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Feature Scope Description

Content

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1 Feature Scope Description

About This Document

This feature scope description shows you which features are provided with SAP Asset Intelligence Network, cloud edition.

Supported Languages

SAP Asset Intelligence Network, cloud edition supports the following languages:

- English
- Simplified Chinese
- German
- Spanish
- French
- Italian
- Japanese
- Danish
- Polish
- Russian
- Czech
- Hungarian
- Korean
- Portuguese
- Romanian
- Arabic
- Bulgarian
- Traditional Chinese
- Croatian
- Dutch
- Finnish
- Greek
- Hebrew
- Malay
- Norwegian

- Swedish
- Thai
- Turkish

The language in which the UIs of SAP Asset Intelligence Network, cloud edition are displayed depends on your browser language settings.

Key Features

SAP Asset Intelligence Network is a global registry that uses common definitions to define equipment. These definitions are shared between multiple business partners such as manufacturers/OEMs, operators, and service providers to deliver new collaborative business models. It is a collaboration engine between companies to facilitate a next generation of asset management processes.

SAP Asset Intelligence Network is centered on the following four areas:

- **Content:** SAP Asset Intelligence Network provides unique identification for each customer's assets, as well as provisions for maintaining associated details, such as warranties and maintenance schedules. This helps to maintain uniformity, completeness, and correctness of the customer's assets. Service providers can use the information stored in SAP Asset Intelligence Network to align their manpower and plan spare parts that are required to perform maintenance tasks.
- **Network:** brings together OEMs, asset operators, and service providers to a collaborative platform to share feedback on the performance of an asset, overall equipment efficiency, and best practices for maintenance procedures with a view to prolonging the life span of assets.
- **Applications:** a platform, which enables the OEM to maintain the latest information on/about spare parts for an asset, including drawings and maintenance plans. By moving away from reactive maintenance to a predictive maintenance approach, SAP has come a long way in maintenance management. Constant streaming of an asset's working conditions to SAP Asset Intelligence Network through sensors and other data transfer technology is required for a predictive maintenance approach. Using the data available on an asset's condition, the system can make maintenance suggestions, for example when the next maintenance is due. It can also align resources, such as manpower required from service providers or the availability of spare parts.
- **Integration:** at the core of SAP Asset Intelligence Network is the SAP BTP with IoT application services. This means that maintenance data for an asset can be transferred directly from the asset to SAP Asset Intelligence Network and then shared with SAP Asset Intelligence Network stakeholders.

Key Features

The following table explains the key features available:

Key Features	Use
Templates	<p>You use this feature to define template that helps you to define the attributes, attribute group, indicator, indicator groups, alert type, alert type groups, code lists, nested structures, causes, and effects. You use this to create template of the following types:</p> <ul style="list-style-type: none">• Model template• Equipment template• Spare parts template• Location template• System template• Functional location template <p>A template is a format created by the manufacturer to maintain metadata related information. It inherits a subclass template and has additional attribute groups and attributes. A template inherits the structure from a subclass template that is provided by SAP and is based on ISO/DIS standards such as 14224.</p>
Oil and Gas Industry Specific Templates	<p>You use this feature to use the well and well completion attributes and create templates and instances to orchestrate data across tenants and use them in standard functionalities.</p>
Models	<p>You use this feature to create a model and assign business entities such as instructions, documents, announcements, parts information of the model. A model is an abstract representation from the manufacturer that defines all maintenance and specification information related to a new or existing product. A physical equipment is an instance of a model.</p> <p>A model is based on a template and allows you to add values to the definitions used in the underlying template.</p>
Equipment	<p>You use this feature to create a piece of equipment based on an existing model, add additional information such as operator, equipment installation information, equipment location information, and assign documents relevant to the equipment.</p>

Key Features	Use
Locations	<p>You use this feature to create a location and assign it to your item of equipment. This assignment is made based on the functionality of the items of equipment.</p> <p>A functional location corresponds to a virtual record of the location where equipment is installed. This is based on a template and allows you to add values to the definitions used in the underlying template.</p>
Improvement Requests	<p>You use this feature when you want suggestions or solutions about a piece of equipment, its process, or maintenance.</p>
Groups	<p>You use this feature to group together different business objects for multiple purposes.</p> <p>In addition, you can view the assessment score details of groups.</p>
Spare Parts	<p>You use this feature to perform various operations on a spare part such as creating spare parts, viewing spare parts, and deleting spare parts.</p> <p>Spare parts are components that are kept in your inventory as spare. Typically, these components are not fitted to your item of equipment, but can be if and when required.</p> <p>If these spare parts are fitted to the physical item of equipment, you can assign these spare parts to the corresponding model on the network.</p>
Failure Modes	<p>You use this feature to view the probable failure that could occur to piece of equipment or a model. A total of five objects can be assigned.</p> <p>The failure mode keeps the operator informed about possible failures and helps them to handle the failure modes efficiently.</p>
Announcements	<p>You use this feature to perform various operations on an announcement such as creating an announcement, viewing an announcement, updating an announcement, deleting an announcement, and assigning documents, models, items of equipment and locations (of type Availability) to an announcement.</p> <p>An announcement is the information that a manufacturer communicates to all their equipment owners or operators. For example: an existing instruction has been updated, or spare parts of an item of equipment have been updated.</p>

