Meridium APM Oracle Interfaces

3.6.1.4.0

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About This Document

This file is provided so that you can easily print this section of the Meridium APM Help system.

You should, however, use the Help system instead of a printed document. This is because the Help system provides hyperlinks that will assist you in easily locating the related instructions that you need. Such links are not available in a print document format.

The Meridium APM Help system can be accessed within Meridium APM itself or via the Meridium APM Documentation Website (https://www.meridium.com/documentation/WebHelp/WebHelpMaster.htm).

Note: If you do not have access to the Meridium APM Documentation Website, contact Meridium Global Support Services.

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Overview of the Oracle E-Business Suite™ eAM Interfaces

The *Oracle E-Business Suite eAM Interfaces* (Oracle EBS eAM Interfaces) feature allows you to transfer data between your Oracle EBS eAM system and your Meridium APM system. The Oracle EBS eAM Interfaces feature includes the following interfaces:

- **Work Request Creation Interface:** Allows you to create and update Work Requests in your Oracle EBS eAM system using values in Recommendation records in your Meridium APM system.
- **Equipment Extraction Interface:** Allows you to extract data about equipment from your Oracle EBS eAM system and import them into your Meridium APM system as Equipment records.
- **Functional Location Extraction Interface:** Allows you to extract data about locations from your Oracle EBS eAM system and import them into your Meridium APM system as Functional Location records.
- **Work History Extraction Interface:** Allows you to extract Work Orders from your Oracle EBS eAM system and import them into your Meridium APM system as Work History records.
- **Work History Detail Extraction Interface:** Allows you to extract Work Order failure information from your Oracle EBS eAM system and import it into your Meridium APM system as Work History Detail records.

Oracle EBS eAM Interfaces System Requirements

The *Oracle EBS eAM Interfaces* feature allows you to integrate Meridium APM with your Oracle EBS eAM system. You can use either of the following approaches to connect to the Oracle EBS eAM Database Server:

- **Oracle SOA Gateway approach:** Allows the Meridium APM Application Server to connect to the Oracle EBS eAM Database Server through the Oracle web services, which reside on the Oracle EBS eAM Application Server.
- **Oracle DB Direct approach:** Allows the Meridium APM Application Server to connect directly to the Oracle EBS eAM Database Server.

Both approaches provide the same end-user functionality and only differ by the technical integration approach. The choice to use the Oracle SOA Gateway or the Oracle DB Direct approach is ultimately determined by your environment and standards. We recommend that you use the Oracle SOA Gateway approach if you:

- Have the SOA Gateway configured.
- Use Web Services as a corporate standard for data integration.
- Have firewalls between the Meridium APM Application Server and the Oracle EBS eAM Database Server that must block non-HTTP traffic.

You should use the Oracle DB Direct approach, however, if none of the preceding criteria applies to your deployment situation.

The *Oracle EBS eAM Interfaces* license is required to take advantage of Oracle EBS eAM Interfaces functionality. In addition, your system must contain the basic Meridium APM system architecture and the following additional components:

- **Oracle EBS eAM Application Server:** An Oracle EBS eAM Application Server machine that is running version 12.1.1 or 12.1.2.
- **Oracle EBS eAM Database Server:** A database that houses the Oracle EBS eAM data model and data and is running a version that is supported by the Oracle EBS eAM Application Server. For details on requirements of the Oracle EBS eAM Database Server, see the Oracle EBS eAM documentation.

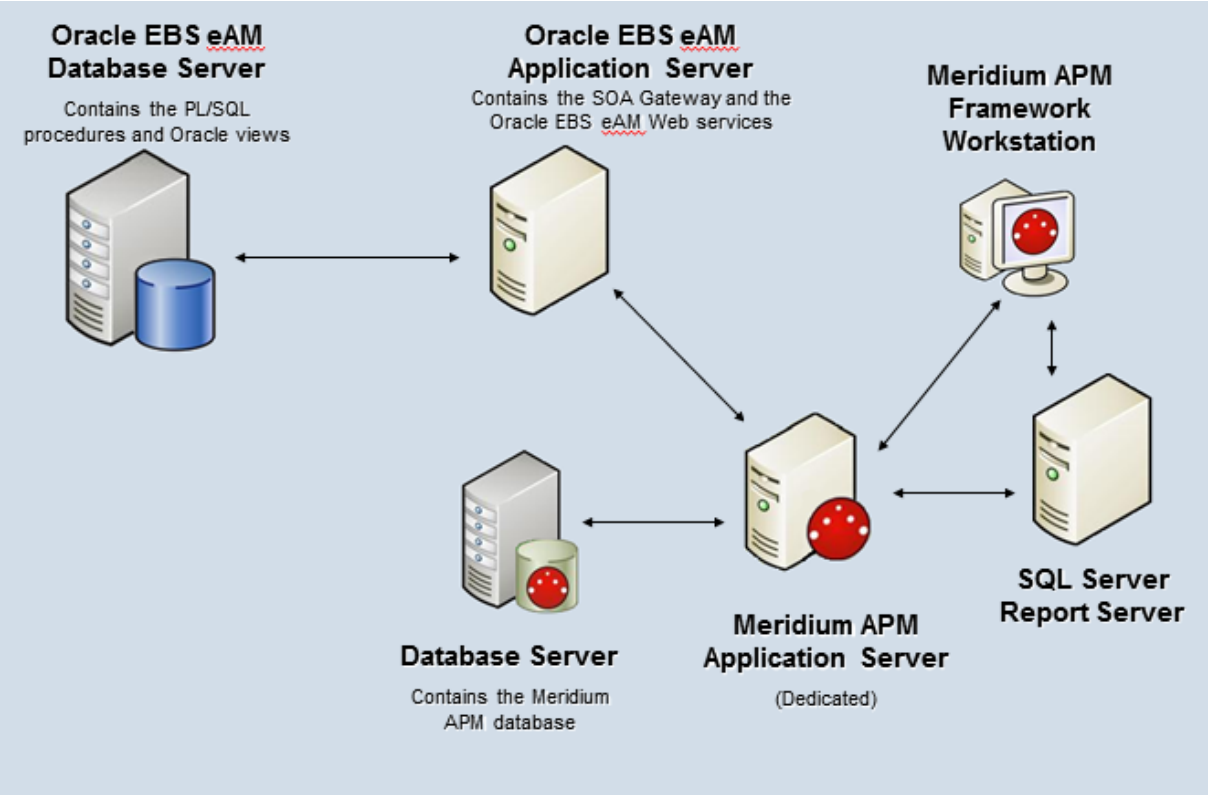
Note that if you want to use the Oracle DB Direct approach versus the Oracle SOA Gateway approach when connecting with the Oracle EBS eAM database, the Meridium APM Application Server *must* contain ODP.NET 11.2.0.1.2.

Note: If you are using an Oracle Meridium APM database, your Meridium APM Application Server should already contain this component. If you are using a SQL Server Meridium APM database, you will not have installed this component as part of the Meridium APM Application Server deployment procedure.

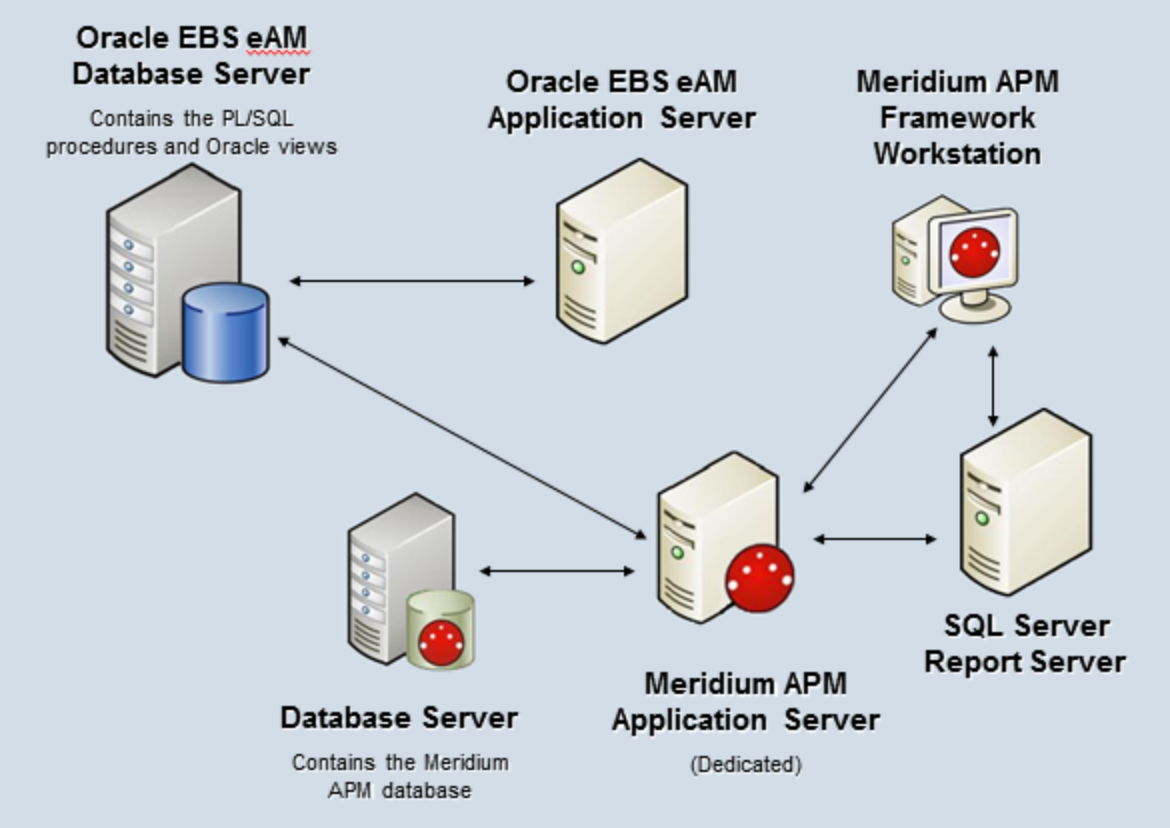
After you have installed an configured the basic Meridium APM application, you will need to perform some configuration steps specifically for the Oracle EBS eAM Interfaces.

The following images show how the additional machines should be incorporated into the basic Meridium APM system architecture to support the Oracle EBS eAM Interfaces.

Oracle SOA Gateway



Oracle DB Direct

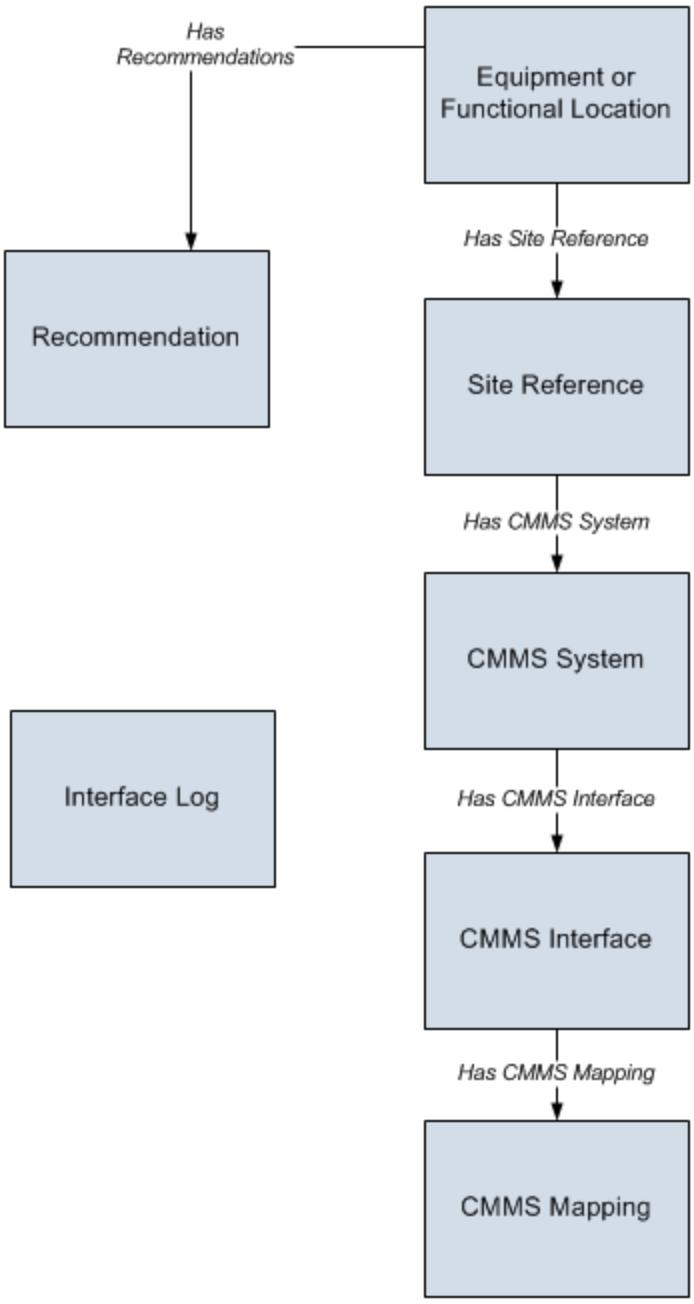

Oracle EBS eAM
Database Server
Contains the PL/SQL procedures and Oracle views
Oracle EBS eAM
Application Server
Meridium APM
Framework
Workstation
SQL Server
Report Server
Database Server
Contains the Meridium APM database
Meridium APM
Application Server
(Dedicated)

Oracle EBS eAM Interfaces Data Model

Like all Meridium APM modules, the Meridium APM Oracle EBS eAM Interfaces feature consists of entity families, relationship families, and business rules. When attempting to understand and make use of the Meridium Oracle EBS eAM Interfaces functionality, it can be helpful to visualize the Oracle EBS eAM Interfaces data model.

Because you should already be familiar with the concept of records and viewing records in the Meridium APM Record Manager, as you attempt to get your bearings in the Oracle EBS eAM Interfaces, it may be useful to remember that the Oracle EBS eAM Interfaces simply offers functionality that allows you to create and view records.

