



Release Notes



GE VERNOVA

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Chapter 1

Overview

The GE Digital APM Release Notes describe changes in the latest product. If you are using customized database content, the behavior that you see in your system may differ from what is described here. From Q1 2020, you can view the release notes sorted by quarter, and then by release dates. After you filter release notes by a release date, you can access the release notes for all the modules contributing to the release. You can view the modules that are released on a selected date in the **On this page** list. The following types of Release Notes are included, as applicable, for each release:

- **New Features and Enhancements:** A list of new features and improvements that are being introduced in each module in the release.
- **Resolved Issues:** A list of issues that existed in previous versions of GE Digital APM that have been resolved in the release.
- **Obsolete Features:** A list of features that are now obsolete as a result of changes made in the release.
- **Known Issues and Limitations:** A list of issues that exist in the latest version of GE Digital APM.
- **Deferred Features:** A list of functionally equivalent features that are not included in the release, but are planned for a future release.

Chapter 2

APM Release Notes for V4.5.0.0.X

Topics:

- [V4.5.0.0.22](#)
- [V4.5.0.0.21](#)
- [V4.5.0.0.20](#)
- [V4.5.0.0.19](#)
- [V4.5.0.0.18](#)
- [V4.5.0.0.17](#)
- [V4.5.0.0.16](#)
- [V4.5.0.0.15](#)
- [V4.5.0.0.14](#)
- [V4.5.0.0.13](#)
- [V4.5.0.0.12](#)
- [V4.5.0.0.11](#)
- [V4.5.0.0.10](#)
- [V4.5.0.0.9](#)
- [V4.5.0.0.8](#)
- [V4.5.0.0.7](#)
- [V4.5.0.0.6](#)
- [V4.5.0.0.5](#)
- [V4.5.0.0.4](#)
- [V4.5.0.0.3](#)
- [V4.5.0.0.2](#)
- [V4.5.0.0.1](#)
- [V4.5.0.0.0](#)

V4.5.0.0.22

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 1: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when using Record Manager to open a record with State Management enabled for the family or related families, there was a performance issue. This issue has been resolved.	854816

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 2: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to save Protective Instrument Loop Final Element and Protective Instrument Loop Sensor Element, the device configurations were not validated. This issue has been resolved.	705703

V4.5.0.0.21

Asset Health Manager

This topic provides a list of product changes released for this module in this version.

Table 3: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Health Summary page, when you used a comma-based decimal separator in a localized numeric value, the limit definitions were not displayed correctly. This issue has been resolved.	DE210059

Failure Modes and Effect Analysis

This topic provides a list of product changes released for this module in this version.

Table 4: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the initial state of an FMEA/RCM Recommendation was modified, and you attempted to consolidate those Recommendations, an error occurred. This issue has been resolved.	DE210735

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 5: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, images taken using the Inspection Field Data Collection module in the legacy GE Digital APM mobile application were compressed. This issue has been resolved.	DE210523

Policy Designer

This topic provides a list of product changes released for this module in this version.

Table 6: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you scheduled multiple policies to execute at the same time, some policies were not executed even though the scheduled jobs were completed successfully. This issue has been resolved.	DE210575

RBI 580

This topic provides a list of product changes released for this module in this version.

Table 7: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when copying or applying an RBI Criticality Analysis with the Copy Recommendation for Degradation Mechanisms option selected, the Component ID value was erroneously copied. This issue has been resolved. Now, the Component ID on the newly created analysis will be set correctly based on the parent RBI Component.	DE210591

RBI 581

This topic provides a list of product changes released for this module in this version.

Table 8: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when copying or applying an RBI 581 Risk Analysis with the Copy Recommendation for Degradation Mechanisms option selected, the Component ID value was erroneously copied. This issue has been resolved. Now, the Component ID on the newly created analysis will be set correctly based on the parent RBI Component.	DE210591

Reliability Centered Maintenance

This topic provides a list of product changes released for this module in this version.

