



GE Digital

APM Connect Release Notes

APM Connect Release Notes

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APM Connect Release Notes

These topics contain links to Release Notes for APM Connect.

APM Now EAM SAP Release Notes

EAM SAP Cloud V1.0.1

SAP Adapters - Enhancements - EAM SAP Cloud V1.0.1

The following enhancements have been made to the SAP Adapters in EAM SAP Cloud V1.0.1.

- The SAP Adapters in APM Now now support SSL configuration for ActiveMQ.
(TS ID: 259739)

EAM SAP Cloud V1.0.0

SAP Adapters - New Features - EAM SAP Cloud V1.0.0

The following new features have been added to EAM SAP Cloud V1.0.0

- The SAP Adapters are now available for APM Now. The following extraction adapters are available: Equipment, Functional Location, Work History and Work History Detail, and Notification Management. You can now deploy the adapters to transfer data from your SAP system to your APM Now system. (TS ID: 207886)

Data Loaders Release Notes

DL UDLP V2.4.0

Data Loaders - Resolved Issues - DL UDLP V2.4.0

The following issues existed in the Data Loaders in one or more previous releases and have been resolved in DL UDLP V2.4.0:

- Previously, when a user whose culture setting was not English imported batched data using the Thickness Monitoring Data Loader, the threads created after the first batch did not retain the culture attributes, which caused data error messages in the log. This issue has been resolved. Now, the spawned threads retain the culture attributes and the data loads successfully. (ID TFS:358620)

DL UDLP V2.3.0

Data Loaders - UDLP V2.3.0

- The data loader framework in UDLP V2.3.0 is compatible with APM Connect Base V2.0.0 and GE Digital APM V4.3.0.4.0

DL UDLP V2.2.0

Data Loaders - UDLP V2.2.0

- The data loader framework in UDLP V2.2.0 is compatible with APM Connect Base V2.0.0 and GE Digital APM V4.3.0.3.0

DL UDLP V2.1.0

Data Loaders - UDLP V2.1.0

- The data loader framework in UDLP V2.1.0 is compatible with APM Connect Base V2.0.0 and GE Digital APM V4.3.0.2.0

DL V2.0.1

Data Loaders - DL V2.0.1

The data loader framework in DL V2.0.1 is compatible with APM Connect Base V2.0.0 and GE Digital APM V4.3.0.1.0.

DL V2.0.0

Data Loaders - Enhancements - DL V2.0.0

The following enhancements have been made to the Data Loaders in V2.0.0:

- In the **Data Loader Settings** section of the **APM Connect Configuration** page, you can now specify the port number of the PostgreSQL server. (TS ID: 316096)
- You can now cancel a data loader import job while it is in progress. (TS ID: 316846)

Data Loaders - Resolved Issues - DL V2.0.0

The following issues existed in the Data Loaders in one or more previous releases and have been resolved in DL V2.0.0

- Previously, When using Microsoft Edge browser to download the log files for data loaders, if the download button was selected twice, the browser would close. This issue has been resolved. (TS ID: 244637)

DL V1.6.3

Data Loaders - Resolved Issues - DL V1.6.3

The following issues existed in the Data Loaders in one or more previous releases and have been resolved in DL V1.6.3:

- Previously, when using the RCM Data Loader to load RCM Failure Effects, the following error incorrectly appeared in the log file: "An error occurred while creating or updating RCM FMEA Failure Effect record <X'>. Input string was not in a correct format." This issue has been resolved. (TS ID: 263941)

DL V1.6.2

Data Loaders - Enhancements - DL V1.6.2

The following enhancements have been made to the Data Loaders in DL V1.6.2.

- The APM Connect Data Loaders can now be deployed on a Linux machine. (TS ID: 244376)

DLV1.6.1

Data Loaders - Enhancements - DL V1.6.1

The following enhancements have been made to the Data Loaders in DL V1.6.1.

- The APM Connect connection parameters are now stored in the **Connections** section of **Operations Manager**. (TS ID: 221126)
- You can now use the APM Data Loader to load multiple families and relationships using one workbook. Additionally the Equipment and Functional Data Loader, the Work History Data Loader, and the Taxonomy Data Load architecture has been updated to allow flexible mapping to their respective families. (TS ID: 218678)
- You can now download the data loader workbook templates from the **Data Loaders** section of **Tools**. (TS ID: 216538).
- You can now include reference sheets in the data loaders workbooks. These are sheets that will not be loaded into Meridium Enterprise APM, but can be used to store supplementary information about the data loader. (TS ID: 201811)

Data Loaders - Resolved Issues - DL V1.6.0

The following issues existed in the Data Loaders in one or more previous releases and have been resolved in DL V1.6.0:

- Previously, when using the data loaders, the data load would fail if a worksheet was left blank,. This issue has been resolved. Now, when populating the Excel workbook, all worksheets do not have to be populated with data in order for the data to be loaded into Meridium Enterprise APM. (TS ID: 234034)

DL V1.6.0

Data Loaders - Enhancements - DL V1.6.0

The following enhancements have been made to APM Connect Data Loaders in DL V1.6.0:

- Now, when importing data, after selecting the **Upload** Button, the **Import New** window closes. (TS ID: 223584)
- You can now use the Equipment and Functional Location data loader to specify which site to use when filtering those assets by site in Meridium Enterprise APM. (TS ID: 213171)
- You can now use the APM Data Loader to populate site reference data onto all records in Meridium Enterprise APM that are enabled for site filtering. (TS ID: 214438)
- Log files for the Taxonomy Data Loader are now passed into Meridium Enterprise APM. As a result, you can view load status (e.g., complete, complete with warnings, and complete with errors) from within Meridium Enterprise APM. (TS ID: 203723)

Data Loaders - Resolved Issues - DL V1.6.0

The following issues existed in APM Connect Data Loaders in one or more previous releases and have been resolved in DL V1.6.0:

- Previously, when using the RCM data loader, if the Team Member column on the Excel source workbook was blank, an error occurred. This issue has been resolved. (TS ID: 214565)
- Previously when using the RCM data loader, not all failures were captured in the log file. This issue has been resolved. (TS ID: 211199)
- Previously, after importing Functional Location data into Meridium Enterprise APM using the Equipment and Functional Location Data Loader, blank fields were displayed in the hierarchy. This occurred when a Functional Location record was entered into the source workbook that included a parent FLOC Internal ID, FLOC ID, or CMMS ID that did not exist in the database or in the template. This issue has been resolved.