The following image illustrates how families used by the Oracle EBS eAM Interfaces feature are related to one another. In the following image, boxes represent entity families, and arrows represent relationship families that are configured in the baseline database.



In order to use the Work Request Creation Interface, your database must contain records that represent the equipment and locations for which you want to track recommendations. Before you create Work Requests in the Oracle EBS eAM system, you will need to determine the equipment and locations for which you want to manage recommendations. Then, you will need to link each Equipment or Functional Location record representing those equipment and locations to one or more Recommendation records, which define the recommended actions that should be performed on that equipment or location. An Oracle EBS eAM Work Request can then be created for each of those Recommendation records.

In addition, you can link each Equipment or Functional Location to a Site Reference record, which identifies the site to which that equipment or location belongs.

About CMMS System Records

CMMS System records are used to store identifying information about your Oracle EBS eAM system. The baseline Meridium APM database includes a CMMS System record that you can use as a starting point for identifying your Oracle EBS eAM system.

If you have more than one Oracle EBS eAM system, you will need to create additional CMMS System records to identify each system. You can use the Default field to indicate which system you want to use by default.

Each CMMS Interface record is linked to:

- One predecessor Site Reference record, which identifies the site that uses that Oracle EBS eAM system.
- One or more successor CMMS Interface records, which identify the interfaces that will be used to connect to this system.

Note: Data can be transferred to and from an Oracle EBS eAM system only if the CMMS System record is linked to the appropriate CMMS Interface record(s) and the **Enabled** check box on the CMMS System datasheet is selected.

If you delete a CMMS System record, all CMMS Interface records to which it is linked will also be deleted. In addition, any CMMS Mapping records that were linked to the deleted CMMS Interface records will also be deleted if they are not linked to other CMMS Interface records.

About CMMS Interface Records

Each interface that is included in the Oracle EBS eAM Interfaces is represented by a *CMMS Interface* record. CMMS Interface records are used to identify two main items:

- How the Meridium APM system will communicate with the Oracle EBS eAM system.
- Which interface the record supports, which indicates the type of Oracle EBS eAM data that will be created or extracted.

The Meridium APM database contains the following baseline CMMS Interface records that support the baseline interfaces:

- Equipment Extraction (EE)
- Functional Location Extraction (FLE)
- Work History (WH)
- Work History Detail (WHD)
- Work Request (WR)

You must *modify* the baseline CMMS Interface records to supply the appropriate connection information. In addition, if your system architecture includes more than one Oracle EBS eAM system, for each separate Oracle EBS eAM system, you will need to create the appropriate CMMS Interface records and link them to the CMMS System record that defines that Oracle EBS eAM system.

Each CMMS Interface record is linked to:

- Once predecessor CMMS System record, which identifies the Oracle EBS eAM system that should be used when this interface is invoked.
- Multiple successor CMMS Mapping records, which identify how data will be mapped using this interface.

About CMMS Mapping Records

CMMS Mapping records are used to identify how values will be mapped and which values will be mapped between the Meridium APM system and the Oracle EBS eAM system. Each CMMS Mapping record is linked to one predecessor CMMS Interface record that identifies the interface that uses that mapping.

The baseline Meridium APM database contains multiple CMMS Mapping records, which are linked to the baseline CMMS Interface record that is used by the Oracle EBS eAM Interfaces.

You can accept the values in the baseline CMMS Mapping records, or you can modify them if you want to map the data differently.

About Interface Log Records

Each time an interface is run, an *Interface Log* record is created automatically to store information about the process, such as the status of the process (e.g., Completed with warnings), the date the interface was run, and the parameters that were used to run the interface.

If the value in an Interface Log record is *Completed with Warnings* or *Completed with Errors*, a Super User or a member of the MI CMMS Interfaces Administrator Security Group can review the warnings or errors and then change the status to *Completed with Warnings (Cleared)* or *Completed with Errors (Cleared)*.

Oracle SOA Gateway Customers

Deploying and configuring Oracle EBS eAM Interfaces (if you are using the Oracle SOA Gateway approach) for the first time includes completing multiple steps, which are outlined in the table in this topic. The steps in this section of the documentation provide all the information that you need to deploy and configure Oracle EBS eAM Interfaces on top of the basic Meridium APM system architecture.

Whether a step is required or optional is indicated in the **Required/Optional** cell. Steps are marked as *Required* if you must perform the step to take advantage of Oracle EBS eAM Interfaces functionality.

The person responsible for completing each task may vary with your organization. We recommend, however, that the steps be performed in relatively the same order in which they are listed in the table.

Step	Task	Required/Optional
1	Ensure that the Oracle EBS eAM system requirements have been met.	Required
2	Configure the Meridium APM Application Server for use with Oracle EBS eAM Interfaces. This step includes the following tasks: • Configure the TNS_ADMIN Environment Variable • Create and Oracle Net Service Name If you use an Oracle database provider, you may have already completed these steps when you configured the Application Server for use with an Oracle database. If you use SQL Server as your database provider, however, you will need to complete these steps.	Required
3	Identify which Oracle EBS eAM assets are equipment and which ones are locations on the Oracle EBS eAM Application Server.	Required
4	Create the Oracle database views on the Oracle EBS eAM Database Server.	Required
5	Create the PL/SQL packages and package bodies on the Oracle EBS eAM Database Server.	Required
6	Generate the Oracle EBS eAM Web services on the Oracle EBS eAM Application Server.	Required
7	Configure the Oracle EBS eAM Web services on the Oracle EBS eAM Application Server.	Required

Step	Task	Required/Optional
8	Modify the WSDL files on the Oracle EBS eAM Application Server.	Required
9	Assign the desired Security Users to the Oracle EBS eAM Interfaces Security Groups via the Configuration Manager application.	Required
10	Modify the baseline CMMS System record to define your default Oracle EBS eAM system.	Required
11	Review the values in the baseline CMMS Interface records, and modify any values as necessary.	Optional
12	Review the values in the baseline CMMS Mapping records, and modify any values as necessary.	Optional
13	In each CMMS Interface record representing an extraction interface, modify the value in the Connection String field so that it contains valid connection information.	Required
14	Create a scheduled item in the Schedule Manager application that will cause the Meridium APM system to extract the items from the Oracle eAM system on a pre-defined schedule.	Required only for the extraction interfaces.

Oracle DB Direct Customers

Deploying and configuring Oracle EBS eAM Interfaces (if you are using the Oracle DB Direct approach) for the first time includes completing multiple steps, which are outlined in the table in this topic. The steps in this section of the documentation provide all the information that you need to deploy and configure Oracle EBS eAM Interfaces on top of the basic Meridium APM system architecture.

Whether a step is required or optional is indicated in the **Required/Optional** cell. Steps are marked as *Required* if you must perform the step to take advantage of Oracle EBS eAM Interfaces functionality.

The person responsible for completing each task may vary within your organization. We recommend, however, that the steps be performed in relatively the same order in which they are listed in the table.

Step	Task	Required/Optional
1	Ensure that the Oracle EBS eAM system requirements have been met.	Required
2	Configure the Meridium APM Application Server for use with Oracle EBS eAM Interfaces. This step includes the following tasks: • • Create and Oracle Net Service Name If you use an Oracle database provider, you may have already completed these steps when you configured the Application Server for use with an Oracle database. If you use SQL Server as your database provider, however, you will need to complete these steps.	Required
3	Identify which Oracle EBS eAM assets are equipment and which ones are locations on the Oracle EBS eAM Application Server.	Required
4	Create the Oracle database views on the Oracle EBS eAM Database Server.	Required
5	Create the PL/SQL packages and package bodies on the Oracle EBS eAM Database Server.	Required
6	Assign the desired Security Users to the Oracle EBS eAM Interfaces Security Groups via the Configuration Manager application.	Required
7	Modify the baseline CMMS System record to define your default Oracle EBS eAM system.	Required

Step	Task	Required/Optional
8	Review the values in the baseline CMMS Interface records, and modify any values as necessary.	Optional
9	Review the values in the baseline CMMS Mapping records, and modify any values as necessary.	Optional
10	In each CMMS Interface record representing an extraction interface, modify the value in the Connection String field so that it contains valid connection information.	Required
11	Create and link a *new* CMMS Mapping record to each CMMS Interface record representing an extraction interface. In the new CMMS Mapping records, type the following values: • **Approach:** CONST • **Element Type:** MERIDIUM • **Element Field:** ORACLE_EAM_USE_DB_DIRECT • **Constant:** TRUE	Required
12	Create a scheduled item in the Schedule Manager application that will cause the Meridium APM system to extract the items from the Oracle eAM system on a pre-defined schedule.	Required only for extraction interfaces.

Upgrade or Update Oracle SOA Gateway Customers to 3.6.1.4.0

The following tables list the steps that are required to update or upgrade the Oracle EBS eAM Interfaces to 3.6.1.4.0 (if you are using the Oracle SOA Gateway approach). These steps assume that you have completed the steps for upgrading the components in the basic Meridium APM system architecture.

Update from any version V3.6.1.0.0 through V3.6.1.3.0

This module will be updated to 3.6.1.4.0 automatically when you update the components in the basic Meridium APM system architecture. No additional steps are required.

Upgrade from any version V3.6.0.0.0 through V3.6.0.12.6

The Oracle EBS eAM Interfaces (Oracle SOA Gateway) will be upgraded to 3.6.1.4.0 automatically when you upgrade the components in the basic Meridium APM architecture. No additional steps are required.

Upgrade from any version V3.5.1.0.0 through V3.5.1.12.0

The Oracle EBS eAM Interfaces (Oracle SOA Gateway) will be upgraded to 3.6.1.4.0 automatically when you upgrade the components in the basic Meridium APM architecture. No additional steps are required.

Upgrade from any version V3.5.0 SP1 LP through V3.5.0.1.10.0

Step	Task	Required/Optional
1	Identify which Oracle EBS eAM assets are equipment and which ones are locations on the Oracle EBS eAM Application Server.	Required
2	Create the Oracle database views on the Oracle EBS eAM Database Server.	Required
3	Create the PL/SQL packages and package bodies on the Oracle EBS eAM Database Server.	Required
4	Generate the Oracle EBS eAM Web services on the Oracle EBS eAM Application Server.	Required
5	Configure the Oracle EBS eAM Web services on the Oracle EBS eAM Application Server.	Required

Step	Task	Required/Optional
6	Modify the WSDL files on the Oracle EBS eAM Application Server.	Required
7	If you have changed your default Oracle EBS eAM system since you upgraded, modify the baseline CMMS System record to define the new default Oracle EBS eAM system.	Required
8	Review the values in the baseline CMMS Interface records, and modify any values as necessary.	Optional
9	Review the values in the baseline CMMS Mapping records, and modify any values as necessary.	Optional

Upgrade from any version V3.5.0 through V3.5.0.0.7.1

Step	Task	Required/Optional
1	Identify which Oracle EBS eAM assets are equipment and which ones are locations on the Oracle EBS eAM Application Server.	Required
2	Create the Oracle database views on the Oracle EBS eAM Database Server.	Required
3	Create the PL/SQL packages and package bodies on the Oracle EBS eAM Database Server.	Required
4	Generate the Oracle EBS eAM Web services on the Oracle EBS eAM Application Server.	Required
5	Configure the Oracle EBS eAM Web services on the Oracle EBS eAM Application Server.	Required
6	Modify the WSDL files on the Oracle EBS eAM Application Server.	Required
7	If you have changed your default Oracle EBS eAM system since you upgraded, modify the baseline CMMS System record to define the new default Oracle EBS eAM system.	Required
8	Review the values in the baseline CMMS Interface records, and modify any values as necessary.	Optional

Step	Task	Required/Optional
9	Review the values in the baseline CMMS Mapping records, and modify any values as necessary.	Optional

Upgrade from any version V3.4.5 through V3.4.5.0.1.4

Step	Task	Required/Optional
1	Identify which Oracle EBS eAM assets are equipment and which ones are locations on the Oracle EBS eAM Application Server.	Required
2	Create the Oracle database views on the Oracle EBS eAM Database Server.	Required
3	Create the PL/SQL packages and package bodies on the Oracle EBS eAM Database Server.	Required
4	Generate the Oracle EBS eAM Web services on the Oracle EBS eAM Application Server.	Required
5	Configure the Oracle EBS eAM Web services on the Oracle EBS eAM Application Server.	Required
6	Modify the WSDL files on the Oracle EBS eAM Application Server.	Required
7	If you have changed your default Oracle EBS eAM system since you upgraded, modify the baseline CMMS System record to define the new default Oracle EBS eAM system.	Required
8	Review the values in the baseline CMMS Interface records, and modify any values as necessary.	Optional
9	Review the values in the baseline CMMS Mapping records, and modify any values as necessary.	Optional

Upgrade or Update Oracle DB Direct Customers to 3.6.1.4.0

The following tables list the steps that are required to update or upgrade the Oracle EBS eAM Interfaces to 3.6.1.4.0 (if you are using the Oracle DB Direct approach). These steps assume that you have completed the steps for upgrading the components in the basic Meridium APM system architecture.

Update from any version V3.6.1.0.0 through V3.6.1.3.0

This module will be updated to 3.6.1.4.0 automatically when you update the components in the basic Meridium APM system architecture. No additional steps are required.