Table 9: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the initial state of an RCM/ FMEA Recommendation was modified, and you attempted to consolidate those Recommendations, an error occurred. This issue has been resolved.	DE210735

Reports

This topic provides a list of product changes released for this module in this version.

Table 10: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to open Reports, session expiry message appeared intermittently. This issue has been resolved.	DE211126

V4.5.0.0.20

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 11: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you exported an Asset Strategy, decimal numbers were not formatted based on your culture setting. This issue has been resolved.	DE208149
Previously, when you attempted to open an Action within a Controlled Strategy, an error occurred. This issue has been resolved.	DE206947
Previously, you could create Secondary Actions with the same ID using the Asset Strategy Management (ASM) Data Loader, which resulted in duplicate records. This issue has been resolved.	DE206890

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 12: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you upgraded a Protective Instrument Loop from ExSILentia V3 to use the ExSILentia V4 calculation engine, the calculation did not work as expected. This issue has been resolved.	DE207400

V4.5.0.0.19

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 13: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when exporting records from any of the following modules, only one job was processed at a time:</p> <ul style="list-style-type: none"> Asset Criticality Analysis Asset Strategy Management Failure Modes and Effects Analysis Reliability Centered Maintenance <p>This issue has been resolved. Now, you can run multiple export jobs per module.</p>	DE203123

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 14: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you applied a taxonomy filter, and then attempted to search for an asset by entering text, the search results did not appear. This issue has been resolved.	DE204337

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 15: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you attempted to create an Action using a Master Detail datasheet, an error occurred. This issue has been resolved. Now, when creating an Action using a Master Detail datasheet, the Action ID is populated automatically.	DE201070
Previously, Asset Strategies that were controlled by a master template displayed the Proposed Action and Risk data instead of the Active Action and Risk data. This issue has been resolved. Now, Asset Strategies that are controlled by a master template display the following data: <ul style="list-style-type: none"> Active Actions Active Risk In addition, the State of the Asset Strategy is now displayed as: Controlled by Master Template. It also contains the name and link to the master template.	DE200390

Asset Strategy Optimization

This topic provides a list of product changes released for this module in this version.

Table 16: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you attempted to delete a copied Scenario, a timeout error occurred, and you could not delete the ASO Analysis. This issue has been resolved.	DE203029

Datasets

This topic provides a list of product changes released for this module in this version.

Table 17: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if using the Spanish culture, an error occurred when you attempted to create a dataset by importing an Excel file that contained a date. This issue has been resolved.	DE204519

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 18: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to load Failure Modes with the same name but different asset IDs using the Related Asset ID column, an error occurred. This issue has been resolved.	DE203123

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 19: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you had included a Boolean field in an Offline Form, after you downloaded an Inspection in Inspection Field Data Collection, you could not select or clear the check box corresponding to the Boolean field. This issue has been resolved.	DE203404

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 20: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you added a custom family as the child of another family, and included both families in the Asset Hierarchy configuration, the records in the child family did not appear in the Asset Hierarchy search results unless you were a super user. This issue has been resolved. The child family now appears in the Asset Hierarchy search results for all users with view permission for the custom family.	DE204628

Reliability Centered Maintenance

This topic provides a list of product changes released for this module in this version.

Table 21: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to load Failure Modes with the same name but different asset IDs using the Related Asset ID column, an error occurred. This issue has been resolved.	DE203123

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 22: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, you could not set a Logic Solver device as a custom device. This issue has been resolved.	DE201530

V4.5.0.0.18

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 23: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you added a custom family as the child of another family, and included both families in the Asset Hierarchy configuration, the records in the child family did not appear in the Asset Hierarchy search results. This issue has been resolved. The child family now appears in the Asset Hierarchy search results if you have enabled the search functionality for the child family.	DE196601

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 24: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when going back and forth using the Previous and Next buttons in the Apply Template window, the Next button was disabled and the Apply Method page was not refreshed. This issue has been resolved.	DE199663
Previously, when you created an asset strategy using the master strategy template, the list of risks in the Risks section in the Health Summary page was incorrect. This issue has been resolved.	DE196249

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 25: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you entered the As Found Trip Point value in a Calibration Result, Discrete record and attempted to save it, an error occurred. This issue has been resolved.	DE198489

Foundation

This topic provides a list of product changes released for this module in this version.