Key Features	Use
Instructions	<p>You use this feature to set up steps that help the user to carry out a specific task. The manufacturer shares the instructions with the operator. The instructions help the operator to maintain the equipment better.</p>
Systems	<p>You use this feature to model systems and subsystems. It contains models, equipment, and location details.</p> <p>Systems are objects that help the operators to create hierarchies in addition to a functional location hierarchy. You can also view the associated topology diagram and relevant connections can be made using the APIs.</p>
Authorizations	<p>You can use this feature to get and overview of the authorization items and manage object authorizations to define who can maintain which data on which level.</p> <p>You can create authorization groups and can authorize business partners to read, write, or delete data per object type level.</p>
Business Partners	<p>You can use this feature to interact and work with business partners. You can:</p> <ul style="list-style-type: none"> • View the list of connected business partners • Send a connection request to a business partner • View and accept connection requests from business partners • View connection requests sent to business partners
Company Profile	<p>You can use this feature to get an overview of the company profile. As an organization administrator, you can view and edit your organization details, add different locations of your organization and maintain contact person for a location, and add subsidiaries and maintain industry IDs for your organization.</p>
Requests	<p>You can use this feature to get a recommendation on a model or equipment from the relevant stakeholders. You can create a model or equipment request and involve the relevant stakeholder who can collaborate and provide you with a model or equipment recommendation.</p>
Smart Matcher	<p>You can use this feature to efficiently match equipment (with no models assigned) to models based on an automatically calculated match factor.</p>

Key Features

Use

Documents

You can use this feature to upload documents in various languages or provide a link to an external document. You can upload documents of a size greater than 10MB. To do this, you must make configuration settings in the Application Settings.

You can also set the confidentiality and data sensitivity status for the documents.

Application Settings

Application Settings is a new application that contains the following functions:

- Manage user information and upload of invitee user information for premium account holders and provision of access privileges.
 - Integration of SAP Asset Intelligence Network into other systems (for example: C4S, SAP ERP)
 - In order to support external object ID mapping, you are provided with a capability to add custom object type.
 - Under the *General Application Settings*, you can:
 - Set the size limit for document uploads.
 - Configure the prefix for the object ID of your organization.
 - Configure incoming improvement cases from business partners.
 - Choose the business partners who can send you equipment or model requests.
 - Maintain customer-specific list of object types.
 - Configure organizational settings like user level authorizations, define retention period for deleted users and off-boarded objects, enable automatic sharing, and so on.
 - Define the automatic email domains for users.
 - Define bar code configurations to support the RFID feature.
 - Define *Personal Dashboard* app as the entry point for your invitee accounts.
 - Maintain the default configuration settings for the equipment, model, and system object page.
 - Maintain default header status for all your equipment.
 - Creation of **Extensions** for the Models or Equipment application that suit-specific business needs.
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Key Features	Use
Lookup	<p>You can use this feature to quickly access a search function for equipment or error codes for equipment or for a model.</p> <p>You can also scan a bar code to search for equipment.</p>
Obsolescence Management	<p>You can use this feature to view important dates for equipment or a model, such as service expiry, order stop date, or calibration date.</p>
Functions	<p>You use this feature to define specifications on how the assigned objects are intended to operate. You can assign equipment, models, locations, or systems to a function. You can also assign documents to the function.</p>
Offline Analytics Dashboards	<p>Analyze your data coming from SAP Analytics Cloud stories in SAP Asset Intelligence Network by using analytics dashboards.</p> <div data-bbox="804 909 1398 1066" style="background-color: #f0f0f0; padding: 10px;"> <p>i Note</p> <p>This feature is only available with SAP Cloud Platform - Cloud Foundry environment.</p> </div>
Equipment Search	<p>Search for equipment using header field. You can also filter based on equipment header fields and attribute values. You can create new equipment, publish</p> <div data-bbox="804 1189 1398 1346" style="background-color: #f0f0f0; padding: 10px;"> <p>i Note</p> <p>This feature is only available with SAP Cloud Platform - Cloud Foundry environment.</p> </div>
Mass API Dashboard	<p>Track the status of the mass API requests. You can view the list of all Mass or Composite APIs along with their individual status. In addition, the request & response headers can also be viewed for each individual API call made.</p> <div data-bbox="804 1503 1398 1659" style="background-color: #f0f0f0; padding: 10px;"> <p>i Note</p> <p>This feature is only available with SAP Intelligent Asset Management Fiori launchpad.</p> </div>
Manage Workflows	<p>App that offers state-of-the-art process automation capabilities. The SAP BTP Workflow has been configured for asset central foundation SAP Fiori launchpad.</p>



Key Features	Use
Functional Locations	<p>A functional location represents the area at which a piece of equipment can be installed and you can perform maintenance tasks. It can be structured according to functional, process-related, or spatial criteria.</p> <p>You can use this app to maintain functional location information for a piece of equipment and systems.</p>
Work Orders	<p>An order which specifies a task to be carried out on the equipment.</p> <p>The work order list page contains a list of the work orders that you have selected using the filter criteria.</p>
Notifications	<p>Notifications related to an equipment.</p> <p>You can use this app to create and share notifications for equipment with the relevant operators and also view the list of notifications shared with you.</p>
AML Configurations and Manage AML	<p>You can use these apps to import an Automation Markup Language (AutomationML or AML) file containing model information into SAP Asset Intelligence Network.</p>

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