Upgrade from any version V3.6.0.0.0 through V3.6.0.12.6

Step	Task	Required/Optional?
1	Identify which Oracle EBS eAM assets are equipment and which ones are locations on the Oracle EBS eAM Application Server.	Required
2	Create the Oracle database views on the Oracle EBS eAM Database Server.	Required
3	Create the PL/SQL packages and package bodies on the Oracle EBS eAM Database Server.	Required
4	If you have changed your default Oracle EBS eAM system since you upgraded, modify the baseline CMMS System record to define your default Oracle EBS eAM system.	Required
5	Review the values in the baseline CMMS Interface records, and modify any values as necessary.	Optional
6	Review the values in the baseline CMMS Mapping records, and modify any values as necessary.	Optional

Upgrade from any version V3.5.1.0.0 through V3.5.1.12.0

Step	Task	Required/Optional?
1	Identify which Oracle EBS eAM assets are equipment and which ones are locations on the Oracle EBS eAM Application Server.	Required

Step	Task	Required/Optional?
2	Create the Oracle database views on the Oracle EBS eAM Database Server.	Required
3	Create the PL/SQL packages and package bodies on the Oracle EBS eAM Database Server.	Required
4	If you have changed your default Oracle EBS eAM system since you upgraded, modify the baseline CMMS System record to define your default Oracle EBS eAM system.	Required
5	Review the values in the baseline CMMS Interface records, and modify any values as necessary.	Optional
6	Review the values in the baseline CMMS Mapping records, and modify any values as necessary.	Optional

Upgrade from any version V3.5.0 SP1 LP through V3.5.0.1.10.0

Step	Task	Required/Optional?
1	Identify which Oracle EBS eAM assets are equipment and which ones are locations on the Oracle EBS eAM Application Server.	Required
2	Create the Oracle database views on the Oracle EBS eAM Database Server.	Required
3	Create the PL/SQL packages and package bodies on the Oracle EBS eAM Database Server.	Required
4	If you have changed your default Oracle EBS eAM system since you upgraded, modify the baseline CMMS System record to define your default Oracle EBS eAM system.	Required
5	Review the values in the baseline CMMS Interface records, and modify any values as necessary.	Optional
6	Review the values in the baseline CMMS Mapping records, and modify any values as necessary.	Optional

Upgrade from any version V3.5.0 through V3.5.0.0.7.1

Step	Task	Required/Optional?
1	Identify which Oracle EBS eAM assets are equipment and which ones are locations on the Oracle EBS eAM Application Server.	Required
2	Create the Oracle database views on the Oracle EBS eAM Database Server.	Required
3	Create the PL/SQL packages and package bodies on the Oracle EBS eAM Database Server.	Required
4	If you have changed your default Oracle EBS eAM system since you upgraded, modify the baseline CMMS System record to define your default Oracle EBS eAM system.	Required
5	Review the values in the baseline CMMS Interface records, and modify any values as necessary.	Optional
6	Review the values in the baseline CMMS Mapping records, and modify any values as necessary.	Optional

Upgrade from any version V3.4.5 through V3.4.5.0.1.4

Step	Task	Required/Optional?
1	Identify which Oracle EBS eAM assets are equipment and which ones are locations on the Oracle EBS eAM Application Server.	Required
2	Create the Oracle database views on the Oracle EBS eAM Database Server.	Required
3	Create the PL/SQL packages and package bodies on the Oracle EBS eAM Database Server.	Required
4	If you have changed your default Oracle EBS eAM system since you upgraded, modify the baseline CMMS System record to define your default Oracle EBS eAM system.	Required
5	Review the values in the baseline CMMS Interface records, and modify any values as necessary.	Optional
6	Review the values in the baseline CMMS Mapping records, and modify any values as necessary.	Optional

Identifying Oracle EBS eAM Equipment and Locations

In the Oracle EBS eAM system, certain characteristics of an asset identify it as either a piece of equipment or a location. When Meridium APM users run the Equipment Extraction Interface and the Functional Location Extraction Interface, assets are extracted from the Oracle EBS eAM system and used to create either Equipment records or Functional Location records in the Meridium APM system. For the extraction process to work correctly and create records in the appropriate family, you will need to identify which asset characteristics should be used to create Equipment records and which ones should be used to create Functional Location records. The following instructions explain how to do this.

To identify which asset characteristics in the Oracle EBS eAM system should be used to create Equipment records and Functional Location records:

1. On the Oracle EBS eAM Application Server, insert the Oracle EBS eAM Interfaces installation DVD.
2. Copy the contents of the DVD to a local drive.

   Note: You can copy the contents of the DVD to any folder of your choice, provided that you are using a local drive. For the purposes of these instructions, we assume that you have copied the contents to the folder **C:\Meridium APM Interfaces**.
3. Navigate to the folder **C:\Meridium APM Interfaces\Equipment Extraction Interface**, and open the file **MI_EQUIPMENT_EXT_V - Materialized.txt**.
4. Scroll to the bottom of the file, and locate the following lines of text:

   and MSI_PARENT.DESCRIPTION NOT IN ('Location')

   WHERE A.ASSET_GROUP_DESCRIPTION NOT IN ('Location')
5. Replace the text **Location** with the Asset Group Description value that identifies locations in your Oracle EBS eAM system.
6. Save and close the file.
7. Navigate to the folder **C:\Meridium APM Interfaces\Functional Location Extraction Interface**, and open the file **MI_LOCATIONS_EXT_V - Materialized.txt**.
8. Scroll to the bottom of the file, and locate the following lines of text:

   and MSI_PARENT.DESCRIPTION IN ('Location')

   WHERE A.ASSET_GROUP_DESCRIPTION IN ('Location')

9. Replace the text **Location** with the Asset Group Description value that identifies locations in your Oracle EBS eAM system.
10. Save and close the file.
11. Navigate to the folder **C:\Meridium APM Interfaces\Work History Extraction Interface**, and open the file **MI_WRK_HIST_EXT_V - Materialized.txt**.
12. Replace all instances of **Location** with the Asset Group Description value that identifies locations in your Oracle EBS eAM system.
13. Save and close the file.

Creating Oracle Views

To deploy the Oracle EBS eAM Interfaces, after you identify which asset characteristics define equipment and which ones define locations in your Oracle EBS eAM system, you will need to create Oracle views using the following files:

- MI_EQUIPMENT_EXT_V - Materialized.txt
- MI_LOCATIONS_EXT_V - Materialized.txt
- MI_WRK_HSTDL_EXT_V - Materialized.txt
- MI_WRK_HIST_EXT_V - Materialized.txt

These files are provided on the Oracle EBS eAM Interfaces installation DVD. As part of the process for identifying Oracle EBS eAM equipment and functional locations, you should have already copied the contents of the installation DVD to the local folder C:\Meridium APM Interfaces. Assuming that you have done so, the text files you will need for creating the views will be located in the following folders.

File	Folder
MI_EQUIPMENT_EXT_V - Materialized.txt	C:\Meridium APM Interfaces\Equipment Extraction Interface
MI_LOCATIONS_EXT_V - Materialized.txt	C:\Meridium APM Interfaces\Functional Location Extraction Interface
MI_WRK_HSTDL_EXT_V - Materialized.txt	C:\Meridium APM Interfaces\Work History Details Extraction Interface
MI_WRK_HIST_EXT_V - Materialized.txt	C:\Meridium APM Interfaces\Work History Extraction Interface

Via SQL*Plus, you can use these text files to create the Oracle views that are required for the Oracle EBS eAM Interfaces to function correctly. Specific instructions for creating views, however, exceed the scope of the Meridium APM documentation. For detailed instructions on creating views, consult your Oracle documentation.

Creating PL/SQL Packages and Package Bodies

To deploy the Oracle EBS eAM Interfaces, after you create the Oracle views, you will need to create PL/SQL packages and package bodies using the following files:

- MI_EQUIPMENT_EXT_PKG.pls
- MI_EQUIPMENT_EXT_PKG_BODY.pls
- MI_LOCATIONS_EXT_PKG.pls
- MI_LOCATIONS_EXT_PKG_BODY.pls
- MI_WRK_HSTDL_EXT_PKG.pls
- MI_WRK_HSTDL_EXT_PKG_BODY.pls
- MI_WRK_HIST_EXT_PKG.pls
- MI_WRK_HIST_EXT_PKG_BODY.pls
- MI_WORKREQUEST.pls
- MI_WORKREQUEST_BODY.pls

These files are provided on the Oracle EBS eAM Interfaces installation DVD. As part of the process for identifying Oracle EBS eAM equipment and functional locations, you should have already copied the contents of the installation DVD to the local folder C:\Meridium APM Interfaces. Assuming that you have done so, the text files you will need for creating the views will be located in the following folders.

File	Folder
MI_EQUIPMENT_EXT_PKG.pls MI_EQUIPMENT_EXT_PKG_BODY.pls	C:\Meridium APM Interfaces\Equipment Extraction Interface
MI_LOCATIONS_EXT_PKG.pls MI_LOCATIONS_EXT_PKG_BODY.pls	C:\Meridium APM Interfaces\Functional Location Extraction Interface
MI_WRK_HSTDL_EXT_PKG.pls MI_WRK_HSTDL_EXT_PKG_BODY.pls	C:\Meridium APM Interfaces\Work History Details Extraction Interface
MI_WRK_HIST_EXT_PKG.pls MI_WRK_HIST_EXT_PKG_BODY.pls	C:\Meridium APM Interfaces\Work History Extraction Interface

File	Folder
MI_WORKREQUEST.pls MI_WORKREQUEST_ BODY.pls	C:\Meridium APM Interfaces\Work Request Creation Interface

Via SQL*Plus, you can use these text files to create the PL/SQL packages and package bodies that are required for the Oracle EBS eAM Interfaces to function correctly. Specific instructions for creating PL/SQL packages and package bodies, however, exceed the scope of the Meridium APM documentation. For detailed instructions on creating PL/SQL packages and package bodies, consult your Oracle documentation.

Generating the Oracle EBS eAM Web Services

Note: The following instructions assume that you have already copied the contents of the Oracle EBS eAM Interfaces DVD to the folder **C:\Meridium APM Interfaces** on the Oracle EBS eAM Application Server.

You will need to complete the following steps only if you are using the Oracle SOA Gateway approach to connect to the Oracle EBS eAM database. You do not need to complete the following steps if you are using the Oracle DB Direct approach.

To generate the Oracle EBS eAM web services:

1. On the Oracle EBS eAM Application Server, navigate to the folder **C:\Meridium APM Interfaces\Equipment Extraction Interface**.
2. Open the file **MI_EQUIPMENT_EXT_PKG Web Service.txt**.
3. Copy the first line of text:

   CD C:\oracle\VIS\apps\tech_st\10.1.3\perl\5.8.3\bin

   Note: Do not close the text file.
4. On the Oracle EBS eAM Application Server, navigate to the folder **C:\oracle\VIS\apps\apps_st\appl**.
5. Right click the file **envshellVIS_<Server Name>.cmd**, where **<Server Name>** is the name of the Oracle EBS eAM Application Server, and click **Create Shortcut**.
6. Double-click the shortcut file that you created in the previous step.

   The **Command Prompt** window appears.
7. At the command prompt, paste the text that you copied from the text file.
8. Press **Enter**.

   The command runs.
9. Navigate back to the file **MI_EQUIPMENT_EXT_PKG Web Service.txt**.
10. Locate the second line of text, and in the file path, directly after the text **c:**, type: **`Meridium APM Interfaces\`**

    After you have done so, the full file path should look like this:

    c:\Meridium APM Interfaces\Equipment Extraction Interface\MI_EQUIPMENT_EXT_PKG.pls

    Note: If you have completed all the steps in these instructions and are now repeating them using a file *other than* the file MI_EQUIPMENT_EXT_PKG Web Service.txt, the file path that you see will be different. You can use the preceding

example file path as a general guideline for validating the structure of the file path that you see. The folder name (e.g., Equipment Extraction Interface) and file name (e.g., MI_EQUIPMENT_EXT_PKG.pls) will vary.

11. Copy the second line of text:

    perl %fnd_top%\bin\irep_parser.pl -g -v -username=sysadmin eam:patch/115/sql:MI_EQUIPMENT_EXT_PKG.pls:342.0="c:\Meridium APM Interfaces\Equipment Extraction Interfaces\MI_EQUIPMENT_EXT_PKG.pls"

12. Navigate back to the **Command Prompt** window.
13. At the command prompt, paste the text that you copied from the text file.
14. Press **Enter**.

    The command runs and creates an ILDT file in the folder **C:\oracle\VIS\apps\tech_st\10.1.3\perl\5.8.3\bin**.

15. Navigate back to the file **MI_EQUIPMENT_EXT_PKG Web Service.txt**.
16. Copy the third line of text:

    %fnd_top%/bin/fndload apps/apps@vis 0 Y UPLOAD %fnd_top%/patch/115/import/wfirep.lct MI_EQUIPMENT_EXT_PKG_pls.ildt

17. Navigate back to the **Command Prompt** window.
18. At the command prompt, paste the text that you copied from the text file.
19. Press **Enter**.

    The command runs and uploads the ILDT files to the Oracle EBS eAM system.

20. Repeat steps 10 through 19, using the following files in the following folders.

File	Folder
MI_LOCATIONS_EXT_PKG Web Service.txt	C:\Meridium APM Interfaces\Functional Location Extraction Interface
MI_WRK_HSTDL_EXT_PKG Web Service.txt	C:\Meridium APM Interfaces\Work History Details Extraction Interface
MI_WRK_HIST_EXT_PKG Web Service.txt	C:\Meridium APM Interfaces\Work History Extraction Interface

The Oracle EBS eAM web services are generated.

Configuring the Oracle EBS eAM Web Services

You will need to complete the following steps only if you are using the Oracle SOA Gateway approach to connect to the Oracle EBS eAM database. You do not need to complete the following steps if you are using the Oracle DB Direct approach.

To configure the Oracle EBS eAM web services:

1. On the Oracle EBS eAM Application Server, log into the Oracle EBS eAM system as a system administrator.

   The **Oracle Applications Home Page** appears.

2. In the list of folders on the left, click the **Integrated SAO Gateway** link.
3. In the middle pane, click the **Integration Repository** link.

   The **Oracle Integration Repository** screen appears.

4. Click the **Search** button on the top right side of the screen.

   A search form appears.

5. In the **Interface Name** text box, type: **`Meridium Interfaces`**
6. Click the **Go** button.

   The list of interfaces appears below the search criteria.

7. In the first row, which contains the Interface MI_EQUIPMENT_EXTRACTION, in the **Name** column, click the hyperlink.

   A new screen appears, containing details of the selected interface.