Table 26: Enhancements and New Features

The following features have been introduced in this release.

Description	Tracking ID
While exporting a query to an Excel spreadsheet, to avoid receiving a time-out error, a new service named Query Export to Excel Service is now available in the query export options. To use this service, you must first import a metadata file with a new set of entity and relationship families, which you can request the GE Digital support team . For instructions to use the new Query Export Service, refer to KBA 000068539.	US574393

Table 27: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the Entity ID field contained more than 255 characters, then the characters were truncated from the starting, instead of being truncated from the end. This issue has been resolved.	DE196619

Metrics and Scorecards

This topic provides a list of product changes released for this module in this version.

Table 28: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, even if the same user accessed a KPI from different regions at the same time, the dates recorded in the KPI History trend chart were different. This issue has been resolved.	DE197221

RBI 581

This topic provides a list of product changes released for this module in this version.

Table 29: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
The Final Damage Factor for RBI 581 Cracking Damage Mechanism Evaluations and RBI 581 External Cracking Damage Mechanism Evaluations now adheres to API 581 3 rd Edition, Addendum 1. The Final Damage Factor will now have a maximum value of 5000.	US584463, US576633

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 30: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you selected External Network in the Edit Document Path window for a Reference Document, the list of folders and files appeared in random order. This issue has been resolved. Now, the folders and files are sorted alphabetically.	DE199061
Previously, in a Master Detail datasheet in which you had view-only privileges for the family associated with the Detail record, you could not modify the Master record if it was not linked to a Detail record. This issue has been resolved.	DE195673

Reports

This topic provides a list of product changes released for this module in this version.

Table 31: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed reports, an error occurred intermittently. This issue has been resolved.	DE199149

Security Manager

This topic provides a list of product changes released for this module in this version.

Table 32: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, on the LDAP page, if the LDAP Sync Domain Settings box was set to Deactivate Unsynchronized Users , after the LDAP synchronization was run, some of the synchronized users were incorrectly deactivated. This issue has been resolved. To facilitate this fix, the comparison between LDAP users and APM users is now case-insensitive.	DE194153

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 33: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to import an Exida project file into GE Digital APM, an error occurred, and the import failed in the following scenarios: <ul style="list-style-type: none">The Exida project was recently created.Your culture setting had a culture other than English. This issue has been resolved.	DE197715, DE197397

V4.5.0.0.17

APM Connect

This topic provides a list of product changes released for this module in this version.

Table 34: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, data was synchronized only for the records defined in a Relationship worksheet, which are loaded as part of the Equipment or Functional Location EAM interfaces. This issue has been resolved. Now, the records defined in an Entity worksheet are also considered for data synchronization.	DE189612

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 35: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, export of multiple Asset Criticality Analyses will use background job infrastructure from the Asset Criticality Analysis Overview page.	DE188927

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 36: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, export of multiple asset strategies will use background job infrastructure from the Asset Strategy Management Overview page.	DE188927

Table 37: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when an asset strategy was linked to a large system strategy, activating the strategy took longer than expected. This issue has been resolved.	DE194362

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 38: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, export of multiple Failure Modes and Effects Analyses will use background job infrastructure from the Failure Modes and Effects Analysis Overview page.	DE188927

Hazards Analysis

This topic provides a list of product changes released for this module in this version.