Now if a record on the Functional Location worksheet does not have a superior functional location identified, then the record will be populated in Meridium Enterprise APM, and will appear in the Asset Hierarchy at the Home level. Additionally, if a record on the Functional Location worksheet does have a superior functional location identified, then the record will be populated in Meridium Enterprise APM, and will appear in the Asset Hierarchy under the superior functional location level. (TS ID: 183470)

DL V1.5.5

Data Loaders - Resolved Issues - DL V1.5.5

The following issues existed in APM Connect Data Loaders in one or more previous releases and have been resolved in DL V1.5.5:

- Previously, when importing data using non-Latin characters, these characters were improperly converted when loading data into Meridium Enterprise APM. This issue has been resolved. Now, these characters are converted properly into readable fields. (TS ID: 226307)

DL V1.5.4

Data Loaders - Enhancements - DL V1.5.4

The following enhancements have been made to the Data Loaders in DL V1.5.4

- Log files are now easier to read and are available without having to leave the application. (TS ID: 193764)

Data Loaders - Resolved Issues - DL V1.5.4

The following issues existed in the Data Loaders in one or more previous releases and have been resolved in V1.5.4:

- Previously, when loading risk matrices with aliases using the RCM or FMEA Data Loader, risk values were loaded, but they did not display the correct alias. This issue has been resolved. Now when loading risk matrices with aliases, descriptions are populated correctly. (TS ID: 200666)
- Previously, when the FMEA data loader was used to import FMEA data, only the default matrix was being loaded into Meridium Enterprise APM. This issue has been resolved. Now, you can use the FMEA data loader to load custom matrices. (TS ID: 204186)
- Previously, when the RCM data loader was used to import RCM data, only the default matrix was loaded into Meridium Enterprise APM. This issue has been resolved. Now, you can use the RCM data loader to load custom matrices. (TS ID: 207540)
- Previously, when loading data using the Thickness Monitoring Data Loader, the fields did not accept decimals. If a decimal value was entered into the source workbook, then the data would not be populated in Meridium Enterprise APM. This issue has been resolved. Now, when you enter decimal values into the source workbook, the values will be loaded successfully into Meridium Enterprise APM. (TS ID: 200379)
- Previously, when loading data using the RCM Data Loader or the FMEA Data Loader, the **Mitigated Risk Rank** field on the associated Recommendation record was not populated. As a result, the Risk Matrix on the Recommendation record displayed a blank value. The Mitigated Risk data for each Risk Matrix category was loaded correctly, but the sum of each category, the Mitigated Risk Rank, was not being populated. This issue has been resolved. Now when you load data using the RCM or the FMEA Data Loader, the **Mitigated Risk Rank** field is populated successfully. (TS ID: 195111)
- Previously, when importing data using the data loaders, if the Excel file extension used upper case letters, the data load would fail. This issue has been resolved. Now the data loader accepts file with upper case extensions. (TS ID: 197445)

- Previously, when importing data using the data loaders, dates were not converted properly when importing the source workbook. This issue has been resolved. (TS ID: 196187)

Data Loaders - Obsolete Features - DL V1.5.4

The following Data Loader items are no longer used in Meridium Enterprise APM:

- Loading the Asset Strategy data model using the Asset Strategy Optimization Data Loader is no longer available. (TS ID: 199472)

DL V1.5.3

Data Loaders - Resolved Issues - DL V1.5.3

The following issues existed in the APM Connect Data Loaders in one or more previous releases and have been resolved in DL V1.5.3:

- Previously, when using the Inspection Management Data Loader to import Full or General Inspections, if the Status field was set to Approved and the Final Inspection Lock was set to False, the system would end the data load. This issue has been resolved. Now, in this scenario, an error appears in the Data Loader log, indicating that the Inspection was skipped. (TS ID: 202055)
- You can now update Inspection Recommendations imported through the Inspection Management Data Loader for one Asset or Functional Location during the data import process. (TS ID: 201971)
- Previously, when loading risk matrices with aliases using the RCM or FMEA Data Loader, risk values were loaded, but they did not display the correct alias. This issue has been resolved. Now when loading risk matrices with aliases, descriptions are populated correctly. (TS ID: 200666)
- Previously, when loading data using the Thickness Monitoring Data Loader, the fields did not accept decimals. If a decimal value was entered into the source workbook, then the data would not be populated in Meridium Enterprise APM. This issue has been resolved. Now, when you enter decimal values into the source workbook, the values will be loaded successfully into Meridium Enterprise APM. (TS ID: 200379)
- Previously, when loading data using the RCM Data Loader or the FMEA Data Loader, the **Mitigated Risk Rank** field on the associated Recommendation record was not populated. As a result, the Risk Matrix on the Recommendation record displayed a blank value. The Mitigated Risk data for each Risk Matrix category was loaded correctly, but the sum of each category, the Mitigated Risk Rank, was not being populated. This issue has been resolved. Now when you load data using the RCM or the FMEA Data Loader, the **Mitigated Risk Rank** field is populated successfully. (TS ID: 195111)

DL V1.5.2

Data Loaders - New Features - DL V1.5.2

- You can now link or unlink AMS Asset records in Meridium Enterprise APM to Equipment or Functional Location records using the Asset to Tag Data Loader. The data loader enables you to create or remove links between multiple records at one time. (TS ID: 182533)

Data Loaders - Resolved Issues - DL V1.5.2

- Previously, when importing a new source file the on the Import New window, the drop-down box was labeled Select Work Process Adapter. To avoid confusion, the drop-down box is now labeled Select Data Loader. (TS ID: 187640)
- Previously, when loading RCM or FMEA data, Recommendation records were not linked to the specified assets. This issue has been resolved. Now, when you load data using the RCM or FMEA Data Loader, Recommendations are linked to assets as expected. (TS ID: 183688)
- Previously, when an error was logged in the data loader log file the message displayed by the Interface Log record was misleading. This issue has been resolved. Now when an error is logged, the Interface Log record is updated to either error, complete with error, warning, or complete with warning. (TS ID: 182655)
- Previously, the Interface Log record recorded incorrect numbers of records processed and rejected. This issue has been resolved. Now the Interface Log record is populated with accurate values of records processed and rejected. (TS ID: 182651)

Data Loaders - Enhancements - DL V1.5.2

- Now the Data Loaders allow SSL to be configured for the Meridium Enterprise APM server. (TS ID: 187441)


DL V1.5.0

Data Loaders - Enhancements - DL V1.5.0

The following enhancements have been made to the APM Connect Data Loaders in V1.5.0:

- The Rounds Data Loaders have been introduced.

The Rounds Data Loaders allow users to load data required for the initial set up of Templates, Routes and Readings in the Rounds module, and to perform ongoing updates of Routes and Readings to the Rounds module in Meridium Enterprise APM. Users can load data from other external systems into the Rounds module via the data loader workbook.

 **Note:** In this release, the Rounds Data Loaders only support Template Groups and Routes without Conditions.

(TS ID: 177437, 171287, 177229, 177231)

- The ACA Data Loader has been introduced.

The ACA Data Loader allows existing or new Asset Criticality Analyses to be delivered to the ACA module in Meridium Enterprise APM for further development, analysis or implementation. You can load data from other external systems into the ACA module via the data loader workbook. You can upload any existing analyses with updated risk assessment data that has been assessed outside the Meridium Enterprise APM application.

(TS ID: 66953, 177061)

- The RBI 580 Data Loader has been introduced. This feature is designed to allow you to import and create records for the following families:

- Criticality RBI Component – Cylindrical Shell
- Criticality RBI Component – Exchanger Bundle
- Criticality RBI Component – Exchanger Header
- Criticality RBI Component – Exchanger Tube
- Criticality RBI Component – Piping
- Criticality RBI Component – Tank Bottom
- RBI Criticality Analysis
- Consequence Evaluation
- Criticality Env. Crack. Deg. Mech. Eval. (Environmental Cracking)
- Criticality Ext. Corr. Deg. Mech. Eval. (Exterior Corrosion)
- Criticality Int. Corr. Deg. Mech. Eval. (Internal Corrosion)
- Criticality Other Damage Mech. Eval. (Other Damage)

Using the RBI 580 Data Loader, you can create or update up to 500 components at a time, allowing your organization to efficiently add data to your Meridium Enterprise APM database from other sources. (TS ID: 177051)

- The Calibration Data Loader has been introduced.