8. In the **Procedures and Functions** section, click the **Create Grant** button to create a Grant to manage user access to the selected interface. For more details on creating Grants, see the Oracle EBS eAM Help system.
9. At the top of the screen, click the **Generate WSDL** button to generate the web service. For more details on generating web services, see the Oracle EBS eAM Help system.
10. In the middle of the screen, click the **Deploy** button to deploy the web service. For more details on deploying web services, see the Oracle EBS eAM Help system.

    The Oracle EBS eAM web services are configured.

11. Restart the Oracle EBS eAM Application Server.

Modifying the WSDL Files

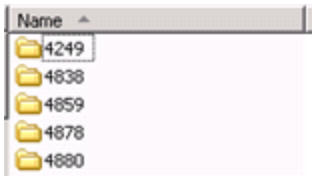
You will need to complete the following instructions only if:

- Your Oracle EBS eAM system is running version 12.1.2. You do not need to complete these instructions if your Oracle EBS eAM system is running version 12.1.1.
- You are using the Oracle SOA Gateway approach to connect to the Oracle EBS eAM database. You do not need to complete the following steps if you are using the Oracle DB Direct approach.

To modify the WSDL files:

1. On the Oracle EBS eAM system, navigate to the following location: **C:\oracle\VIS\inst\apps\VIS_oraebus2\soa\PLSQL**

   Several subfolders appear. The names of the subfolders will be different for each customer, so the following image shows an *example* of the subfolders that you will see.

   Each subfolder contains one of the following WSDL files, which you will need to modify:

- WORK_REQUEST_IMPORT.wsdl
- EXTRACT_EQUIPMENT.wsdl
- EXTRACT_LOCATIONS.wsdl
- EXTRACT_WRK_HIST.wsdl
- EXTRACT_WRK_HSTDL.wsdl

2. Within each folder, modify the appropriate WSDL file by completing the following steps:
   a. Open the file in Notepad.
   b. Delete the following text: **IRepOverloadSeq="1"**
   c. Save and close the file.

Oracle EBS eAM Interfaces Security Groups

Meridium APM provides the following baseline Security Groups for use with the Oracle EBS eAM Interfaces:

- MI CMMS Interface Administrator
- MI CMMS Interface User

The following table lists the family-level privileges that exist for these Security Groups.

Entity Families		
Family	**MI CMMS Interface Administrator**	**MI CMMS Interface User**
CMMS Interface	View, Update, Insert, Delete	View
CMMS Mapping	View, Update, Insert, Delete	View
CMMS System	View, Update, Insert, Delete	View
Equipment	View, Update, Insert, Delete	View
Functional Location	View, Update, Insert, Delete	View
Interface Log	View, Update, Insert, Delete	View
SAP System[1]	View, Update, Insert, Delete	View
Site Reference	View	View
Work History	View, Update, Insert, Delete	View, Update, Insert
Work History Detail	View, Update, Insert, Delete	View, Update, Insert
Relationship Families		
Family	**MI CMMS Interface Administrator**	**MI CMMS Interface User**
Equipment Has Equipment	View, Update, Insert, Delete	View, Update, Insert

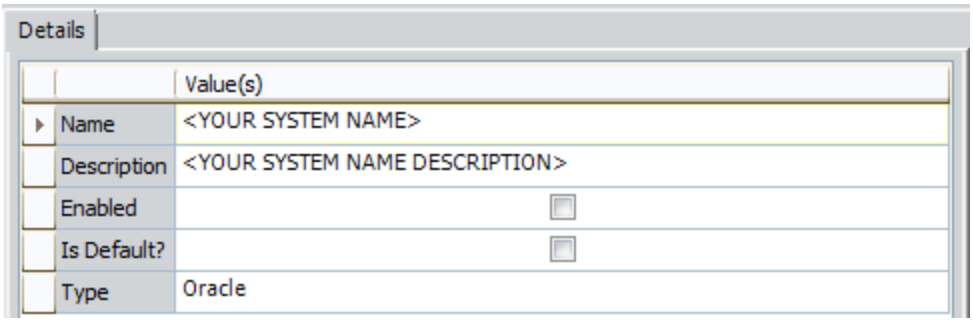
Entity Families		
Functional Location Has Equipment	View, Update, Insert, Delete	View, Update, Insert
Functional Location Has Functional Location(s)	View, Update, Insert, Delete	View, Update, Insert
Has CMMS Interface	View, Update, Insert, Delete	View
Has CMMS Mapping	View, Update, Insert, Delete	View
Has CMMS System	View, Update, Insert, Delete	View
Has Event Detail	View, Update, Insert, Delete	View, Update, Insert
Has SAP System[1]	View, Update, Insert, Delete	View
Has Work History	View, Update, Insert, Delete	View, Update, Insert

Modifying the Baseline CMMS System Record

To modify the baseline CMMS System record:

1. Using the Search Tool, perform a search on the CMMS System family.
2. From the search results, open the baseline CMMS System record with the Record ID **<YOUR SYSTEM NAME>**.

   The CMMS System record appears in the Record Manager.



3. In the **Name** cell, delete the text **<YOUR SYSTEM NAME>**, and type the name of your Oracle EBS eAM system.
4. In the **Description** cell, delete the text **<YOUR SYSTEM NAME DESCRIPTION>**, and type a description of your Oracle EBS eAM system.
5. Select the **Enabled** check box.
6. If you want this Oracle EBS eAM system to be used by default when data is transferred from Meridium APM to Oracle EBS eAM, select the **Default** check box.

   Note: Only *one* CMMS System record can be designated as the default record.

7. On the **Common Tasks** menu, click the **Save** link.

   The CMMS System record is saved.

Creating a Scheduled Item to Extract Items from Oracle EBS eAM

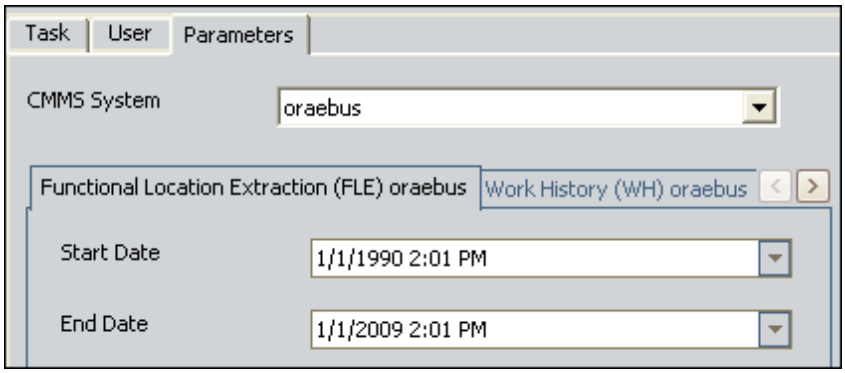
Using the Oracle EBS eAM Interfaces, you can extract the following items from your Oracle EBS eAM system into your Meridium APM system:

- Equipment
- Locations
- Work History
- Work History Details

To enable this functionality, an administrative user must create a scheduled item in the Schedule Managerthat will cause Meridium APM to extract the items on a pre-defined schedule.

Use the following guidelines for creating a scheduled item that will extract items from Oracle eAM:

- On the **Choose a Meridium APM Assembly** dialog box, select the file **Meridium.Integration.dll**.
- On the **Choose an Object Type** dialog box, select the file **Meridium.Integration.CMMS.DataCollection.DataCollectionTask**.
- On the **Task** tab, define a schedule that will execute the scheduled item on a recurring basis. The frequency by which you want to execute the scheduled item is up to you.
- On the **User** tab, specify a Security User who is either a Super User or a member of the MI CMMS Interface Administrator Security Group.
- On the **Parameters** tab:
  - In the **CMMS System** list, select the Oracle eAM system from which you want to extract data.
  - On the **Parameters** tab, after you have selected the Oracle eAM system from which you want to extract data, use each item-specific tab to define the range of creation or modification dates of the items that you want to extract. For example, if you want to extract locations that were created or changed on or after January 1, 1990 and on or before January 1, 2009, you would specify the dates on the **Functional Location Extraction (FLE) oraebus** tab as shown in the following image:



If you define parameters on *all* tabs, the interfaces will be run in the following order:

- Functional Location Extraction
- Equipment Extraction
- Work History Extraction
- Work History Detail Extraction

Note: To determine which tabs appear on the **Parameters** tab, the Meridium APM system runs the Interfaces Related to a System query, which is stored in the Meridium APM Catalog. This query contains a prompt for a CMMS system name, and the value that you select in the **CMMS System** list on the **Parameters** tab is passed into the query prompt automatically. The query returns the CMMS Interface records that are linked to the CMMS System record whose Name field contains the value that you selected in the **CMMS System** list. For each CMMS Interface record that is returned by the query, a corresponding tab is displayed on the **Parameters** tab. By default, the query is configured to return all CMMS Interface records *except* the one that contains the value *Work Request (WR)* in the Interface Type field.

Requirements for Creating Oracle EBS eAM Work Requests

In order to create an Oracle EBS eAM Work Request from a Meridium APM Recommendation record, at a minimum, your database must contain a CMMS System record whose Enabled field contains the value *True*. The CMMS System record is used to define the connection information to your Oracle EBS eAM system. If the SAP Interfaces and the Oracle EBS eAM Interfaces licenses are both active, in addition to this requirement, certain additional conditions must be met regarding the SAP System and CMMS System records that exist in the database. The exact conditions that must be met depends on the following main factors:

- Whether or not the Recommendation record is linked to an Equipment or Functional Location record.
- Whether or not that Equipment or Functional Location record is linked to a Site Reference record.

The following scenarios describe the conditions that must exist in each of these cases.

Scenario A: Recommendation Record Is *not* Linked to an Equipment or Functional Location Record

In this scenario, you can create a Work Request successfully only if *both* of the following conditions are true:

- Either *no* SAP System records exist or none of the existing SAP System records contain the value *True* in the Default SAP System field.

  -and-

- A CMMS System record exists with the value *True* in the Is Default field.

Scenario B: Recommendation Record *Is* Linked to an Equipment or Functional Location Record

Option 1: The Equipment or Functional Location record *is* linked to a Site Reference record

In this scenario, you can create a Work Request successfully only if *no* SAP System records exist in the database. In addition, if the Site Reference record is linked to a CMMS System record, the Work Request will be created automatically in the Oracle EBS eAM system represented by that CMMS System, regardless of whether or not the Is Default field in that record contains the value *True*. If, however, the Site Reference record is not linked to a CMMS System record, the requirements in option 2 must be met.

Option 2: The Equipment or Functional Location record is *not* linked to a Site Reference record

In this scenario, you can create a Work Request successfully only if *both* of the following conditions are true:

- Either *no* SAP System records exist or none of the existing SAP System records contain the value *True* in the Default SAP System field.

  -and-

- A CMMS System record exists with the value *True* in the Is Default field.

Supported Recommendation Families

You can create Oracle EBS eAM Work Requests from Recommendation records belonging to any baseline Recommendation family *except* for the following families:

- Recommendation (i.e., the *root* Recommendation family)
- AMS Asset Recommendation
- RBI Recommendation
- RCMO Recommendation
- Risk Assessment Recommendation

Because you can create an Oracle EBS eAM Work Request from a Recommendation record belonging to one of many families, throughout the Oracle EBS eAM Interfaces documentation, we refer to this record as a *Meridium APMRecommendation record*.

Creating Oracle EBS eAM Work Requests from Recommendation Records

Note: The following instructions assume that the Create Work Request field exists on the baseline datasheets for the supported Recommendation families. This field exists on the default datasheets in the baseline Meridium APM database, so these instructions assume that they have not been removed by an administrative user.

To create an Oracle EBS eAM Work Request from a Recommendation record:

1. Create a newor open an existing Recommendation record.
2. Make sure that the Recommendation record is linked to the Equipment or Functional Location record that represents the equipment or location for which you want to create an Oracle EBS eAM Work Request.
3. Select the default datasheet (as it is defined via the Configuration Manager) for the Recommendation record. For example, if you are viewing an Inspection Recommendation record, because the Inspection Recommendation datasheet is configured as the default datasheet via the Configuration Manager, you would need to select this datasheet.
4. On the datasheet, enter values into the fields as desired to provide information about the recommended action.

   Note: The value in the Target Completion Date field must be a date *other than* the current date.

5. On the datasheet, select the **Create Work Request?** check box.
6. On the **Common Tasks** menu, click the **Save** link.

   The record is saved. In addition, the Meridium APM system:

   - Creates a Work Request in the Oracle EBS eAM system and maps values to the Work Request using the CMMS Mapping records that exist in the database.
   - Populates the Work Request Reference field with the ID of the corresponding Work Request. Note that after the Work Request Reference field is populated, the Create Work Request field becomes disabled.
   - Populates one of the following fields in the Recommendation record with the Oracle EBS eAM Asset Number:
     - Work Request Equipment (if the Work Request belongs to an equipment)
     - Work Request Location (if the Work Request belong to a location)

   If the Work Request does not belong to an equipment or location, these fields

remain empty.

Note: If a Work Request could not be created for any reason, a message appears, describing the problem. You will be unable to save the Recommendation record until you clear the **Create Work Request?** check box.

Updating Oracle EBS eAM Work Requests from Recommendation Records

To update an Oracle EBS eAM Work Request that was created from a Recommendation record:

1. Open the existingRecommendation record that was used to create an Oracle EBS eAM Work Request.
2. On the datasheet, modify any of the values that were originally mapped to the Work Request.

   Note: The value in the Target Completion Date field must be a date *other than* the current date.

3. On the **Common Tasks** menu, click the **Save** link.

   The Recommendation record is saved, and the Work Request is updated in the Oracle EBS eAM system.

Equipment Extraction Interface

The *Equipment Extraction Interface* allows you to extract data about equipment from your Oracle EBS eAM system and import it into your Meridium APM system as Equipment records. To execute the Equipment Extraction Interface, an administrative user will create a scheduled item via the Meridium APM Schedule Manager. After the scheduled item is created, the Equipment Extraction Interface will run automatically according to the schedule that is defined in the scheduled item.