Table 39: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, you could delete the following records even when they were linked to a Hazards Analysis Safeguard record: <ul style="list-style-type: none">• Active IPL• Human IPL• Passive IPL Due to this, there was a possibility of data integrity issues. This issue has been resolved. Now, you can delete the aforementioned records only if they are not used in a Hazards Analysis or a LOPA Analysis.	DE194171

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 40: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when viewing the General Findings and Sub-Inspections in the Inspection Details section, the scroll bar did not work. This issue has been resolved.	DE190180

Layers of Protection Analysis

This topic provides a list of product changes released for this module in this version.

Table 41: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, you could delete the following records even when they were linked to a Hazards Analysis Safeguard record: <ul style="list-style-type: none">• Active IPL• Human IPL• Passive IPL Due to this, there was a possibility of data integrity issues. This issue has been resolved. Now, you can delete the aforementioned records only if they are not used in a Hazards Analysis or a LOPA Analysis.	DE194171

Metrics and Scorecards

This topic provides a list of product changes released for this module in this version.

Table 42: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, when a Security User is assigned to multiple Security Groups, the user now has the privileges of the Security Group with the most permissions. For example, if a Security User is assigned to both the MI Metrics Viewer and MI Metrics User Security Groups, the user is granted create, update, view, and delete privileges.	DE190320

OT Connect

This topic provides a list of product changes released for this module in this version.

Table 43: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when multiple requests were processed simultaneously by an OT Connect Adapter Service (for example, when Policies attempted to retrieve reading values from OT Connect data), the adapter sometimes displayed the error message, "Index was outside the bounds of the array". This issue has been resolved.	DE193828

Queries

This topic provides a list of product changes released for this module in this version.

Table 44: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you attempted to run a crosstab query using a conditional alert, an error occurred. This issue has been resolved.	DE194106
Previously, if you deleted a query column that was included in the query clause, and then attempted to run and export the query results, an error occurred. This issue has been resolved.	DE193222

RBI 580 and 581

This topic provides a list of product changes released for this module in this version.

Table 45: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, even if you enabled history for a field in a Degradation Mechanism Evaluation family, the History option was not available for the family in the datasheet. This issue has been resolved.	DE194180

RBI 581

This topic provides a list of product changes released for this module in this version.

Table 46: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when calculating an RBI 581 Risk Analysis with a 581-Atmospheric Tank Bottom Corrosion degradation mechanism evaluation where the Highest Effective Inspection Level field was set to Highly Effective , the Recommended Inspection Effectiveness field on the related Damage Mechanism was not set. As a result, recommendations were not generated. This issue has been resolved. Now, the system will attempt mitigation on 581-Atmospheric Tank Bottom Corrosion degradation mechanism evaluations regardless of the highest effective inspection level.	DE188648
Previously, when you calculated RBI Criticality Analyses or RBI 581 Risk Analyses in bulk in the Unit Summary or the Corrosion Loop workspace, the number of calculated analyses in the Analysis Calculation window was incorrect. This issue has been resolved.	DE188129

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 47: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you selected a master detail datasheet for a record in a family using a state machine and attempted to change the state of the record, incorrect values were displayed in the datasheet, and you could not save the record. This issue has been resolved.	DE192790
Previously, if you created a customized dialog box, the OK and Cancel buttons were not translated. This issue has been resolved.	DE190362
Previously, in the Reference Documents list that was displayed in an analysis (for example, in a Root Cause Analysis), the Last Updated Date did not use the correct display format for the user's culture. This issue has been resolved.	DE189282

Reliability Centered Maintenance

This topic provides a list of product changes released for this module in this version.