You can use this feature to:

- Import existing legacy calibration data into Meridium Enterprise APM so that you can retain visibility into previous performance and compare that performance with the current and the projected future performance.
- Import calibration data from a documenting process calibrator that is not supported by Meridium Enterprise APM.

After you import the data, Meridium Enterprise APM creates the necessary records and their relationships in Calibration Management based on the data model.

(TS ID: 175307)

- The PLA Data Loader has been introduced.

You can use this feature to import data from external sources into the PLA module. The data imported by the PLA Data Loader allows you to:

- Access Production Plans
- View Production Data that is associated with the Production Plan
- View unaccounted losses, as well as losses that have been accounted for, which are associated with the production data details.

(TS ID: 170074)

- The RCA Data Loader tool has been introduced.

The Root Cause Analysis (RCA) data loader allows both primary and third party content to be delivered to Meridium Enterprise APM through either the RCA Data Model or through the RCA Logic Tree Data Model. The imported data can then be used to maintain relationships between the RCA data and the Failure Modes and Hypotheses. The RCA data loader transfers data from a fixed-format Excel document into either the RCA Data Model or the RCA Logic Tree. The imported data can be:

- An RCA Analysis.
- An RCA Event.
- A Failure Mode.
- A Logic Gate.
- An RCA Hypothesis.
- An RCA Diagram/Analysis Relationship.

(TS ID: 170022)

- The ASM Data Loader has been introduced.

The ASM Data Loader serves the following purposes:

- Provides functional equivalence with Meridium APM V3.x, enabling existing or new Asset Strategies to be imported into the ASM module for further development, analysis, and implementation.

- Provides users with a more effective Meridium Enterprise APM experience because the loaded content will be searchable and usable within the various Meridium Enterprise modules.
- Enables users to upload Asset Strategies for storage and to create templates in ASM that can be applied to one or more assets as a repeatable process.

After the data load, you can access the imported strategies, which will contain details such as when they were uploaded and by whom they were created, open them in ASM and use them in your workflows. (TS ID: 160688).

Data Loaders - Resolved Issues - DL V1.5.0

Previously, when you ran a data import job using the Foundation Equipment and Functional Location Data Loader, the Equipment records would not appear as linked to Functional Location records in the Asset Hierarchy. This issue has been resolved. Now, after running an Equipment/Functional Location job, linked Functional Location records will appear in the Asset Hierarchy and linked to assets and analyses as expected. (TS ID: 181266)

DL V1.4.1

Data Loaders - Resolved Issues - DL V1.4.1

The following issues existed in APM Connect Data Loaders in one or more previous releases and have been resolved in DL V1.4.1:

- Previously, when loading data using the Inspection Management Checklist Data Loader, the Degradation Mechanism, Type of Inspection, and Extent or Inspection Confidence fields in the source workbook were incorrectly designated as required. This issue has been resolved. Now, these fields are no longer required when populating the source workbook to load Inspection Management data into Meridium Enterprise APM. (TS ID: 195726)

DL V1.4.0

Data Loaders - New Features - DL V1.4.0

The following new features have been added to DL V1.4.0:

- Beginning in V1.4.0, the APM Connect Data Loaders support the loading of Inspection Management and Thickness Monitoring data into Meridium Enterprise APM.

Data Loaders - Resolved Issues - DL V1.4.0

The following issues existed in the APM Connect Data Loaders in one or more previous releases and have been resolved in DL V1.4.0:

- Previously, you used the Data Loaders to load RCM data into Meridium Enterprise APM, a validation error would occur in which the Consequence Financial data value rendered "--" (double dashes). This issue has been resolved. (TS ID: 163323)

Maximo Adapters Release Notes

Maximo UDLP V2.3.0

Maximo Adapters - Enhancements - UDLP V2.3.0

The following enhancements have been made to the Maximo Adapters in UDLP V2.3.0.

- The Maximo Adapter now sends notifications to multiple Maximo systems. To facilitate this enhancement, the following fields have been added to the EAM System family:
 - Web Service URL
 - Language
 - Service Request Family Name
 - Work Order Family Name
 - Create WO or SR
 - Default Site Id

(ID: US209729)

- Taxonomy Mapping between the GE Digital APM system and the Maximo system now matches the Taxonomy structure for assets in the GE Digital APM system. To facilitate this enhancement:
 - The Object Type field in the GE Digital APM system is mapped to the Classification field in the Maximo system.
 - The Object Type Description field in the GE Digital APM system is mapped to the Class Description field in the Maximo system.

(IDs: US209707, US209705)

Maximo Adapters - Resolved Issues - UDLP V2.3.0

The following issues, which existed in the Maximo Adapters in one or more previous releases, have been resolved in UDLP V2.3.0.

- Previously, when you ran the Maximo Equipment Adapter, the CMMS Last Changed Date value was not imported into GE Digital APM. This issue has been resolved. (ID: TFS347978)

- Previously, the .csv table was not deleted in the Intermediate Repository database after the GE Digital APM system processed the data in the table. This issue has been resolved. To facilitate this fix, the APM Connect jobs have been modified. (ID: DE59797)

- Previously, the following Maximo extraction interfaces did not support a wildcard character:
 - Equipment
 - Functional Location
 - Service Request
 - Work History
 - Work History Detail
 - Work Order

This issue has been resolved. (ID: DE58541)

Maximo UDLP V2.2.0

Maximo Adapters - Enhancements - UDLP V2.2.0

The following enhancements have been made to the Maximo Adapters in UDLP V2.2.0:

- The Maximo Work History Interface has been enhanced such that, when you import Work History records to GE Digital APM, the following fields are populated with values from the records in the Maximo system:

Field in Work History Records in GE Digital APM	Field in Work History Records in Maximo System
Request ID	ORIGRECORDID
Request Type Code	ORIGRECORDCLASS

(ID: TFS327246)

- The Maximo Foundation Adapter is now supported in the APM Unified cloud environment. (IDs: TFS343095, TFS260306)

Maximo Adapters - Resolved Issues - UDLP V2.2.0

The following issues, which existed in the Maximo Adapters in one or more previous releases, have been resolved in UDLP V2.2.0.

- Previously, when you created a Work Order or Service Request in the Maximo system from the GE Digital APM system, the value in the **Asset** box in the Maximo system was blank due to incorrect field mapping between the two systems. This issue has been resolved. (IDs: TFS342801, TFS342668)
- Previously, in the Work History record in the GE Digital APM system, the value in the **Calculated Priority** box did not match the value in the **Asset/Location Priority** box in the Maximo system due to incorrect field mapping between the two systems. This issue has been resolved. (ID: TFS337613)
- Previously, in the Work History record in the GE Digital APM system, the box next to the **Order Priority** box did not inherit its value from the **Priority Justification** box in the Maximo system. This occurred due to incorrect field mapping between the two systems. This issue has been resolved. (ID: TFS337619)

EAM MAX V2.0.0

Maximo Adapters - EAM MAX V2.0.0

The Maximo Adapters in EAM MAX V2.0.0 are compatible with APM Connect Base V2.0.0 and GE Digital APM V4.3.0.0.0.