When the Equipment Extraction Interface is run, for each piece of equipment in the Oracle EBS eAM system that meets the criteria defined in the scheduled item, a corresponding Equipment record will be created in the Meridium APM database. In addition, if that Oracle EBS eAM equipment has a parent equipment or location, the Meridium APM Equipment record will be linked automatically to a parent record belonging to the Equipment family or the Functional Location family, as appropriate.

As a Meridium APM Framework user, after the Equipment Extraction Interface runs, you can use the Meridium APM Core Tools (e.g., Search Tool) to access the Equipment records that were created automatically. When you are viewing an Equipment record that was created as a result of the Equipment Extraction Interface, to see all the values that were mapped from the Oracle EBS eAM system, you can use the Equipment (Oracle) datasheet.

In addition, to see the status of any given execution of the Equipment Extraction Interface, you can view the corresponding Interface Log record that was created automatically when the interface was run.

Functional Location Extraction Interface

The *Functional Location Extraction Interface* allows you to extract data about locations from your Oracle EBS eAM system and import it into your Meridium APM system as Functional Location records. To execute the Functional Location Extraction Interface, an administrative user will create a scheduled item via the Meridium APM Schedule Manager. After the scheduled item is created, the Functional Location Extraction Interface will run automatically according to the schedule that is defined in the scheduled item.

When the Functional Location Extraction Interface is run, for each location in the Oracle EBS eAM system that meets the criteria defined in the scheduled item, a corresponding Functional Location record will be created in the Meridium APM database. In addition, if that Oracle EBS eAM location has a parent equipment or location, the Meridium APM Functional Location record will be linked automatically to a parent record belonging to the Equipment family or the Functional Location family, as appropriate.

As a Meridium APM Framework user, after the Functional Location Extraction Interface runs, you can use the Meridium APM Core Tools (e.g., Search Tool) to access the Functional Location records that were created automatically. When you are viewing a Functional Location record that was created as a result of the Functional Location Extraction Interface, to see all the values that were mapped from the Oracle EBS eAM system, you can use the Functional Location (Oracle) datasheet.

In addition, to see the status of any given execution of the Functional Location Extraction Interface, you can view the corresponding Interface Log record that was created automatically when the interface was run.

Work History Extraction Interface

The *Work History Extraction Interface* allows you to extract Work Orders from your Oracle EBS eAM system into your Meridium APM system as Work History records. To execute the Work History Extraction Interface, an administrative user will create a scheduled item via the Meridium APM Schedule Manager. After the scheduled item is created, the Work History Extraction Interface will run automatically according to the schedule that is defined in the scheduled item.

When the Work History Extraction Interface is run, for each Work Order in the Oracle EBS eAM system that meets the criteria defined in the scheduled item, a corresponding Work History record will be created in the Meridium APM database. Each Work History record will be linked to one Equipment or Functional Location record identifying the equipment or location against which the Oracle EBS eAM Work Order is written. Specifically:

- If the Work Order is written against a location, the Work History record will be linked to a Functional Location record, and the Location ID field in the Work History record will be populated automatically with the Asset Number of that Oracle EBS eAM location.
- If the Work Order is written against equipment, the Work History record will be linked to an Equipment record, and the Equipment ID field in the Work History record will be populated automatically with the Asset Number of that Oracle EBS eAM equipment. In addition, if the Oracle EBS eAM equipment has a *parent* location, the Work History record will also be linked to a Functional Location record representing that parent Oracle EBS eAM location. The Location ID field in the Work History record will also be populated automatically with the Asset Number of that parent Oracle EBS eAM location.

As a Meridium APM Framework user, after the Work History Extraction Interface runs, you can use the Meridium APM Core Tools (e.g., Search Tool) to access the Work History records that were created automatically. When you are viewing a Work History record that was created as a result of the Work History Extraction Interface, to see all the values that were mapped from the Oracle EBS eAM system, you can use the Work History (Oracle) datasheet.

Hint: You can also use the Work History with Details (Oracle) datasheet, which is a master/detail datasheet, to view the Work History records and the Work History Detail records to which they are linked.

In addition, to see the status of any given execution of the Work History Extraction Interface, you can view the corresponding Interface Log record that was created automatically when the interface was run.

Work History Detail Extraction Interface

The *Work History Detail Extraction Interface* allows you to extract Work Order failure information from your Oracle EBS eAM system into your Meridium APM system as Work History Detail records. To execute the Work History Detail Extraction Interface, an administrative user will create a scheduled item via the Meridium APM Schedule Manager. After the scheduled item is created, the Work History Detail Extraction Interface will run automatically according to the schedule that is defined in the scheduled item.

When the Work History Detail Extraction Interface is run, for each Work Order in the Oracle EBS eAM system that meets the criteria defined in the scheduled item and contains failure information, a corresponding Work History Detail record will be created in the Meridium APM database. Each Work History Detail record will be linked to a Work History record representing the Work Order on which the failure information exists.

Note that if, however, a Work Order does not have any failure information, a Work History Detail record will not be created.

As a Meridium APM Framework user, after the Work History Detail Extraction Interface runs, you can use the Meridium APM Core Tools (e.g., Search Tool) to access the Work History Detail records that were created automatically. If desired, you can open a Work History record and use the Work History with Details (Oracle) datasheet, which is a master/detail datasheet, to view Work History records and the Work History Detail records to which they are linked. If you are viewing a Work History Detail record on its own, to see all the values that were mapped from the Oracle EBS eAM system, you can use the Work History Detail (Oracle) datasheet.

In addition, to see the status of any given execution of the Work History Detail Extraction Interface, you can view the corresponding Interface Log record that was created automatically when the interface was run.

Oracle EBS eAM Interfaces Catalog Folder Structure

The queries listed in the following table are provided in the Catalog folder \\Public\Meridium\Modules\CMMS Interfaces\Oracle\Queries. In this table, the values listed in the **Query** column refer to the query *names*. The baseline captions are the same as the names.

Query	Behavior and Usage
ASSET_GROUP_LOOKUP	Returns from an Equipment or Functional record a value representing an asset group. When you create an Oracle EBS eAM Work Request from a Recommendation record, the Meridium APM system runs this query automatically and maps the returned value (which comes from the Equipment or Functional Location record to which the Recommendation record is linked) to a target field in the Oracle EBS eAM Work Request. Regardless of whether the Recommendation record is linked to an Equipment record or a Functional Location record, the value in the *Asset Group* field in that Equipment or Functional Location record is mapped to the Work Request. The Work Request field to which this value is mapped is determined by the CMMS Mapping record with this query name in the Query field. In the baseline database, the value is mapped to the *ASSET_GROUP* field in the Oracle EBS eAM Work Request. If you want this value to be mapped to a *different* Work Request field, you will need to modify the CMMS Mapping record accordingly. The Oracle EBS eAM Interfaces documentation assumes that you have *not* modified the baseline CMMS Mapping record or this query.

Query	Behavior and Usage
ASSET_NUMBER_LOOKUP	Returns from an Equipment or Functional Location record a value representing an asset number. When you create an Oracle EBS eAM Work Request from a Recommendation record, the Meridium APM system runs this query automatically and maps the returned value (which comes from the Equipment or Functional Location record to which the Recommendation record is linked) to a target field in the Oracle EBS eAM Work Request. If the Recommendation record is linked to an Equipment record, the value in the *Equipment ID* field in that Equipment record is mapped to the Work Request. If the Recommendation record is linked to a Functional Location record, the value in the *Functional Location* field in that Functional Location record is mapped to the Work Request. The Work Request field to which this value is mapped is determined by the CMMS Mapping record with this query name in the Query field. In the baseline database, this value is mapped to the *ASSET_NUMBER* field in the Oracle EBS eAM Work Request. If you want this value to be mapped to a *different* Work Request field, you will need to modify the CMMS Mapping record accordingly. The Oracle EBS eAM Interfaces documentation assumes that you have *not* modified the baseline CMMS Mapping record or this query.
EQUIPMENT_LOOKUP	Returns the Oracle EBS eAM Asset Number for the equipment to which a given Work Request belongs. When you create an Oracle EBS eAM Work Request from a Recommendation record, the Meridium APM system runs this query and the FUNCTIONAL_LOCATION_LOOKUP query automatically and maps the returned value to one of the following fields in the Recommendation record: ■ The *Work Request Equipment* field, if the Asset Number belongs to an equipment. ■ The *Work Request Location* field, if the Asset Number belongs to a location.

Query	Behavior and Usage
FUNCTIONAL_LOCATION_LOOKUP	Returns the Oracle EBS eAM Asset Number for the location to which a given Work Request belongs. When you create an Oracle EBS eAM Work Request from a Recommendation record, the Meridium APM system runs this query and the FUNCTIONAL_LOCATION_LOOKUP query automatically and maps the returned value to one of the following fields in the Recommendation record: ■ The *Work Request Equipment* field, if the Asset Number belongs to an equipment. ■ The *Work Request Location* field, if the Asset Number belongs to a location.
Interfaces Related to a System	After providing a prompt for a CMMS system name, returns the CMMS Interface records that are linked to the CMMS System record whose Name field contains the value that is specified in the prompt. This query is run automatically when an administrative user creates a scheduled item to run an interface belonging to the Oracle EBS eAM Interfaces. For each CMMS Interface record that is returned by the query, a corresponding tab is displayed on the **Parameters** tab of the **Schedule Data Collection** window in the Meridium APM Schedule Manager. By default, the query is configured to return all CMMS Interface records *except* the one that contains the value *Work Request (WR)* in the Interface Type field.

Query	Behavior and Usage
MAINTENANCE_OBJECT_ID_LOOKUP	Returns from an Equipment or Functional record a value representing a maintenance object ID. When you create an Oracle EBS eAM Work Request from a Recommendation record, the Meridium APM system runs this query automatically and maps the returned value (which comes from the Equipment or Functional Location record to which the Recommendation record is linked) to a target field in the Oracle EBS eAM Work Request. If the Recommendation record is linked to an Equipment record, the value in the *Equipment ID* field in that Equipment record is mapped to the Work Request. If the Recommendation record is linked to a Functional Location record, the value in the *Functional Location* field in that Functional Location record is mapped to the Work Request. The Work Request field to which this value is mapped is determined by the CMMS Mapping record with this query name in the Query field. In the baseline database, this value is mapped to the *MAINTENANCE_OBJECT_ID* field in the Oracle EBS eAM Work Request. If you want this value to be mapped to a *different* Work Request field, you will need to modify the CMMS Mapping record accordingly. The Oracle EBS eAM Interfaces documentation assumes that you have *not* modified the baseline CMMS Mapping record or this query.

Query	Behavior and Usage
MAINTENANCE_OBJECT_TYPE_LOOKUP	Returns from an Equipment or Functional record a value representing a maintenance object type. When you create an Oracle EBS eAM Work Request from a Recommendation record, the Meridium APM system runs this query automatically and maps the returned value (which comes from the Equipment or Functional Location record to which the Recommendation record is linked) to a target field in the Oracle EBS eAM Work Request. Regardless of whether the Recommendation record is linked to an Equipment record or a Functional Location record, the value in the *Object Type* field in that Equipment or Functional Location record is mapped to the Work Request. The Work Request field to which this value is mapped is determined by the CMMS Mapping record with this query name in the Query field. In the baseline database, this value is mapped to the *WORK_REQUEST_MAINTENANCE_OBJECT_TYPE* field in the Oracle EBS eAM Work Request. If you want this value to be mapped to a *different* Work Request field, you will need to modify the CMMS Mapping record accordingly. The Oracle EBS eAM Interfaces documentation assumes that you have *not* modified the baseline CMMS Mapping record or this query.

Query	Behavior and Usage
ORGANIZATION_ID_LOOKUP	Returns from an Equipment or Functional record a value representing an organization ID. When you create an Oracle EBS eAM Work Request from a Recommendation record, the Meridium APM system runs this query automatically and maps the returned value (which comes from the Equipment or Functional Location record to which the Recommendation record is linked) to a target field in the Oracle EBS eAM Work Request. Regardless of whether the Recommendation record is linked to an Equipment record or a Functional Location record, the value in the *Organization Internal ID* field in that Equipment or Functional Location record is mapped to the Work Request. The Work Request field to which this value is mapped is determined by the CMMS Mapping record with this query name in the Query field. In the baseline database, this value is mapped to the *ORGANIZATION_ID* field in the Oracle EBS eAM Work Request. If you want this value to be mapped to a *different* Work Request field, you will need to modify the CMMS Mapping record accordingly. The Oracle EBS eAM Interfaces documentation assumes that you have *not* modified the baseline CMMS Mapping record or this query.

Query	Behavior and Usage
OWNING_DEPT_ID_LOOKUP	Returns from an Equipment or Functional record a value representing an owning department ID. When you create an Oracle EBS eAM Work Request from a Recommendation record, the Meridium APM system runs this query automatically and maps the returned value (which comes from the Equipment or Functional Location record to which the Recommendation record is linked) to a target field in the Oracle EBS eAM Work Request. Regardless of whether the Recommendation record is linked to an Equipment record or a Functional Location record, the value in the *Owning Department* field in that Equipment or Functional Location record is mapped to the Work Request. The Work Request field to which this value is mapped is determined by the CMMS Mapping record with this query name in the Query field. In the baseline database, this value is mapped to the *WORK_REQUEST_OWNING_DEPT* field in the Oracle EBS eAM Work Request. If you want this value to be mapped to a *different* Work Request field, you will need to modify the CMMS Mapping record accordingly. The Oracle EBS eAM Interfaces documentation assumes that you have *not* modified the baseline CMMS Mapping record or this query.

Query	Behavior and Usage
PRIORITY_ID_LOOKUP	Returns the priority from a Recommendation record (stored in the Priority field). When you create an Oracle EBS eAM Work Request from a Recommendation record, the Meridium APM system runs this query automatically and maps the returned value to a target field in the Oracle EBS eAM Work Request. The Work Request field to which this value is mapped is determined by the CMMS Mapping record with this query name in the Query field. In the baseline database, this value is mapped to the WORK_REQUEST_PRIORITY_ID field in the Oracle EBS eAM Work Request. If you want this value to be mapped to a *different* Work Request field, you will need to modify the CMMS Mapping record accordingly. The Oracle EBS eAM Interfaces documentation assumes that you have *not* modified the baseline CMMS Mapping record or this query. **Note:** They query assumes that the values in the Priority field in the Recommendation record come from the System Code Table with the ID *MI_PRIORITY*. If the Priority field has been modified to return different values, the query will not work.