Table 48: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, export of multiple Reliability Centered Maintenance Analyses will use background job infrastructure from the Reliability Centered Maintenance Overview page.	DE188927

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 49: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
The SIS Management module now uses Exida's Safety Equipment Reliability Handbook (SERH) and SERHx library version 2020.04.01.	DE191578

Table 50: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, after upgrading a Protective Instrument Loop to use the exSILentia V4 calculation engine, the calculation failed for some of the loops. This issue has been resolved.	DE191661
Previously, if you attempted to import an Exida project file in the .exp format, an error occurred. This issue has been resolved.	DE191578
Previously, when you applied a Protective Instrument Loop Template to a Protective Instrument Loop, an error occurred for some of the loops. This issue has been resolved.	DE189741
Previously, when you accessed an SIL Analysis, if the ID of an Instrumented Function exceeded 24 characters, you could search for the Instrumented Function using only the shortened ID instead of the full ID. This issue has been resolved. In addition, a tooltip appears, displaying the full ID of the Instrumented Function.	DE188085
Previously, when you attempted to hover the mouse over an abbreviated text of the Instrumented Function ID , in a SIL Analysis, the complete Instrumented Function ID was not displayed in the tooltip. This issue has been resolved.	DE188083
Previously, when you attempted to copy a Protective Instrument Loop Logic Solver, if the Logic solver was linked to an Equipment or a Functional Location an error occurred. This issue has been resolved.	DE187795

V4.5.0.0.16

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 51: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, RCA users in the MI PROACT Team Member Security Group could not add Team Members to an RCA Analysis. This issue has been resolved.	DE188648

V4.5.0.0.15

Action Management

This topic provides a list of product changes released for this module in this version.

Table 52: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Recommendation section, if your culture setting had a culture other than English, the State fields were not translated to the specific language selected in the culture setting. This issue has been resolved.	DE180853

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 53: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, saving an action in a strategy took a long time. Additionally, there were performance issues when you attempted to save or update an action in a Strategy that was associated with a system strategy. This issue has been resolved.	DE188369

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 54: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when loading data through dataloader, financial details were not getting updated as per the dataloader worksheet. This issue has been resolved.	DE186503

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 55: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if State Management was enabled for an Inspection family, and you created an Inspection record via a data loader, an error occurred. This issue has been resolved.	DE183324

Layers of Protection Analysis

This topic provides a list of product changes released for this module in this version.

Table 56: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the Hazards Analysis license was not active in GE Digital APM, when you attempted to copy a Layers of Protection Analysis (LOPA), an error occurred. This issue has been resolved.	DE184338
Previously, when you copied a LOPA, the site of the source LOPA was not copied, and the site was set to a global site reference. This issue has been resolved.	DE184335

OT Connect

This topic provides a list of product changes released for this module in this version.

Table 57: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, you were unable to configure the <code>ReadingSubscriptionMaxRuntime</code> in the <code>appsettings.json</code> . This issue is now resolved. Now, the <code>ReadingSubscriptionMaxRuntime</code> is configurable and the default value is set to 1 minute.	DE183515

RBI 581

This topic provides a list of product changes released for this module in this version.

Table 58: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when an RBI 581 Risk Analysis had both Thinning Damage and Lining Damage Mechanisms, and the Governing Damage Mechanism between Thinning and Lining differed on the Plan Date without Inspection and Target Inspection date, the Damage Factor with Plan was calculated incorrectly. This issue has been resolved.	DE187085

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 59: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Record Explorer Details page, when you selected the hide icon on the Record Explorer pane, in the Master Detail datasheet the fields with a drop-down list were misaligned. This issue has been resolved.	DE183412

Reliability Centered Maintenance

This topic provides a list of product changes released for this module in this version.

Table 60: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when loading data through dataloader, financial details were not getting updated as per the dataloader worksheet. This issue has been resolved.	DE186503

Rounds Designer

This topic provides a list of product changes released for this module in this version.

