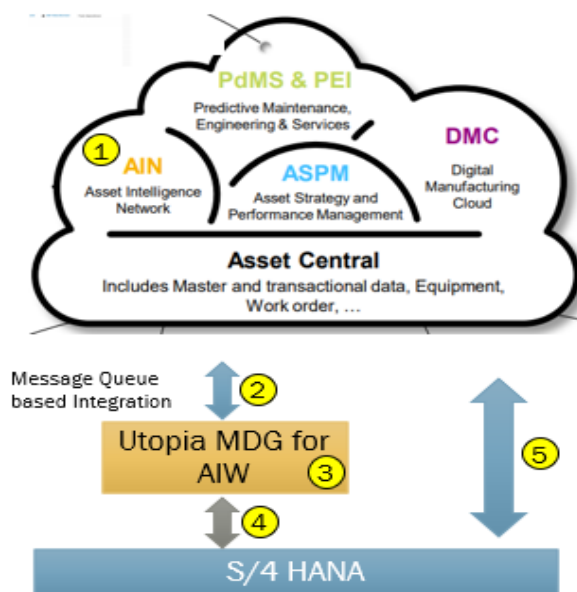
- To enable integration between SAP AIN and Utopia AIW, refer section 4.15 of UGI_EAM_AIW_ConfigurationGuide_S/4H. [Link](#)

5. ACF and AIW integration

- Utopia MDG for AIW supports Synchronization and Replication of asset central data through Master Data Governance process.
- As a part of 1909 SP01 release for SAP AIN and MDG AIW integration we support Equipment, Functional Location, and their hierarchies, through Asset Information workbench.

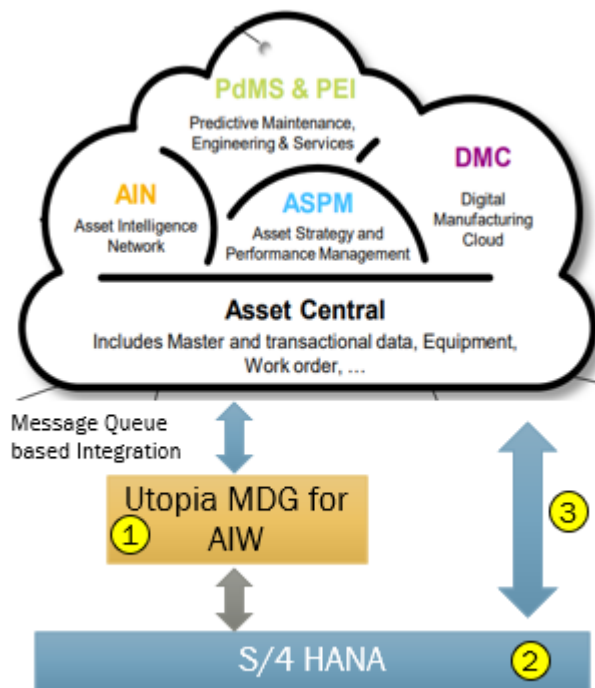


5.1. Equipment Creation from Asset Central.



1. Create EQUIPMENT object in SAP AIN via referencing a Model and save.
2. A MOCR is created in MDG AIW with the above object's master data.
3. In MDG AIW, object's master data is enriched further and the MOCR is approved.
4. After MOCR is approved, the object is created in S/4 HANA with the enriched master data.
5. The AIN instance of the EAM object is further updated via synchronization between S/4 HANA and AIN.