CMMS System

The following table provides a list and description of the fields that exist in CMMS System records and are available on the baseline CMMS System datasheet. The information in the table reflects the baseline state and behavior of these fields. If your implementation has been customized, these fields may behave differently, and fields in addition to those listed here may be available.

Field	Data Type	Description	Behavior and Usage
Name	Character	The name of the Oracle EBS eAM system.	The name must be unique with respect to the name in other CMMS System records. The value in this field will be used to populate the System field in all CMMS Interface records to which this CMMS System record is linked. This field is required.
Description	Character	A description of the Oracle EBS eAM system.	None
Enabled	Logical	A value that indicates that the Oracle EBS eAM system is enabled.	On the datasheet, you will see a check box, which you can select to indicate that the system is enabled. If this check box is not selected, records will not be extracted from Oracle EBS eAM when you execute the interfaces.
Is Default	Logical	A value that indicates that data should be created in or extracted from this Oracle EBS eAM system by default.	On the datasheet, you will see a check box, which you can select to indicate that the system is enabled. Only one CMMS System record can be designated as the default record.

Field	Data Type	Description	Behavior and Usage
Type	Character	The type of system that this record represents.	By default, the baseline CMMS System records used by the Oracle EBS eAM Interfaces contain the value *Oracle* in this field. You should not modify this value in the baseline records. If you create a new CMMS System record for use with the Oracle EBS eAM Interfaces, you should select the value *Oracle* in this field.

CMMS Interface

The following table provides a list and description of the fields that exist in CMMS Interface records and are available on the baseline CMMS Interface datasheet. The information in the table reflects the baseline state and behavior of these fields. If your implementation has been customized, these fields may behave differently, and fields in addition to those listed here may be available.

Field	Data Type	Description	Behavior and Usage
Interface Type	Character	The type of interface.	On the datasheet, this field contains a list of values from the MI_CMMS_INTERFACE_TYPE System Code Table. In the baseline Meridium APM database, the list contains the following values: • Work Request (WR) • Equipment Extraction (EE) • Functional Location Extraction (FLE) • Work History Detail (WHD) • Work History (WH)
Enabled	Logical	A value that indicates whether this interface is enabled.	On the datasheet, you will see a check box, which you can select to indicate that the interface type is enabled.
Connection String	Character	The URL to the web service that is called by this interface.	None
User ID	Character	A user ID that can be used to log in to the Oracle EBS eAM software.	None

Field	Data Type	Description	Behavior and Usage
Password	Character	The password that is associated with the ID that is stored in the User ID field.	On the datasheet, this field contains a ··· button that you can click to launch the **Enter Password** dialog box, where you can type the password. The password will appear as asterisks.
Project Path	Character	The path to the Rules Library project that is used to implement the interface.	On the datasheet, this field contains a ··· button that you can click to launch the **Select Rule Library Project** dialog box, where you can select the desired Rules Library project from the Catalog folder \\Public\Rules Library. This field is required.
Class	Character	The full name (including the namespace) of the class, which exists within the Rules Library project that is referenced in the Project Path field, that implements the interface.	On the datasheet, this field contains a list of available classes. This field is required.
System	Character	The name of the Oracle EBS eAM system from which data will be transferred when this interface is run.	This field is disabled and populated automatically with the value in the CMMS System field in the CMMS System record to which this CMMS Interface record is linked.

Field	Data Type	Description	Behavior and Usage
Enable Debug Tracing	Logical	A value that indicates whether or not you want to capture detailed information in the Log Text field of the Interface Log record that is created when this interface is run.	On the datasheet, you will see a check box, which you can select to indicate that you want to capture detailed information. If this check box is not selected, the Interface Log record that is created when this interface is run will contain only overview information in the Log Text field.
Use Proxy	Logical	A value that indicates whether or not a proxy should be used when accessing the web service.	On the datasheet, you will see a check box, which you can select to indicate that a proxy should be used.
Proxy URL	Character	The URL to the proxy server.	This field is enabled and required only if the **Use Proxy** check box is selected.
Proxy Port	Character	The port number of the proxy server.	This field is enabled only if the **Use Proxy** check box is selected. If you do not type a proxy port, HTTP port 80 will be used automatically.
Use Network Credentials	Logical	A value that indicates whether or not network credentials should be used when accessing the web service.	On the datasheet, you will see a check box, which you can select to indicate that network credentials should be used.
Network User ID	Character	The user ID used to access the network.	This field is enabled and required only if the **Use Network Credentials** check box is selected.

Field	Data Type	Description	Behavior and Usage
Network Password	Character	The password that is associated with the user ID that is stored in the Network User ID field.	This field is enabled only if the **Use Network Credentials** check box is selected. On the datasheet, this field contains a ··· button that you can click to launch the **Enter Password** dialog box, where you can type the password. The password will appear as asterisks. This field is enabled only if the **Use Network Credentials** check box is selected.
Network Domain	Character	The domain of the network user.	None

CMMS Mapping

The following table provides a list and description of the fields that exist in CMMS Mapping records and are available on the baseline CMMS Mapping datasheet. The information in the table reflects the baseline state and behavior of these fields. If your implementation has been customized, these fields may behave differently, and fields in addition to those listed here may be available.

Field	Data Type	Description	Usage and Behavior
Approach	Character	The approach that will be used to map values to and from Oracle EBS eAM.	On the datasheet, this field contains a list of values from the MI_INTERFACE_MAPPING_APPROACH System Code Table. In the baseline Meridium APM database, the list contains the following values: • **CONST:** Indicates that you want to map a specific, hard-coded value to Maximo. If you select *CONST*, you will need to specify: ▪ The specific, hard-coded value, using the Constant field. ▪ The Maximo field type, using the Element Type field. ▪ The Maximo field, using the Element Field field. **Note:** Constant values do not appear in the Maximo interface as field values. Instead, they are used during the data transfer process by the Maximo web services. • **FIELD:** Indicates that you want to map a field value. If you select *FIELD*, you will need to specify: ▪ The desired Meridium APM family, using the Record Type field. ▪ The desired Meridium APM field, using the Record Field field. ▪ The desired Maximo field type, using the Element Type field. ▪ The desired Maximo field, using the Element Field

Field	Data Type	Description	Usage and Behavior

			field.
			• **QUERY:** Indicates that you want to map a value from query results to a Work Request field. If you select QUERY, you will need to specify:
			  ▪ The source query, using the Query field.
			  ▪ The target Work Request field type, using the Element Type field.
			  ▪ The target Work Request field, using the Element Field field.
			• **LITERAL:** Indicates that you want to map a specific, hard-coded value to Meridium APM. If you select *LITERAL*, you will need to specify:
			  ▪ The specific, hard-coded value, using the Constant field.
			  ▪ The desired Meridium APM family, using the Record Type field.
			  ▪ The desired Meridium APM field, using the Record Field field.

Field	Data Type	Description	Usage and Behavior
Element Type	Character	The class name of the Oracle EBS eAM field.	If the interface is creating data in Oracle EBS eAM, the Element Type represents the class name of the target Oracle EBS eAM field *to which* a value will be mapped. -or- If the interface is creating or updating data in Meridium APM (e.g., Equipment Extraction Interface), the Element Type represents the class name of the source Oracle EBS eAM field *from which* the value will be mapped.
Element Field	Character	The field name of the Oracle EBS eAM field.	If the interface is creating data in Oracle EBS eAM (e.g., Work Request Interface), the Element Field represents the target Maximo field to which a value will be mapped. -or- If the interface is creating or updating data in Meridium APM (e.g., Equipment Extraction Interface), the Element Field represents the source Oracle EBS eAM field *from which* the value will be mapped. This field is required.
Constant	Character	The specific, hard-coded value that will be mapped to or from Oracle EBS eAM.	This field is enabled and required only if the Approach field contains the value *CONST* or *LITERAL*.

Field	Data Type	Description	Usage and Behavior
Query	Character	The query that will be used to map fields to the Work Request.	This field is enabled and required only if the Approach field contains the value *QUERY*. On the datasheet, this field contains a ··· button, which you can click to launch the **Select Query** dialog box, where you can select the desired query. Note that the extraction interfaces do not support mapping values from Oracle EBS eAM using a query. The query mapping approach can be used, instead, only if you are mapping values *to* Oracle EBS eAM.

Field	Data Type	Description	Usage and Behavior
Query Parameter Mapping	Character	The values that will be passed into the prompts that are included in the query specified in the Query field.	To specify prompt values, you will need to use the following syntax: **<prompt>=<value>** ...where: • **<prompt>** is the prompt ID of the prompt, as defined in the query. Alternatively, you can use the text **Pn**, where **n** is the number of the prompt in the query. Note that prompts are numbered beginning with zero (e.g., 0,1,2,3). For example, to specify a value for the *second* prompt in a query, the parameter would be *P1*. • **<value>** is the value that you want to pass in to the prompt. If a query contains multiple prompts whose values you want to pass in, you can separate the prompt values with the ampersand (&) (e.g., Manufacturer=Pacific&Part_Number=123456). Note that instead of passing specific, hard-coded values in to the prompt, you can also map variable values from any record to which Recommendation record is linked. To do so, you would use the following syntax: **<prompt>=<Family ID>.<Field ID>** ...where: • **<prompt>** is the prompt ID of the prompt. • **<Family ID>** is the Family ID of the family containing the record whose value you want to pass in to the prompt.

Field	Data Type	Description	Usage and Behavior
			• **<Field ID>** is the Field ID of the field whose value you want to pass in to the prompt. For example, suppose a Recommendation record is linked to an Equipment record with the value *Pacific* in the Manufacturer field. Suppose you also have a query that returns Equipment records by manufacturer, with a prompt on the Manufacturer field. In this case, using the Query field of a CMMS Mapping record, you would select the query. Then, in the Query Parameter Mapping field, you would type the following text: **Manufacturer=MI_EQUIP000.MI_EQUIP000_MFR_C** ...where: • *Manufacturer* is the prompt ID of the prompt. • *MI_EQUIP000* is the Family ID of the Equipment family. • *MI_EQUIP000_MFR_C* is the Field ID of the Manufacturer field.

Field	Data Type	Description	Usage and Behavior
Record Type	Character	The Meridium APM family that will be used to map values to or from Oracle EBS eAM.	If the interface is creating data in Oracle EBS eAM (e.g., Work Request Interface), the Record Type represents the family containing the record whose field value will be mapped *to* Maximo. -or- If the interface is creating or updating data in Meridium APM (e.g., Equipment Extraction Interface): • If the value in the Approach field is *FIELD*, the Record Type represents the Meridium APM family whose records will be created or updated *from* Oracle EBS eAM. -OR- • If the value in the Approach field is *LITERAL*, the Record Type represents the Meridium APM family whose records will be populated with a constant value. This field is enabled and required only if the Approach field contains the value *FIELD* or *LITERAL*.

Field	Data Type	Description	Usage and Behavior
Record Field	Character	The Meridium APM field whose value will be mapped to or from Oracle EBS eAM.	If the interface is creating data in Oracle EBS eAM (e.g., Work Request Interface), the Record Field represents the Meridium APM field whose value will be mapped *to* Oracle EBS eAM. -or- If the interface is creating or updating data in Meridium APM (e.g., Equipment Extraction Interface): • If the value in the Approach field is *FIELD*, the Record Field represents the Meridium APM field whose value will be updated *from* Oracle EBS eAM. -OR- • If the value in the Approach field is *LITERAL*, the Record Field represents the Meridium APM field whose value will be populated with a constant value, as determined by the value in the CONSTANT field. This field is enabled and required only if the Approach field contains the value *FIELD*.

Field	Data Type	Description	Usage and Behavior
Is Key	Logical	A value that indicates whether or not the Meridium APM field that appears in the Record Field field will be used to determine uniqueness when transferring data to and from the Oracle EBS eAM system.	For example, in the baseline database, for the Equipment Extraction interface, the Equipment Technical Number field is identified as a key field. When you extract Equipment from the Oracle EBS eAM system, the INSTANCE_NUMBER field is mapped from Equipment in Oracle EBS eAM to the Equipment Technical Number field in Meridium APM Equipment records. During the extraction process, a new Equipment record will be created in the Meridium APM database only if an Equipment record with the same Equipment Technical Number does not already exist. If an Equipment record with that Equipment Technical Number already exists, it will be updated with the value in the INSTANCE_NUMBER field in the Oracle EBS eAM system.

Interface Log

The following table provides a list and description of the fields that exist in Interface Log records and are available on the baseline Interface Log datasheet. The information in the table reflects the baseline state and behavior of these fields. If your implementation has been customized, these fields may behave differently, and fields in addition to those listed here may be available. This list is not comprehensive.

Field	Data Type	Description	Behavior and Usage
System ID	Character	The name of the Oracle EBS eAM system from which records were extracted.	This field is disabled.
Type	Character	The name of the interface that was executed (i.e., Equipment Extraction).	This field is disabled.
Date Executed	Date	The date that the interface was executed.	This field is disabled.

Field	Data Type	Description	Behavior and Usage
Status	Character	The status of the extraction process.	On the datasheet, this field contains a list of values from the MI_CMMS_INF_ERROR_CODES System Code Table. In the baseline Meridium APM database, the list contains the following values: • **Completed:** The extraction process completed successfully without warnings or errors. • **Completed with Warnings:** The extraction process completed successfully, but with warnings, indicating that you might want to review the warnings to determine if any action is needed. • **Completed with Errors:** The extraction process did not complete successfully. • **Completed with Warnings (Cleared):** The extraction process completed successfully with warnings, and someone has reviewed the warnings. • **Completed with Errors (Cleared):** The extraction process did not complete successfully, and someone has reviewed the errors. When the extraction process is finished running, the value in the Status field will be set automatically to *Completed*, *Completed with Warnings*, or *Completed with Errors*. If the status indicates warnings or errors have occurred, a Super User or a member of the MI CMMS Interfaces Administrator Security Group can review the warnings or errors and then change the status to Completed with Warnings (Cleared) or Completed with Errors (Cleared).