Table 61: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the GE Digital APM mobile application, if your Culture setting was Spanish, and you entered a reading value as a decimal with a comma separator, the comma was removed. This issue has been resolved. Note: This fix is applicable from GE Digital APM version 4.5.0.0.13.	DE181804

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 62: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed a Root Cause Analysis, and then accessed a second analysis in a new tab, the Site Reference Key for the second analysis is updated automatically to reflect the site information of the first analysis. This issue has been resolved.	DE184518

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 63: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in TM Dataloggers page, when you attempted to search for TMLs in the Select TMLs pane, that were already displayed, the search did not return the correct values. This issue has been resolved.	DE179519

V4.5.0.0.14

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 64: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, a Security User with the MI PROACT Team Member Role could not add Team Members to an RCA Analysis. This issue has been resolved.	DE183770

V4.5.0.0.13

Action Management

This topic provides a list of product changes released for this module in this version.

Table 65: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Implement Actions section, you were unable to implement an EAM Maintenance Plan when you selected actions from more than one asset. This issue has been resolved.	DE178357

Activate Licenses

This topic provides a list of product changes released for this module in this version.

Table 66: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, you were unable to import the family field metadata when the developer license was inactive. This issue has been resolved.	DE180225

APM Upgrade

This topic provides a list of product changes released for this module in this version.

Table 67: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the Revert to Baseline tool for state machines did not display the baseline states correctly. This issue has been resolved. Additionally, the UI access to the tool has also been enhanced.	DE178783

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 68: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, you can now upload System Assessment for asset criticality analysis using the Asset Criticality Analysis (ACA) Data Loader. For more information on the updated data loader template, refer to KBA 000039286 .	US526581
Previously, when you changed a Risk Matrix that was associated with the site to a different Risk Matrix, you were still able to update the assessment using the old Risk Matrix. This issue has been resolved.	DE179369

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 69: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to apply an ASM template as master to the asset, new action IDs were generated based on the strategy ID. This issue has been resolved. Now, when you apply an ASM template as a master to the asset, you can configure if you want to copy the action ID from the template or generate new action IDs. To facilitate this change, you must delete the Action ID from the Excluded Action Fields while applying Template As Master field from the ASM Preferences tab in the ASM Admin page.	DE181478
Previously, the Action dialog was not closed when you selected the hyperlink from the action datasheet. This issue has been resolved.	DE179443
Previously, when you changed a Risk Matrix that was associated with the site to a different Risk Matrix, you were still able to update the assessment using the old Risk Matrix. This issue has been resolved.	DE179369
Previously, when the an Action implementation job was running, you were unable to create a new System Strategy . This issue has been resolved.	DE178568

Asset Strategy Optimization

This topic provides a list of product changes released for this module in this version.

Table 70: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.


Description	Tracking ID
Previously, when you attempted to add a new scenario to the Asset Strategy Optimization (ASO), there was no indication that the operation was in progress. This issue has been resolved. Now, a spinner appears until the scenario is added.	DE176349

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 71: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to access the Calibration Management Overview page with a specific asset context using a hyperlink, the Refresh icon () was not displayed on the overview page to reload the records. This issue has been resolved.	DE176065

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 72: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.


Description	Tracking ID
Previously, when you changed a Risk Matrix that was associated with the site to a different Risk Matrix, you were still able to update the assessment using the old Risk Matrix. This issue has been resolved.	DE179369

Family Management

This topic provides a list of product changes released for this module in this version.

Table 73: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Associated page for a family field, the localization button () was disabled and you could not enter a localized string in the Caption field. This issue has been resolved.	DE178269

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 74: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if an Event spanned across multiple years, there was a gap in the Event time between the end of year and start of new year. This issue has been resolved. Now, you can select the End Date Is Estimated? check box, which will set the correct time in the End Date field.	DE179059
Previously, if you entered a decimal as the value of the Unit Capacity record, the value was not recognized during performance calculations and the Performance Record was not updated. This issue has been resolved.	DE178065

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 75: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.


Description	Tracking ID
Previously, users with MI Inspection group added to their security roles were unable to create an Asset Technical Data. This issue has been resolved.	DE178131

Metrics and Scorecards

This topic provides a list of product changes released for this module in this version.