EAM MAX V1.1.2

Maximo Adapters - Resolved Issues - EAM MAX V1.1.2

The following issue existed in the Maximo Adapters in one or more previous releases and has been resolved in EAM MAX V1.1.2:

- Previously, when an asset record failed in the Equipment or Functional Location interface with Maximo version 7.6, additional asset records may have been incorrectly logged as failures. This issue has been resolved. (TS ID: 263950)

EAM MAX V1.1.0

Maximo Adapters - Enhancements - EAM MAX V1.1.0

The following enhancements have been made to the Maximo Adapters in EAM MAX V1.1.0:

- The Maximo Adapters will now populate the Site Reference Key on asset records. The Site Reference Key is used to determine by which site a record will be filtered. (TS ID: 214912)

EAM MAX V1.0.0

Maximo Adapters - Enhancements - EAM MAX V1.0.0

- Available in EAM MAX 1.0.0 are the Maximo Adapters for Equipment, Functional Location, Work History, and Service Request and Work Order generation. These adapters allow you to transfer records between your Maximo system and Meridium Enterprise APM. (TS ID: 179822)

SAP Adapters Release Notes

SAP UDLP V2.4.0

SAP Adapters - Enhancements - UDLP V2.4.0

The following enhancements have been made to SAP Adapters in UDLP V2.4.0:

- This release provides a combination ABAP Service Pack which allows you to run SAP Adapters supported by GE Digital APM V3.6.x and GE Digital APM V4.3.x. Information on how to use the package is available from GE Support Services. (ID: TFS355457)
- When the system creates a Work Order from Maintenance Plan for Task Lists that contain Operations with long text, the Work Order now contains the long text from the **Operations** section. (ID: TFS339151)

SAP Adapters - Resolved Issues - UDLP V2.4.0

The following issue existed in SAP Adapters in one or more previous releases and has been resolved in SAP UDLP V2.4.0.

- Previously, when creating a Notification record, the Functional Location Label in the ASI package was not updated. This issue has been resolved. Now, the Functional Location Label is updated correctly. (ID: TFS358717)
- Previously, the Work History template contained incorrect sample data in the Work History Detail worksheet. This issue has been resolved. Now, the template columns contain the correct data. (ID: TFS357831)
- Previously, during an SAP batch load, when APM Connect received a record with corrupt data, the load job failed. This issue has been resolved. Now, only the corrupt record fails to load and the failing record is logged in the Failure log table. (ID: TFS356452)
- Previously, when extracting multiple Notification or Work Order records, GE Digital APM did not display the first cause code. This issue has been resolved. Now, when you extract multiple Notification or Work Order records, GE Digital APM displays the first cause code and first cause code description. (ID: TFS354985)
- Previously, when migrating from GE Digital APM V3.x to GE Digital APM V4.x versions prior to 4.3.0.5.0, customizations that added activities were not maintained; you were required to change the ABAP package. This issue has been resolved. Now, if you migrate from GE Digital APM V3.x to GE Digital APM 4.3.0.5.0, any customizations that add activities will remain in place without you changing the ABAP package. (ID: TFS349683)

SAP UDLP V2.3.0

SAP Adapters - Resolved Issues - UDLP V2.3.0

The following issues, which existed in the SAP Adapters in one or more previous releases, have been resolved in UDLP V2.3.0.

- Previously, when using SFTP as the file transfer mode, the Technical Characteristics job failed. This issue has been resolved. (ID: TFS350563)
- Previously, when importing a Maintenance Plan containing both Equipment and Functional Location records from SAP, the resulting SAP Task List only displays Maintenance Items from the Equipment. This issue has been resolved. (ID: TFS345518)
- Previously, on the **Criticality Mapping** datasheet in the GE Digital APM system, when you entered a value in the **CMMS ID** box for the RFC connection type, the Indicator field was not populated with a value. This issue has been resolved. (ID: DE60307)
- Previously, the .csv table was not deleted in the Intermediate Repository database after the GE Digital APM system processed the data in the table. This issue has been resolved. To facilitate this fix, the APM Connect jobs have been modified. (ID: DE59797)

SAP UDLP V2.2.1

SAP Adapters - Resolved Issues - UDLP V2.2.1

The following issues, which existed in the SAP Adapters in one or more previous releases, have been resolved in UDLP V2.2.1.

- Previously, in a cloud environment, data loaded using the Unified Asset Ingestion data loader did not load the assets into the Predix database. This issue has been resolved. Now, the assets load correctly. (ID: TFS3543322)

SAP UDLP V2.2.0

SAP Adapters - Enhancements - UDLP V2.2.0

The following enhancements have been made to the SAP Adapters in SAP UDLP V2.2.0:

- The GE Digital APM system now processes the Enterprise Asset Management (EAM) Notification Request in the local time zone. To facilitate this enhancement, the following fields have been added to the Recommendation family:
 - EAM Reference Creation Date
 - EAM Reference Change Date

(ID: TFS339614)

- The GE Digital EAM Interfaces with SAP now import the following reference date fields into the GE Digital APM families as a string value that will represent the actual value displayed in the SAP system. These fields are available to be added to datasheets, as needed.

Extraction Interface	Reference Date Fields
Equipment	<ul style="list-style-type: none"> • EAM Reference Creation Date • EAM Reference Last Changed Date • EAM Reference Last Overhauled Date • EAM Reference Purchase Date • EAM Reference Valid From Date • EAM Reference Warranty Expiration Date
Functional Location	<ul style="list-style-type: none"> • EAM Reference Creation Date • EAM Reference Last Changed Date • EAM Reference Last Overhauled Date

Work History	<ul style="list-style-type: none"> • EAM Reference Creation Date • EAM Reference Event Start Date • EAM Reference Maintenance Completion Date • EAM Reference Maintenance Start Date • EAM Reference Mechanically Available Date • EAM Reference Mechanically Unavailable Date • EAM Reference Order Creation Date • EAM Reference Order Last Change Date • EAM Reference Order Reference Date • EAM Reference Request Creation Date • EAM Reference Request Last Change Date • EAM Reference Scheduled Completion Date • EAM Reference Scheduled Start Date • EAM Reference Target Completion Date • EAM Reference Target Start Date
Work History Detail	<ul style="list-style-type: none"> • EAM Reference Creation Date • EAM Reference Last Changed Date
Work Management	<ul style="list-style-type: none"> • EAM Reference Creation Date • EAM Reference Last Changed Date • EAM Reference Last Date • EAM Reference Next Date

(ID: TFS341707)

- The SAP system now prevents access to GE Digital APM function modules that are not remote-enabled modules. To facilitate this enhancement, Function Module (FM) security has been added to the Remote Function Call (RFC) connector. (ID: TFS342475)

SAP Adapters - Resolved Issues - UDLP V2.2.0

The following issue existed in SAP Adapters in one or more previous releases and has been resolved in SAP UDLP V2.2.0.