Field	Data Type	Description	Behavior and Usage
Log Text	Text	Information about the extraction process, including any warnings or errors that occurred.	The level of detail that appears in the Log Text field depends upon whether or not the **Enable Debug Tracing** check box is selected in the CMMS Interface record representing the interface that was run to create this Interface Log record. If that check box is selected, the Log Text field will contain detailed information, and if that check box is cleared, the Log Text field will contain general overview information about the extraction process. This field is disabled.
Number Of Records Processed	Number	The number of Oracle EBS eAM records that were processed during the extraction process.	This field is disabled.
Number Of Records Rejected	Number	The number of Oracle EBS eAM records that were rejected during the extraction process.	This field is disabled.

Field	Data Type	Description	Behavior and Usage
Number Of Records Created	Number	The number of Meridium APM records that were created during the extraction process.	This field is disabled.
Number Of Records Updated	Number	The number of Meridium APM records that were updated during the extraction process.	If the parameters that are defined in the Schedule Manager cause the extraction process to process Oracle EBS eAM records for which corresponding Meridium APM records already exist, the Interface Log record for that extraction process will show that those Meridium APM records were *updated*. This does not mean, however, that they were changed in some way. If the values in Oracle EBS eAM are the same as the values in the existing Meridium APM records, the Meridium APM records will not be changed. This field is disabled.

System Code Tables Used by the Oracle EBS eAM Interfaces

The following System Code Tables are used by the Oracle EBS eAM Interfaces:

Table ID	Table Description	Function
MI_CMMS_INF_ ERROR_CODES	CMMS Interface Error Codes	Used to populate the **Status** list in Interface Log records.
MI_CMMS_ INTERFACE_TYPE	CMMS Interface Types	Used to populate the **Interface Type** list in CMMS Interface records.
MI_CMMS_TYPE	CMMS System Type	Used to populate the **Type** list in CMMS System records.
MI_DIRECTION_ INDICATOR	CMMS Mapping Direction Indicators	Used to populate the **Direction** list in CMMS Mapping records.
MI_INTERFACE_ MAPPING_ APPROACH	Mapping Approach Indic-ators for CMMS Interface Mapping	Used to populate the **Approach** list in CMMS Mapping records.

Oracle EBS eAM Values Mapped to Equipment Records

The following tables explain the values that are used to populate Equipment fields when you run the Equipment Extraction Interface.

Values Mapped From Oracle EBS eAM

Oracle EBS eAM Interface Label	Oracle EBS eAM Internal ID	Meridium APM Equipment Field Caption	Meridium APM Equipment Field ID
Area Internal ID	AREA_ID	Area Internal ID	MI_EQUIP000_AREA_CODE_C
Area	AREA	Area	MI_EQUIP000_AREA_ID_C
Area Description	AREA_DESCRIPTION	Area Description	MI_EQUIP000_AREA_DESC_C
Asset Category	ASSET_CATEGORY_ID	Category	MI_EQUIP000_SAP_CATEG_C
Criticality Internal ID	ASSET_CRITICALITY	Criticality Internal ID	MI_EQUIP000_CRITI_INTER_ID_C
Criticality	ASSET_CRITICALITY_CODE	Criticality Indicator	MI_EQUIP000_CRITI_IND_C
Criticality Description	ASSET_CRITICALITY_DESC	Criticality Indicator Description	MI_EQUIP000_CRITI_IND_DESC_C
Asset Group Description	ASSET_GROUP_DESCRIPTION	Asset Group Description	MI_EQUIP000_ASSET_GROUP_DESC_C
Asset Category Description	CATEGORY_NAME	Category Description	MI_EQUIP000_SAP_CATEG_DESC_C
Asset Group	CONCATENATED_SEGMENTS	Asset Group	MI_EQUIP000_ASSET_GROUP_C

Oracle EBS eAM Interface Label	Oracle EBS eAM Internal ID	Meridium APM Equipment Field Caption	Meridium APM Equipment Field ID
Asset Route	ASSET_ROUTE	Asset Route	MI_EQUIP000_ASSET_ROUTE_C
None. This value is not visible in the Oracle EBS eAM interface.	CREATION_DATE	CMMS Creation Date	MI_EQUIP000_CREATE_DATE_D
Organization Internal ID	CURRENT_ORGANIZATION_ID	Organization Internal ID	MI_EQUIP000_ORGAN_INTER_ID_C
Organization	INV_ORGANIZATION_CODE	Organization	MI_EQUIP000_ORGANIZATION_C
Organization Description	ORGANIZATION_NAME	Organization Description	MI_EQUIP000_ORGAN_DESC_C
Supplier Warranty Expiration Date	SUPPLIER_WARRANTY_EXP_DATE	Warranty Expiration Date	MI_EQUIP000_WRNTY_EXPR_D
Asset Description	DESCRIPTIVE_TEXT	Equipment Long Description -AND- Equipment Short Description	MI_EQUIP000_EQUIP_LNG_DESC_T -AND- MI_EQUIP000_EQUIP_SHRT_DESC_C
Active	IS_ACTIVE_FLAG	Active	MI_EQUIP000_ACTIVE_F
Equipment Serial Number	EQP_SERIAL_NUMBER	Serial Number	MI_EQUIP000_SN_C
Asset Serial Number	SERIAL_NUMBER	Asset Serial Number	MI_EQUIP000_ASSET_SERIAL_NBR_C

Oracle EBS eAM Interface Label	Oracle EBS eAM Internal ID	Meridium APM Equipment Field Caption	Meridium APM Equipment Field ID
Asset Number	INSTANCE_ NUMBER -AND- PARENT_ INSTANCE_ NUMBER[1]	Equipment ID -AND- Equipment Technical Number	MI_EQUIP000_ EQUIP_ID_C -AND- MI_EQUIP000_ EQUIP_TECH_ NBR_C
None. This value is not visible in the Oracle EBS eAM interface.	LAST_UPDATE_ DATE	CMMS Last Changed Date	MI_EQUIP000_ CHANGE_DATE_ D
Maintainable	MAINTAINABLE_ FLAG	Maintainable	MI_EQUIP000_ MAINTAINABLE_ F
Owning Department	OWNING_ DEPARTMENT	Owning Department	MI_EQUIP000_ OWNING_DEPT_ C
Owning Department Internal ID	OWNING_ DEPARTMENT_ID	Owning Department Internal ID	MI_EQUIP000_ OWNING_DEPT_ ID_C
Owning Department Description	OWNING_ DEPARTMENT_ DESC	Owning Department Description	MI_EQUIP000_ OWNING_DEPT_ DESC_C
WIP Accounting Class	WIP_ ACCOUNTING_ CLASS_CODE	WIP Accounting Class	MI_EQUIP000_ WIP_ACCONT_ CLASS_C

If the Oracle EBS eAM Asset Number belongs to equipment, the Asset Number will be mapped to the Equipment ID field in the Equipment record. In addition, if the Asset Number identifies equipment that has a parent location in Oracle EBS eAM, the Functional Location field and the Functional Location Description field in the Equipment record will also be populated with the Asset Number and Asset Description, respectively, of that location.

Constant Values

In addition to the values that are mapped from Oracle EBS eAM to Meridium APM Equipment records, several values are used during the data transfer process and are defined as constants in the CMMS Mapping records that are linked to the CMMS Interface record

for the Equipment Extraction Interface. These constant values are outlined in the following table.

Element Type	Element Field	Constant Value
InputParameters	MAX_ROWS	100
SOAHeader	NLSLanguage	AMERICAN
SOAHeader	Org_Id	996
SOAHeader	RespApplication	EAM
SOAHeader	Responsibility	EAM_OPM_ASSET_MANAGEMENT
SOAHeader	ResponsibilityApplName	EAM
SOAHeader	ResponsibilityName	Enterprise Asset Management, Process
SOAHeader	SecurityGroup	STANDARD
SOAHeader	SecurityGroupName	STANDARD

Oracle EBS eAM Values Mapped to Functional Location Records

The following tables explain the values that are used to populate Functional Location fields when you run the Functional Location Extraction Interface.

Values Mapped From Oracle EBS eAM

Oracle EBS eAM Interface Label	Oracle EBS eAM Internal ID	Meridium APM Functional Location Field Caption	Meridium APM Functional Location Field ID
Area Internal ID	AREA_ID	Area Internal ID	MI_FNCLOC00_AREA_CODE_C
Area	AREA	Area	MI_FNCLOC00_AREA_ID_C
Area Description	AREA_DESCRIPTION	Area Description	MI_FNCLOC00_AREA_DESC_C
Criticality Internal ID	ASSET_CRITICALITY	Criticality Internal ID	MI_FNCLOC00_CRTCAL_IND_C
Criticality	ASSET_CRITICALITY_CODE	Criticality Indicator	MI_FNCLOC00_CRTCAL_IND_D_C
Asset Group Description	ASSET_GROUP_DESCRIPTION	Asset Group Description	MI_FNCLOC00_ASSET_GROUP_DESC_C
Asset Category	ASSET_CATEGORY_ID	Category	MI_FNCLOC00_CATEG_C
Asset Category Description	CATEGORY_NAME	Category Description	MI_FNCLOC00_CATEG_D_C
Asset Group	CONCATENATED_SEGMENTS	Asset Group	MI_FNCLOC00_ASSET_GROUP_C
Asset Route	ASSET_ROUTE	Asset Route	MI_FNCLOC00_ASSET_ROUTE_C
None. This value is not visible in the Oracle EBS eAM interface.	CREATION_DATE	CMMS Creation Date	MI_FNCLOC00_CREATE_DATE_D

Oracle EBS eAM Interface Label	Oracle EBS eAM Internal ID	Meridium APM Functional Location Field Caption	Meridium APM Functional Location Field ID
Organization Internal ID	CURRENT_ORGANIZATION_ID	Organization Internal ID	MI_FNCLOC00_ORGAN_INTER_ID_C
Organization	INV_ORGANIZATION_CODE	Organization	MI_FNCLOC00_ORGANIZATION_C
Organization Description	ORGANIZATION_NAME	Organization Description	MI_FNCLOC00_ORGAN_DESC_C
Asset Description	DESCRIPTIVE_TEXT	Equipment Long Description -AND- Equipment Short Description	MI_FNCLOC00_FNC_LOC_LNG_DESC_C -AND- MI_FNCLOC00_FNC_LOC_DESC_C
Asset Serial Number	SERIAL_NUMBER	Asset Serial Number	MI_FNCLOC00_ASSET_SERIAL_NBR_C
Asset Number	INSTANCE_NUMBER	Functional Location -AND- Functional Location Internal ID	MI_FNCLOC00_FNC_LOC_C -AND- MI_FNCLOC00_INTERNAL_ID_C
Parent Asset Number[1]	PARENT_INSTANCE_NUMBER	Superior Function Location	MI_FNCLOC00_SUPR_FNC_LOC_C
Active	IS_ACTIVE_FLAG	Active	MI_FNCLOC00_ACTIV_F
None. This value is not visible in the Oracle EBS eAM interface.	LAST_UPDATE_DATE	CMMS Last Changed Date	MI_FNCLOC00_CHANGE_DATE_D

Oracle EBS eAM Interface Label	Oracle EBS eAM Internal ID	Meridium APM Functional Location Field Caption	Meridium APM Functional Location Field ID
Maintainable	MAINTAINABLE_FLAG	Maintainable	MI_FNCLOC00_MAINTAINABLE_F
Owning Department	OWNING_DEPARTMENT	Owning Department	MI_FNCLOC00_OWNING_DEPT_C
Owning Department Internal ID	OWNING_DEPARTMENT_ID	Owning Department Internal ID	MI_FNCLOC00_OWNING_DEPT_ID_C
Owning Department Description	OWNING_DEPARTMENT_DESC	Owning Department Description	MI_FNCLOC00_OWNING_DEPT_DESC_C
WIP Accounting Class	WIP_ACCOUNTING_CLASS_CODE	WIP Accounting Class	MI_FNCLOC00_WIP_ACCONT_CLASS_C

If the Oracle EBS eAM Asset Number belongs to a location that has a parent location, the Asset Number of the *child* location will be mapped to the Functional Location field in the Functional Location record. In addition, the Asset Number of the parent location in Oracle EBS eAM will be mapped to the Superior Function Location field in the Meridium APM Functional Location record.

Constant Values

In addition to the values that are mapped from Oracle EBS eAM to Meridium APM Functional Location records, several values are used during the data transfer process and are defined as constants in the CMMS Mapping records that are linked to the CMMS Interface record for the Functional Location Extraction Interface. These constant values are outlined in the following table.

Element Type	Element Field	Constant Value
InputParameters	MAX_ROWS	100
SOAHeader	NLSLanguage	AMERICAN
SOAHeader	Org_Id	996
SOAHeader	RespApplication	EAM

Element Type	Element Field	Constant Value
SOAHeader	Responsibility	EAM_OPM_ASSET_MANAGEMENT
SOAHeader	ResponsibilityApplName	EAM
SOAHeader	ResponsibilityName	Enterprise Asset Management, Process
SOAHeader	SecurityGroup	STANDARD
SOAHeader	SecurityGroupName	STANDARD

Oracle EBS eAM Values Mapped to Work History Records

The following tables explain the values that are used to populate Work History fields when you run the Work History Extraction Interface.