5.2. Equipment Creation/Change from MDG AIW

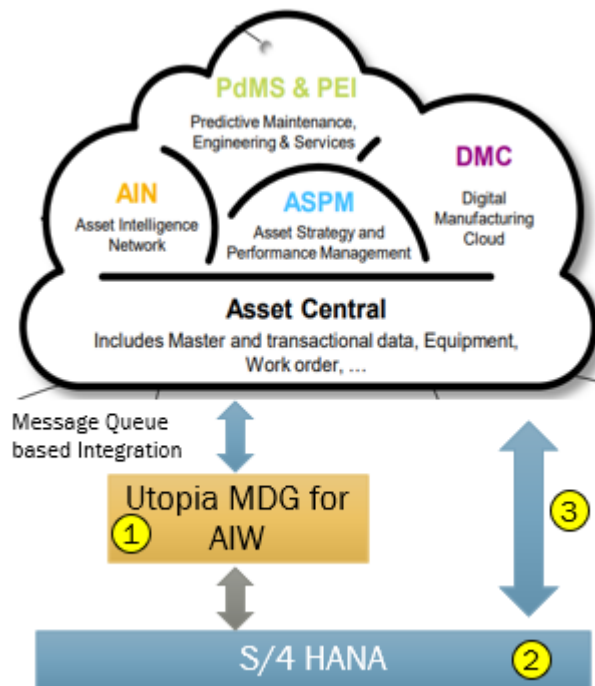


1. Create a MOCR in MDG AIW to create/change EQUIPMENT object.
2. After MOCR is approved, the object is created if it is create equipment scenario. Updated/changed in S/4 HANA in case of change equipment scenario.
3. EQUIPMENT object is created in AIN incase of create equipment scenario or equipment is updated/changed in AIN incase of change equipment scenario by the synchronization between S/4 HANA and AIN.

5.3. Functional Location Creation from Asset Central

- The synchronization of Functional Location created on asset central is not supported by SAP and Utopia AIW integration.
- Only Replication (from MDG AIW to AIN) is supported.

5.4. Functional Location creation from MDG AIW



1. Create FUNCTIONAL LOCATION in MDG AIW by creating a MOCR.
2. After MOCR is approved, the object is created in S/4 HANA with the enriched master data.
3. FUNCTIONAL LOCATION object is also created in AIN by the synchronization between S/4 HANA and AIN.

5.5. Functional Location Change from AIN

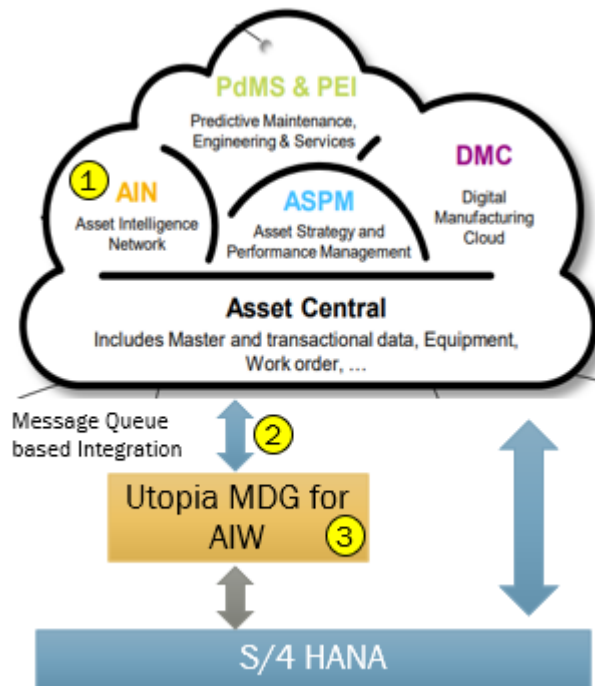
1. Functional Location Change from AIN is like Equipment change from AIN.
2. If functional location is created through MDG AIW it will be successfully replicated to AIN.
3. When change/updation happens to the Functional Location from AIN, CR will be created in MDG AIW for change process.
4. Once CR is approved and activated, changes would be updated in S4.

5.6. Functional Location Change from AIW

Functional Location change from AIW is like equipment change from AIW.

1. Create a MOCR in MDG AIW to change Functional Location object.
2. After MOCR is approved and activated in MDG AIW, the object is updated/changed in S/4 HANA.
3. Functional Location object is also updated/changed in AIN by the standard synchronization between S/4 HANA and AIN.

5.7. Rejection of Creation/Change of Equipment/ Functional Location from AIN.



1. Create/Change the EAM Object in SAP AIN and save.
2. A MOCR is created in MDG AIW with the above object's master data changes.
3. In MDG AIW, the approver rejects the MOCR and a notification for rejection is sent via mail to the 'SAP Workflow Administrator' and to the user who created the EAM object.

6. Limitation and Restriction

- Please refer note for [2859696](#) limitation and Restrictions.