- Previously, when you imported an Inspection Task or a Calibration Task from the SAP system, an incorrect value appeared in the SAP Creation Date field and the SAP Last Changed Date field in the GE Digital APM system. This issue has been resolved. (ID: TFS344065)

- Previously, after you successfully ran a Static Data job in APM Connect for a default SAP system, if you then attempted to run the same job for another SAP system, an error occurred. This issue has been resolved. To facilitate this fix, the rules in the CMMS Classification Type Definition family have been modified. (ID: TFS344824)

- Previously, the SAP System Requirements section of the APM Connect System Requirements topic did not state that APM Connect supports the following SAP Adapters on SAP S/4HANA 1511 and SAP S/4HANA 1610:
 - Equipment
 - Functional Location
 - Notification Management
 - Technical Characteristics
 - Work History
 - Work Management

This issue has been resolved. (ID: TFS343153)

SAP UDLP V2.1.0

SAP Adapters - Enhancements - UDLP V2.1.0

The following enhancements have been made to the SAP Adapters in SAP UDLP V2.1.0:

- The Technical Characteristics Adapter is now supported in the APM Now and Unified cloud environments. To facilitate this enhancement:
 - Classifications and characteristics are now synchronized when you run the Static Data job.
 - CMMS Classification Type records are now created and populated automatically. In addition, the Classification Type Code field now appears on the datasheet and all fields on the datasheet are now read-only.

(TS IDs: 325226, 329371)

- The Work Management Adapter is now supported in APM Now and Unified cloud environments. (TS ID: 330814)
- The performance of jobs running on large cost tables has been improved. (TS ID: 235968)

SAP Adapters - Resolved Issues - UDLP V2.1.0

The following issues existed in SAP Adapters in one or more previous releases and have been resolved in SAP UDLP V2.1.0.

- Previously, when you ran the Work History Adapter Job on an Order that contained an object list, the cost values for the Order were incorrectly applied to Work History records for the object list items of the Order. This issue has been resolved. Now, cost values are applied only to the Work History record that represents the Order Header. (TS ID: 336642)
- Previously, when you ran a Work History Adapter job that extracted Order Headers with object list items that contained the same Technical Objects or Notifications, duplicate Work History records were created. This issue has been resolved. (TS ID: 336619)
- Previously, in SAP, when you changed the control key of an operation from the value for an Inspection Task to the value for a Calibration Task or vice versa, the original task was not discontinued in GE Digital APM after you ran the Work Management Adapter job. This issue has been resolved. Now, changing the control key results in the Task ID value of the original task record being prepended with ****DISCONTINUED****. (TS ID: 332971)
- Previously, in the Create the Intermediary Repository Database documentation, the following entries in the table containing the context parameters were incorrect. The following corrections have been made:
 - CONFIG_FILE_DIRECTORY has been changed to CONFIG_FILE_PATH.
 - apmconnect_Database has been changed to IR_DATABASE.
 - apmconnect_Login has been changed to IR_USERID.
 - apmconnect_Password has been changed to IR_PASSWORD.
 - apmconnect_Server has been changed to IR_HOST.
 - LOG4J_CONFIG_FILE has been added.
 - IR_SCHEMA has been added.
 - IR_POST has been added.(TS ID: 332461)
- Previously, when you ran a Work Management Adapter job for data that contained duplicate Task IDs, an error occurred. This issue has been resolved. (TS ID: 332736)
- Previously, an extraction job configured with FTP or SFTP as the transfer mode

attempted to delete a file that did not exist. While no error occurred, the trace log displayed a message with a blank filename. This issue has been resolved. (TS ID: 326048)

- Previously, when you modified the Work Center value for an existing Asset Strategy Implementation (ASI) Maintenance Item in GE Digital APM, the corresponding Work Center field in SAP was not updated. This issue has been resolved. (TS ID: 322946)
- Previously, if you modified the value in the Classification Type field of a CMMS Classification Type record and then saved, an error occurred. This issue has been resolved. (TS ID: 292958)
- Previously, Technical Characteristics with time values less than 10 hours (i.e., 10:00:00) were not formatted. This issue has been resolved. (TS ID: 291230)
- Previously, when using the Technical Characteristics Adapters, if a particular equipment or functional location had more than one classification defined in the EAM system, the SAP Class field was not populated in the corresponding Equipment record or Functional Location record in GE Digital APM. This issue has been resolved. Now, if more than one classification is defined, the SAP Class value is populated with 002 for Equipment and 003 for FLOC. (TS ID: 278804)
- Previously, when using the SAP Adapter to load data containing an SAP Interface App Server name with a length greater than 20 characters, an error occurred. This issue has been resolved. The data can now contain an SAP Interface App Server name with a length of 255 characters or less. (TS ID: 273297)
- Previously, if you deactivated or deleted a Maintenance Plan in SAP and ran the Work Management Adapter job, the Task ID value in GE Digital APM was not prepended with ****DISCONTINUED****. This issue has been resolved. (TS ID: 260975)
- Previously, when you ran the Work Management Adapter job and there was an identical asset in the Maintenance item and the object list, duplicate Inspection Tasks for a Maintenance Plan may have been created. This issue has been resolved. (TS ID: 258459)
- Previously, if you retried a work history extraction and failures occurred, the records in the APM_FAILURE_LOG table displayed an empty value in the OBJECT_TYPE field. The characters *OR* were also prepended to the ID value in these records. This issue has been resolved. (TS ID: 258416)

- Previously, Task IDs received from SAP were not populated correctly in GE Digital APM Task records. This issue has been resolved. Now, the GE Digital APM Task ID is constructed from the SAP Equipment ID or Functional Location ID, Maintenance Plan ID, Maintenance Item, Task List Type, Task List Group, Group Counter, and the Operation Number. (TS ID: 258458)
- Previously, when you ran the Work Management Adapter job, existing Inspection Task records were discontinued and new Inspection Task Revision records were created even if there were no changes in SAP related to the existing Inspection Tasks. This issue has been resolved. Now, the Inspection Task records remain unchanged. (TS ID: 258256)

SAP Adapters - Obsolete Features - UDLP V2.1.0

The following items are no longer used in SAP UDLP V2.1.0:

- The following items are unused and no longer delivered in the base APM Connect installation:
 - GeoRaster
 - Kibana

(TS ID: 272712)

EAM SAP V2.0.0

SAP Adapters - Enhancements - EAM SAP V2.0.0

The following enhancements have been made to the SAP Adapters in V2.0.0:

- The default connection between SAP and Meridium Enterprise APM now uses a RESTful web service call as an intermediary between the systems, thereby avoiding RFC calls directly between Meridium Enterprise APM and your SAP sever.

This enhancement allows SAP PI to be used with Asset Strategy Implementation (ASI).

(TS ID: 302020)

SAP Adapters - Resolved Issues - EAM SAP V2.0.0

The following issues existed in SAP Adapters in one or more previous releases and have been resolved in EAM SAP V2.0.0.