Values Mapped From Oracle EBS eAM

Oracle EBS eAM Interface Label	Oracle EBS eAM Internal ID	Meridium APM Work History Field Caption	Meridium APM Work History Field ID
Work Order Description	WO_ DESCRIPTION	Order Descrip-tion -and- Event ID Descrip-tion	MI_EVWKHIST_ ORDR_DESC_C -and- MI_EVENT_ SHRT_DSC_CHR
Order Internal ID	WORK_ ORDER_ID	Event ID	MI_EVENT_ID
Asset Number	INSTANCE_ NUMBER -and- PARENT_ INSTANCE_ NUMBER[1]	Equipment ID -and- Location ID[1]	MI_EVENT_ ASST_ID_CHR -and- MI_EVENT_LOC_ ID_CHR[1]
Asset Description	WO_ASSET_ DESCRIPTION	Equipment Short Descrip-tion -and- Location Short Description[2]	MI_EVENT_ ASST_DESC_CHR -and- MI_EVENT_LOC_ SHRT_DESC_ CHR[2]
Scheduled Start Date	SCHEDULED_ START_DATE	Scheduled Start Date	MI_EVWKHIST_ SCHED_START_ D
Scheduled Completion Date	SCHEDULED_ COMPLETION_ DATE	Scheduled Com-pletion Date	MI_EVWKHIST_ SCHED_COMPL_ D

Oracle EBS eAM Interface Label	Oracle EBS eAM Internal ID	Meridium APM Work History Field Caption	Meridium APM Work History Field ID
Status	WORK_ ORDER_ STATUS	Order User Status	MI_EVWKHIST_ ORDR_USER_ STAT_C
Work Order Type	WORK_ ORDER_TYPE	Order Type Code	MI_EVWKHIST_ ORDR_TYP_CD_ C
Work Order Type Description	WORK_ ORDER_TYPE_ DISP	Order Type Description	MI_EVWKHIST_ ORDR_TYP_ DESC_C
Priority	PRIORITY	Order Priority	MI_EVWKHIST_ ORDR_PRTY_C
Priority Description	PRIORITY_ DISP	Order Priority Description	MI_EVWKHIST_ ORDR_PRTY_ DESC_C
None. This value is not visible in the Oracle EBS eAM interface.	ASSET_ ACTIVITY	Asset Activity	MI_EVWKHIST_ ASSET_ACTIV_C
None. This value is not visible in the Oracle EBS eAM interface.	ASSET_ ACTIVITY_ DESCRIPTION	Asset Activity Description	MI_EVWKHIST_ ASSET_ACTIV_ DESC_C
None. This value is not visible in the Oracle EBS eAM interface.	ASSET_ ACTIVITY_ID	Asset Activity Internal ID	MI_EVWKHIST_ ASSET_ACTIV_ ID_C
Activity Type	ACTIVITY_TYPE	Order PM Activity Type	MI_EVWKHIST_ ORDR_PM_ACT_ C
Activity Type Description	ACTIVITY_ TYPE_DISP	Order PM Activity Type Description	MI_EVWKHIST_ ORDR_PM_ACT_ DESC_C
Activity Cause	ACTIVITY_ CAUSE	Activity Cause	MI_EVWKHIST_ ACTIV_CAUSE_C
Activity Cause Description	ACTIVITY_ CAUSE_DISP	Activity Cause Description	MI_EVWKHIST_ ACTIV_CAUSE_ DESC_C

Oracle EBS eAM Interface Label	Oracle EBS eAM Internal ID	Meridium APM Work History Field Caption	Meridium APM Work History Field ID
Activity Source	ACTIVITY_ SOURCE	Detection Method Code	MI_EVWKHIST_ DETCT_MTHD_ CD_C
Activity Source Description	ACTIVITY_ SOURCE_ MEANING	Detection Method Descrip-tion	MI_EVWKHIST_ DETCT_MTHD_ DESC_C
Failure Entry Required	FAILURE_ CODE_ REQUIRED	Functional Loss Code	MI_EVWKHIST_ FNCTNL_LOSS_ CD_C
System Status	WORK_ ORDER_ STATUS_ PENDING	Order System Status	MI_EVWKHIST_ ORDR_SYS_ STAT_C
Actual Cost	ACTUAL_ TOTAL_COST	Maintenance Cost	MI_EVWKHIST_ MAINT_CST_N
Material Cost	ACTUAL_ MATERIAL_ COST	Actual Material Cost	MI_EVWKHIST_ ACT_MTRL_ COST_N
Labor Cost	ACTUAL_ LABOR_COST	Actual Labor Cost	MI_EVWKHIST_ ACT_LABOR_ COST_N
Equipment Cost	ACTUAL_ EQUIPMENT_ COST	Actual Equip-ment Cost	MI_EVWKHIST_ ACT_EQUIP_ COST_N
Actual Start Date	ACTUAL_ START_DATE	Maintenance Start Date	MI_EVWKHIST_ MAINT_START_D
Actual End Date	DATE_ COMPLETED	Maintenance Completion Date	MI_EVWKHIST_ MAINT_COMPL_ D
WO Created By	WO_ CREATED_BY	Created By	MI_EVENT_ CRTED_BY_CHR
Work Order Description	WO_ DESCRIPTION	Event Short Description	MI_EVENT_ SHRT_DSC_CHR

Oracle EBS eAM Interface Label	Oracle EBS eAM Internal ID	Meridium APM Work History Field Caption	Meridium APM Work History Field ID
None. This value is not visible in the Oracle EBS eAM interface.	WO_CREATION_DATE	Order Creation Date	MI_EVWKHIST_ORDR_CRT_DT_D
None. This value is not visible in the Oracle EBS eAM interface.	WO_LAST_UPDATE_DATE	Order Last Change Date	MI_EVWKHIST_ORDR_CHNG_DT_D

If the Oracle EBS eAM Asset Number belongs to a location, the Asset Number will be mapped to the Location ID field in the Work History record. Likewise, if the Oracle EBS eAM Asset Number belongs to equipment, the Asset Number will be mapped to the Equipment ID field in the Work History record. In addition, if the Asset Number identifies equipment that has a parent location in Oracle EBS eAM, the Location ID field in the Work History record will also be populated with the Asset Number of that location.

If the Oracle EBS eAM Asset Description belongs to a location, the Asset Description will be mapped to the Location Short Description field in the Work History record. Likewise, if the Oracle EBS eAM Asset Description belongs to equipment, the Asset Description will be mapped to the Equipment Short Description field in the Work History record. In addition, if the Asset Description identifies equipment that has a parent location in Oracle EBS eAM, the Location Short Description in the Work History record will also be populated with the Asset Description of that location.

Literal Value

When you create Work History records using the Work History Extraction Interface, the Maintenance Cost UOM field will be populated automatically with the value *USD*.

Constant Values

In addition to the values that are mapped from Oracle EBS eAM to Meridium APM Work History records, several values are used during the data transfer process and are defined as constants in the CMMS Mapping records that are linked to the CMMS Interface record for the Work History Extraction Interface. These constant values are outlined in the following table.

Element Type	Element Field	Constant Value
InputParameters	MAX_ROWS	100
SOAHeader	NLSLanguage	AMERICAN

Element Type	Element Field	Constant Value
SOAHeader	Org_Id	996
SOAHeader	RespApplication	EAM
SOAHeader	Responsibility	EAM_OPM_ASSET_ MANAGEMENT
SOAHeader	ResponsibilityApplName	EAM
SOAHeader	ResponsibilityName	Enterprise Asset Man-agement, Process
SOAHeader	SecurityGroup	STANDARD
SOAHeader	SecurityGroupName	STANDARD

Oracle EBS eAM Values Mapped to Work History Detail Records

The following tables explain the values that are used to populate Work History Detail fields when you run the Work History Detail Extraction Interface.

Values Mapped From Oracle EBS eAM

Oracle EBS eAM Interface Label	Oracle EBS eAM Internal ID	Meridium APM Work History Detail Field Caption	Meridium APM Work History Detail Field ID
Failure Code	FAILURE_CODE	Maintainable Item Code	MI_DTWKHIST_MAINT_ITEM_CD_C
Failure Description	FAILURE_DESCRIPTION	Maintainable Item Description	MI_DTWKHIST_MAINT_ITEM_DESC_C
Cause Code	CAUSE_CODE	Condition Code	MI_DTWKHIST_CNDTN_CD_C
Cause Description	CAUSE_DESCRIPTION	Condition Description	MI_DTWKHIST_CNDTN_DESC_C
Resolution	RESOLUTION_CODE	Maintenance Action Code	MI_DTWKHIST_MAINT_ACTN_CD_C
Resolution Description	RESOLUTION_DESCRIPTION	Maintenance Action Description	MI_DTWKHIST_MAINT_ACTN_DESC_C
Work Order ID	WORK_ORDER_ID	Order ID	MI_DTWKHIST_ORDR_ID_C

Constant Values

In addition to the values that are mapped from Oracle EBS eAM to Meridium APM Work History Detail records, several values are used during the data transfer process and are defined as constants in the CMMS Mapping records that are linked to the CMMS Interface record for the Work History Detail Extraction Interface. These constant values are outlined in the following table.

Element Type	Element Field	Constant Value
InputParameters	MAX_ROWS	100

Element Type	Element Field	Constant Value
SOAHeader	NLSLanguage	AMERICAN
SOAHeader	Org_Id	996
SOAHeader	RespApplication	EAM
SOAHeader	Responsibility	EAM_OPM_ASSET_MANAGEMENT
SOAHeader	ResponsibilityApplName	EAM
SOAHeader	ResponsibilityName	Enterprise Asset Management, Process
SOAHeader	SecurityGroup	STANDARD
SOAHeader	SecurityGroupName	STANDARD

Recommendation Values Mapped to Work Requests

The following tables explain the values that are used to populate Work Request fields when you create Oracle EBS eAM Work Requests from Recommendation records in Meridium APM.

Values Mapped From a Query

Work Request Field	Query[1]	Query Parameters
MAINTENANCE_OBJECT_ID	MAINTENANCE_OBJECT_ID_LOOKUP	enty_id=[MI Recommendation].[MI_REC_ASSET_ID_CHR]
ASSET_NUMBER	ASSET_NUMBER_LOOKUP	entity_id=[MI Recommendation].[MI_REC_ASSET_ID_CHR]
MAINTENANCE_OBJECT_ID	MAINTENANCE_OBJECT_ID_LOOKUP	enty_id=[MI Recommendation].[MI_REC_ASSET_ID_CHR]
ORGANIZATION_ID	ORGANIZATION_ID_LOOKUP	enty_id=[MI Recommendation].[MI_REC_ASSET_ID_CHR]
WORK_REQUEST_MAINTENANCE_OBJECT_TYPE	MAINTENANCE_OBJECT_TYPE_LOOKUP	enty_id=[MI Recommendation].[MI_REC_ASSET_ID_CHR]
WORK_REQUEST_OWNING_DEPT	ORGANIZATION_ID_LOOKUP	entity_id=[MI Recommendation].[MI_REC_ASSET_ID_CHR]
WORK_REQUEST_PRIORITY_ID	PRIORITY_ID_LOOKUP	rec_priority=[MI Recommendation].[MI_REC_PRIORITY_C]

Values Mapped From a Recommendation Field

Work Request Field	Recommendation Field Caption
DESCRIPTION	Work Request Reference
EXPECTED_RESOLUTION_DATE	Target Completion Date
WORK_REQUEST_ID	Work Request Reference

Work Request Field	Recommendation Field Caption
WORK_REQUEST_NUMBER	Work Request Reference
P_REQUEST_LOG	Recommendation Description

Constant Values

In addition to the values that are mapped from Meridium APM Recommendation records to Oracle EBS eAM, several values are used in the data transfer process and are defined as constants in the CMMS Mapping records that are linked to the CMMS Interface record for the Work Request Creation Interface. These constant values are outlined in the following table.

Element Type	Element Field	Constant Value
APPSWIP_EAM_ WORKREQUEST_PUB_ ROWTY	WORK_REQUEST_TYPE_ID	20
InputParameters	P_API_VERSION	1
InputParameters	P_COMMIT	T
InputParameters	P_INIT_MSG_LIST	T
SOAHeader	NLSLanguage	AMERICAN
SOAHeader	Org_Id	996
SOAHeader	RespApplication	EAM
SOAHeader	Responsibility	EAM_OPM_ASSET_ MANAGEMENT
SOAHeader	ResponsibilityApplName	EAM
SOAHeader	ResponsibilityName	Enterprise Asset Management, Process
SOAHeader	SecurityGroup	STANDARD
SOAHeader	SecurityGroupName	STANDARD

CMMS Interface Record

Represents an interface that is included in the Oracle EBS eAM Interfaces and is used to identify:

- How the Meridium APM system will communicate with the Oracle EBS eAM system.
- Which interface the record supports, which indicates the type of Oracle EBS eAM data that will be created or extracted.

CMMS Mapping Record

Used to identify how values will be mapped and which values will be mapped between the Meridium APM system and the Oracle EBS eAM system.

CMMS System Record

Used to store identifying information about your Oracle EBS eAM system. The baseline Meridium APM database includes a CMMS System record that you can use as a starting point for identifying your Oracle EBS eAM system.

Equipment Extraction Interface

Allows you to extract data about equipment from your Oracle EBS eAM system and import them into your Meridium APM system as Equipment records.

Functional Location Extraction Interface

Allows you to extract data about locations from your Oracle EBS eAM system and import them into your Meridium APM system as Functional Location records.

Interface Log Record

Created automatically each time an interface is run to store information about the process, such as the status of the process (e.g., Completed with warnings), the date the interface was run, and the parameters that were used to run the interface.

Oracle DB Direct

Allows the Meridium APM Application Server to connect directly to the Oracle EBS eAM Database Server.

Oracle SOA Gateway

Allows the Meridium APM Application Server to connect to the Oracle EBS eAM Database Server through the Oracle web services, which reside on the Oracle EBS eAM Application Server.

Work History Detail Extraction Interface

Allows you to extract Work Order failure information from your Oracle EBS eAM system and import it into your Meridium APM system as Work History Detail records.

Work History Extraction Interface

Allows you to extract Work Orders from your Oracle EBS eAM system and import them into your Meridium APM system as Work History records.

Work Request Creation Interface

Allows you to create and update Work Requests in your Oracle EBS eAM system using values in Recommendation records in your Meridium APM system.