- Previously, after you entered a value into the **Value** box on the **Technical Characteristics** datasheet and then selected the save button, the value was not saved. This issue has been resolved (TS ID: 244828).
- Previously, when creating an **Inspection Task for SAP Integration Interfaces** the ellipse button in the **Task List** box would sometime not appear on the datasheet. This occurred when **Inspection Task** was not linked to an asset or the asset to which the **Inspection Task** was linked has an invalid SAP System, the ellipse on the data sheet This issue has been resolved. Now, the ellipse button is always displayed in the Task List box, and an error message appears if the **Inspection Task** is not linked to an asset or the asset to which the **Inspection Task** is linked has an invalid SAP System (TS ID: 230469)
- Previously, the MI SAP Interface User and MI SAP Interface Administrator Security Groups did not have permissions to access the catalog public\Meridium\Modules\SAP Integration Interfaces\Queries\. This issue has been resolved. (TS ID: 187183)
- Previously, if data in SAP contained carriage returns and line feed characters, an error occurred when you loaded the data into Meridium Enterprise APM. This issue has been resolved. Now, in this scenario, the carriage returns and line feed characters are removed from all fields other than long text fields and the data is loaded successfully. (TS ID: 260910)
- Previously, in the SAP context file, when the parameter value for WMI_USE_HARMONIZE was *true*, some Inspection Tasks were discontinued when transferred from SAP to Meridium Enterprise APM. This issue has been resolved. Now, Inspection Tasks are created as expected. (TS ID: 258079)

EAM SAP V1.6.3

SAP Adapters - Resolved Issues - EAM SAP V1.6.3

The following issue existed in the SAP Adapters in one or more previous releases and has been resolved in EAM SAP V1.6.3:

- Previously, when loading Work History records, Site Reference values were not populated as expected in Meridium Enterprise APM. This issue has been resolved. Now, when loading Work History data:
 - If the Work History Adapter is run before the Equipment or Functional Location Adapter, the Site Reference Key will be inherited from the shell record that will be created for Equipment and Functional Location.
 - If a shell record is created while loading data, the Site Reference Key will be the value set in the context parameters.

(TS ID: 258290)

EAM SAP V1.6.2

SAP Adapters - Resolved Issues - EAM SAP V1.6.2

The following issues existed in SAP Adapters in one or more previous releases and have been resolved in EAM SAP V1.6.2

- Previously, when you extracted technical characteristics for equipment and functional locations from SAP, multiple value characteristics may not have been extracted as expected. Specifically:
 - Multiple value numeric characteristics displayed an additional value equaling the sum of the extracted values.
 - Multiple value characteristics having a value description displayed both the value and description in the value field.

These issues has been resolved. (TS ID: 254332)

- Previously, when you ran the Functional Location Characteristics Adapter or Equipment Characteristics Adapter, data may not have been extracted as expected. Specifically, range values for the following types of data were not extracted: numbers, the date and time, and single value (interval allowed). This issue has been resolved. (TS ID: 254338)
- Previously, the SAP Adapters did not transfer Equipment and Functional Location records configured for Multiple Object Allowed. This issue has been resolved. (TS ID: 254344)
- Previously, if the Maintenance Plan Type was T, the Work Management Adapter did not create Inspection Task records. This issue has been resolved. (TS ID: 241120)
- Previously, the Work Management Adapter extracted Maintenance Plans from SAP that were marked inactive or are deleted. This issue has been resolved. (TS ID: 257082)

EAM SAP V1.6.1

SAP Adapters - Enhancements - EAM SAP V1.6.1

The following enhancements have been made to the SAP Adapters in EAM SAP V1.6.1:

- The APM Connect Connection parameters are now stored in the Connections section of Operations Manager. (TS ID: 221126)

SAP Adapters- Resolved Issues - EAM SAP V1.6.1

The following issues existed in SAP Adapters in one or more previous releases and have been resolved in EAM SAP V1.6.1:

- Previously, when using the Work History Adapter, if a Location ID (MI_DTWKHIST_LOC_ID_C), included in the Work History Detail extraction, exceeded 30 characters the Work History Adapter would fail. This issue has been resolved. Now the length of Location ID can be up to 40 characters. (TS ID: 243907)
- Previously, when creating an SAP Work Order from an Inspection Task, the SAP Work Order Long Text field was not populated with the data in **Task Details** on the Meridium Enterprise APM Inspection record. This issue has been resolved. Now the **Long Text** is supplied on the Work Order by concatenating data from both the **Task Description** and **Task Details** into the SAP Work Order **Long Text** field. (TS ID: 233550)
- Previously, if you ran the CreateIntermediateRepository job twice an error would be thrown. This issue has been resolved. Now, the system will recreate the IR database even if the job is run twice in a row. (TS ID: 221637)
- Previously, when extracting data using the SAP Work History Adapter, the Work History Detail Description field was not populated. This issue has been resolved. (TS ID: 219400)
- Previously, when extracting data using the Equipment and Functional Location adapters, if one asset with the same ID belonged to multiple systems, then only information belonging to one CMMS system would be loaded into Meridium Enterprise APM. This issue has been resolved. The queries have been changed to take CMMS system ID into consideration while sending the request to Meridium causing all records to be loaded (TS ID: 212985)

EAM SAP V1.6.0

SAP Adapters - Enhancements - EAM SAP V1.6.0

The following enhancements have been made to the SAP Adapters in EAM SAP V1.6.0:

- The SAP Adapters will now populate the Site Reference Key on asset records. The Site Reference Key is used to determine by which site a record will be filtered. (TS ID: 214437)

EAM SAP V1.5.5

SAP Adapters - Resolved Issues - EAM SAP V1.5.5

The following issues existed in the SAP Adapters in one or more previous releases and have been resolved in EAM SAP V1.5.5:

- Previously, when using the SAP Work History Adapter to load more than 1,000 records in a single run, some of the records were not loaded into Meridium Enterprise APM. This issue has been resolved. (TS ID: 216866)

EAM SAP V1.5.4

SAP Adapters - Enhancements - EAM SAP V1.5.4

The following enhancements have been made to SAP Adapters in V1.5.4:

- When the Notification Management Job is run, the data in the priority field is copied to the notification created in SAP. (TS ID: 188778)
- To avoid confusion, the family in which you must create a record in Meridium Enterprise APM to represent your Maximo System or SAP System has been renamed from *SAP System* to *EAM System* (TS ID: 198296).

SAP Adapters - Resolved Issues - EAM SAP V1.5.4

The following issues existed in the SAP Adapters in one or more previous releases and have been resolved in EAM SAP V1.5.4:

- Previously, when creating a record in Meridium Enterprise APM to represent your Maximo System, you must use the **SAP System** record. To avoid confusion, the record has been renamed **EAM System** record. (TS ID: 189883)
- Previously, when extracting data using the SAP Work History Adapter, dates and times were treated separately, causing some data to not be extracted by the adapter. This issue has been resolved. Now, dates and times are queried together and all data within the specified date and time range is extracted. (TS ID: 198296)
- Previously, when loading data using the Maximo Equipment Adapter, object type was populated into the Equipment Type field. This issue has been resolved. (TS ID: 198279)

EAM SAP V1.5.3

SAP Adapters - Enhancements - EAM SAP V1.5.3

- The Notification Management Adapter is now deployed as a service instead of as a job in the APM Connect Administration Center. This allows you to generate Notifications regardless of the time zone configured for the Meridium Enterprise APM server. (TS ID: 193109)

EAM SAP V1.5.2

SAP Adapters - Resolved Issues - EAM SAP V1.5.2

The following issues existed in APM Connect EAM SAP Adapters in one or more previous releases and has been resolved in EAM SAP V1.5.2:

- Previously, when you attempted to use the APM Connect data loaders and the EAM SAP Adapters simultaneously, the jobs would fail. This issue has been resolved. Now, after installing a .jar file in the runtime container, you can run the data loaders and EAM SAP Adapters jobs successfully at the same time. (TS ID: 176835)

EAM SAP V1.5.1

SAP Adapters - Enhancements - EAM SAP V1.5.1

The following enhancements have been added to EAM SAP V1.5.1:

- You can now use the Load_ID_List job to perform bulk loads of IDs from SAP to Meridium Enterprise APM. (TS ID: 168937)

SAP Adapters - Resolved Issues - EAM SAP V1.5.1

The following issues existed in APM Connect EAM SAP in one or more previous releases and have been resolved in EAM SAP V1.5.1:

- Previously if there were no values for the Technical Characteristics in SAP, the SAP Adapters would extract data into Meridium Enterprise APM. The adapters would only pull over characteristics that have values assigned to them. This issue has been resolved. Now, you can extract characteristic that do not have values assigned to them when you run the Technical Characteristic Adapter. (TS ID: 163323)
- Previously the adapter could not extract the Technical Characteristics values that were configured for the reference table in SAP. This issue has been resolved. Now, Technical Characteristics with values configured for the reference table can be extracted from SAP and loaded into Meridium Enterprise APM. (TS ID: 163321)

EAM SAP V1.5.0

SAP Adapters - New Features - EAM SAP V1.5.0

The following new features have been added to EAM V1.5.0:

- Beginning in APM Connect EAM V1.5.0, the APM Connect Adapters can be configured to support data extractions to and from multiple SAP systems and multiple Meridium APM systems. (TS ID: 112497)
- Beginning in APM Connect EAM V1.5.0, FTP and SFTP file transfer is supported for SAP data extractions. (TS ID: 115519)

SAP Adapters - Resolved Issues - EAM SAP V1.5.0

The following issues existed in the SAP Adapters in one or more previous releases and have been resolved in V1.5.0:

- Previously, when attempting to run the Work History extraction job using the System Status parameter or the User Status parameter, no records were loaded into Meridium Enterprise APM. This issue has been resolved. (TS ID: 128489)
- Previously, when attempting run the Work History extraction Job using the advanced filter parameters, the results would not be filtered accordingly, and all associated records would be loaded into Meridium Enterprise APM. The advance filter parameters include the following:
 - Equipment Type: EQUIPMENT_TYPE
 - Equipment Category: EQUIPMENT_CATEGORY
 - Equipment Class: EQUIPMENT_CLASS
 - Functional Location Type: FLOC_TYPE
 - Functional Location Class: FLOC_CLASS
 - Functional Location Category: FLOC_CATEGORY

This issue has been resolved. (TS ID: 13488)

- Previously, when attempting to extract Work History records using the Work Order System Status filter parameter, no records were loaded in to Meridium Enterprise APM. This issue has been resolved. (TS ID: 134493)
- Previously, when attempting to extract Work History records using the Notification System Status filter parameter, records were loaded in to Meridium Enterprise APM regardless of the criteria entered into the filter parameter. This issue has been resolved. (TS ID: 134493)
- Previously, when attempting to extract Work History records using the Work Order User Status or the Notification User Status filter parameter, records were loaded in to Meridium Enterprise APM regardless of the criteria entered into the filter parameter. This issue has been resolved. (TS ID: 134493)
- Previously, valid Task records were discontinued during harmonization from Strategy Plans. This issue has been resolved. (TS ID: 143231).
- Previously, when attempting to harmonize Task(s) with SAP, the Default SAP System?: had to be selected in Meridium Enterprise APM in order to facilitate the

harmonization. The issue has been resolved. Now, the check box does not need to be checked for the Task(s) to be harmonized. (TS ID: 143230)

SAP PI Adapters Release Notes

SAP PI UDLP V2.4.0

SAP PI Adapters - Enhancements - SAP PI UDLP V2.4.0

The following enhancements have been added to the SAP PI adapters in SAP PI UDLP V2.4.0:

- SAP PI adapters are now supported in a cloud environment in UDLP V2.4.0 (ID: TFS359065)

SAP PI UDLP V2.3.0

SAP PI Adapters - Enhancements - SAP PI UDLP V2.3.0

The following enhancements have been added to the SAP PI adapters in SAP PI UDLP V2.3.0:

- SAP PI adapters are now supported in UDLP V2.3.0. (ID: TFS347955)

SAP PI Adapters - Resolved Issues - SAP PI UDLP V2.3.0

The following issues existed in one or more previous releases and have been resolved in SAP PI UDLP V2.3.0:

- Previously, when you executed an Equipment Test Case for equipment with a class containing empty Data and Weight values, chart values appeared incorrectly in GE Digital APM. This issue has been resolved. (ID: TFS355200)

EAM SAP PI V2.0.0

SAP PI Adapters - Enhancements - EAM SAP PI V2.0.0

The following enhancement has been made to EAM SAP PI in V2.0.0:

- SAP PI integration with Asset Criticality Analysis (ACA), Asset Strategy Implementation (ASI), and Asset Strategy Management (ASM) through SAP PI Adapters is now supported for on-premises deployments. (TS ID: 333962)

SAP PI Adapters - Resolved Issues - EAM SAP PI V2.0.0

The following issues existed in SAP PI Adapters in one or more previous releases and have been resolved in EAM SAP PI V2.0.0.

- Previously, if data in SAP contained carriage returns and line feed characters, an error occurred when you loaded the data into Meridium Enterprise APM. This issue has been resolved. Now, in this scenario, the carriage returns and line feed characters are removed from all fields other than long text fields and the data is loaded successfully. (TS ID: 260910)
- Previously, when extracting data using the Work Management Adapter, the job extracted tasks even when the corresponding maintenance Plan in SAP was set to inactive or deleted. This issue has been resolved. (TS ID: 314736)
- Previously, when extracting data using the Work History Adapter, the Work History Description was not extracted. This issue has been resolved. (TS ID: 317065)

EAM SAP PI V1.2.0

SAP PI Adapters - Resolved Issues - EAM SAP PI V1.2.0

The following issue existed in SAP PI Adapters in one or more previous releases and has been resolved in EAM SAP PI V1.2.0:

- Previously, when using the SAP Work History Adapter to load more than 1,000 records in a single run, some of records were not loaded into Meridium Enterprise APM. This issue has been resolved. (TS ID: 216866)

EAM SAP PI V1.1.2

SAP PI Adapters - Enhancements - EAM SAP PI V1.1.2

The following enhancements have been made to the SAP PI Adapters in EAM SAP PI V1.1.2

- The SAP PI Adapters can now be used with a Linux-based SAP Server or SAP PI server. (TS ID: 281152)

EAM SAP PI V1.1.0

SAP PI Adapters - Enhancements - EAM SAP PI V1.1.0

The following enhancements have been made to the SAP PI Adapters in EAM SAP PI V1.1.0:

- The SAP PI Adapters will now populate the Site Reference Entity Key on asset records. The Site Reference Key is used to determine by which site a record will be filtered. (TS ID: 215813)

EAM SAP PI V1.0.1

SAP PI Adapters - Resolved Issues- EAM SAP PI V1.0.1

The following issues existed in the SAP PI Adapters in one or more previous releases and have been resolved in EAM SAP PI V1.0.1:

- Previously, we using the Technical Characteristics Adapters, an error message was generated indicating that the error string index was out of range when executing the jobs in manual run mode. This issue has been resolved (TS ID: 206452)
- Previously when executing any of the SAP PI Adapters, the following error would appear in the log file: "*Caused by: java.text.ParseException: Unparseable date: null.*" This issue has been resolved. (TS ID: 204594)
- Previously when using the Work History Adapters, records loaded in the Intermediate Repository were created will null data values. This issue has been resolved. (TS ID: 202065)

EAM SAP PI V1.0.0

SAP PI Adapters - Enhancements - EAM SAP PI V1.0.0

The following enhancements have been added to SAP PI V1.0.0:

- Beginning in APM Connect SAP PI V1.0.0, you can use APM Connect to perform data extraction between your SAP system and APM Connect system via your SAP PI system. The following SAP PI adapters are available:
 - Equipment Adapter
 - Functional Location Adapter
 - Technical Characteristics Equipment
 - Technical Characteristics Functional Location
 - Work History Adapter
 - Notification Management Adapter
 - Work Management Adapter without Harmonization

(TS ID: 167049)

- You can now use the Load_ID_List job to perform bulk loads of ID's from SAP to Meridium Enterprise APM. (TS ID: 168937)

Other APM Connect Versions Release Notes

APM Connect Base V2.0.0

APM Connect Base - Enhancements - V2.0.0

The following enhancements have been made to the APM Connect Base in V2.0.0:

- APM Connect now supports connecting multiple source systems to GE Digital APM for Equipment, Functional Location, Notification Management, and Taxonomy adapters. (TS ID: 358792)
- Messages for Work Order creation are now downloadable via the Schedule Logs feature in Operations Manager. (ID: US211201)
- You can now specify the maximum number of records that should be transferred from SAP to Meridium Enterprise APM in a single run of the Equipment, Functional Location, and Work History Adapters. If a job contains more records than the defined threshold, the job is terminated and a warning notification is sent to a specified email address. The context file contains the parameters to configure this feature.
By default, this feature is not enabled. Therefore, if a job contains more records than the default thresholds, a warning notification is sent, but the job continues.
(TS ID: 305722)
- Java SE 8, Update 131 or higher, is now supported. (TS ID: 315069)

APM Connect - Resolved Issues - V2.0.0

The following issues existed in APM Connect in one or more previous releases and have been resolved in V2.0.0:

- Previously, the topic Import the Karaf File into the APM Connect Administration Center identified an incorrect file name. This issue has been resolved. The file name has been corrected to RunDataLoaderRoute.kar. (ID: TFS348507)

WPA V1.3.0

Work Process Adapters (WPA) - New Features - WPA V1.3.0

The following new features have been added to WPA V1.3.0:


- Beginning with APM Connect WPA V1.3.0, in addition to SAP adapters, APM Connect will provide new product adapters to load data into Meridium, including the ability to connect to other data sources in the enterprise. The new APM Connect Work Process Adapters that are available are RBI 581. (TS ID: 142978)

V1.3.0

APM Connect - New Features - V1.3.0

The following new features have been added to APM Connect V1.3.0:

- Beginning in V3.6.0.6.2, you can take advantage of APM Connect V1.3.0. APM Connect will provide product adapters to load data into Meridium work processes, the ability to connect to other data sources in the enterprise, and replacement technology for previous integration platforms. With the release of APM Connect V1.3.0, the Technical Characteristics Adapter and the Work Management Adapter are available. For more information, you can view the [APM Connect Overview](#). (TS ID: 70441)

 **Note:** An APM Connect license is required to take advantage of the new functionality.

V1.2.0

APM Connect - New Features - V1.2.0

The following new features have been added to APM Connect V1.2.0:


- Beginning in V3.6.0.6.2, in addition to SAP adapters, APM Connect will provide new product adapters to load data into Meridium, including the ability to connect to other data sources in the enterprise. The APM Connect Work Process Adapters are available for Taxonomy, Equipment, Functional Location, Work History, RCM, FMEA, and ASO. For more information, you can view the [APM Connect Overview](#). (TS ID: 142978)

V1.0.0.0

APM Connect - New Features - V1.0.0

The following new features have been added to APM Connect V1.0.0:

- Beginning in V3.6.0.5.0, you can now take advantage of APM Connect, an integration framework. APM Connect will provide replacement technology for the Meridium APM Plug-In for DataStage, product adapters to load data into Meridium work processes, and the ability to connect to other data sources in the enterprise. Additionally, APM Connect will replace EAM Interfaces. Currently, replacements are available for SAP adapters for Equipment, Functional Location, and Work History. For more information, you can view the APM Connect Overview. (TS ID: 70441)

 **Note:** An APM Connect Standard license is required to take advantage of the new functionality.

V1.0.1

How Do I know If I need This Patch?

You should apply the V1.0.1 patch if you are using APM Connect V1.0.0.

APM Connect - Resolved Issues - V1.0.1

The following issues existed in APM Connect in one or more previous releases and have been resolved in V1.0.1:

- Previously, a Job could not be executed if the number of lines in context file exceeded 50 lines. This item has been resolved.
- Previously, there was no relationship between the Equipment and Functional Location in the Meridium APM Framework after executing the Equipment and Functional Location Job from the Meridium APM Connect Administration Center. Now, the relationship between equipment and functional location exists after the extraction.


Deploying APM Connect V1.0.1

Steps

1. In the Meridium APM Administration Center, in the **Job Conductor** workspace, select the following V1.0.0 Jobs that you want to replace:

- CreateIntermediateRepository.zip
- CreateStaticData.zip
- IR_Equipment_APM_load.zip
- IR_FLOC_APM_Load.zip
- IR_WorkHistory_To_APM_load.zip
- SAP_Equipment.zip
- SAP_FunctionalLocation.zip
- SAP_NotificationManagement.zip
- SAP_WorkHistory.zip

2. On the **Job Conductor** toolbar, select **Delete**.

 **Note:** If you do not delete the existing Job, the Job will not update properly, and the Job can not be executed.

3. Repeat steps 1-2 for every V.1.0.0 job you would like to replace.

4. On the **Job Conductor** toolbar, select **Add**.

The **Execution task** pane is activated.

5. In the **Execution task** pane, in the **Label** box, enter a label for the Job.

6. In the **Description** box, enter a description for the Job.

7. Select the **Active** check box.

8. In the **Job** section, select .

The **Import generated code** window appears.

9. Select **Browse** to navigate to the file containing the adapter Jobs that have been updated.

10. Select the necessary new jobs you received with the patch.

11. On the **Import Generated Code** window, select **Launch upload**.

12. The **Project**, **Branch**, **Name**, **Version**, and **Context** text boxes are automatically

populated with appropriate values.

13. In the **Execution Server** list, select the server on which the Job should be executed.
14. Select **Save**.
15. Repeat steps 4-14 for every V1.0.1 Job you would like to import.

The V1.0.1 Jobs are imported into the APM Connect Administration Center.

APM Connect - Deferred Features

The following features are not available in currently released versions of APM Connect, but are planned for future releases.

- Oracle Integration Adapters (TS ID: 62005, 62009, 62013, 62017, 62020)

- Asset Criticality Analysis for SAP Adapter (TS ID: 160213)