Table 76: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to update the Key Performance Indicator (KPI) measures by selecting the Update Measures button () , the values were not updated in the chart. This issue has been resolved.	DE180941

OT Connect

This topic provides a list of product changes released for this module in this version.

Table 77: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, you can now modify the log files directory for the OT Connect Adapter and the OT Connect Conductor by configuring the <code>nlog.config</code> file in the installation directory.	DE177566

Table 78: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when communication was established between the OT Connect Adapter and the Process Historian server, and if an E_Fail error occurred, the OT Connect Adapter did not return tags that were already available. Instead, the errors were sent to the OTConnect Conductor with 0 tags. This issue has been resolved. Now,evenif an error occurs, the successfully retrieved tags are sent to the OT Connect Conductor.	DE180855

Queries

This topic provides a list of product changes released for this module in this version.

Table 79: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to export formatted queries with a large result set, it resulted in high memory consumption due to all records being loaded and exported along with the execution of all business rules. This issue has been resolved. Query results will now be exported in a paginated way to reduce the memory consumption.	DE179881
Previously, if your culture setting was set to a language other than English, and you accessed the Query Results, the message text Drag a column header here to group by that column was not translated to the language based on your culture setting. This issue has been resolved. For more information on enabling translation, refer to KBA 000039427 .	DE178745

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 80: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, you can now schedule multiple Conditional Alerts using the same email address. To facilitate this enhancement, you can use the Group By field to group the records according to the email address.	DE175208

Table 81: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Document Path field, you could not specify the network path for a folder. This issue has been resolved.	US523248
Previously, if the Do not Include field in a conditional alert contained a value, the data in the email message was not formatted correctly. This issue has been resolved.	DE179476
Previously, if the query associated with a Conditional Alert contained GROUP BY function, and you scheduled multiple Conditional Alerts, then all the alerts were not executed. This issue has been resolved.	DE175298

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 82: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in System Reliability, when you assigned the Continuous Monitoring Action to a Global Event and then ran the simulation, the simulation was cancelled, and an error message occurred. This issue has been resolved. Now, the Continuous Monitoring Action is assigned only once to a Global Event.	DE179976

Reliability Centered Maintenance

This topic provides a list of product changes released for this module in this version.

Table 83: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you changed a Risk Matrix that was associated with the site to a different Risk Matrix, you were still able to update the assessment using the old Risk Matrix. This issue has been resolved.	DE179369

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

RBI 580 and RBI 581

Table 84: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you archived an RBI Analysis with a consolidated recommendation, the Inspection Tasks were not unlinked from the recommendation, and, as a result, those Inspection Tasks were unavailable for other recommendations. This issue has been resolved.	DE176430

RBI 581

Table 85: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when calculating a Thinning and Lining Damage Mechanism Evaluation where the Cladding field was set to true in the parent RBI 581 Risk Analysis, the Expected Metal Loss Fraction (Art) field was calculated using the incorrect cladding corrosion rate based on the Selected Base Material Corrosion Rate field. This issue has been resolved. Now, the Expected Metal Loss Fraction (Art) field is calculated using the cladding corrosion rate based on the Selected Cladding Material Corrosion Rate field.	DE181239

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 86: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to access a large RCA Logic Tree that had custom rules, a timeout error occurred. This issue has been resolved.	DE181866
Previously, when you imported a hypothesis from the RCA Logic Tree, you could not assign the team members to the imported RCA Verifications. This issue has been resolved.	DE179037
Previously, when State Management was enabled for a Root Cause Analysis and the analysis was in any state except Not Started, when you attempted to save the analysis as a template, an error message appeared. This issue has been resolved.	DE177707

Security Manager

This topic provides a list of product changes released for this module in this version.

Table 87: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.


Description	Tracking ID
<p>Previously, when you ran the LDAP synchronization process, only Timezone and Culture user defaults were applied to the newly synched users. This issue has been resolved. Now, when you run the LDAP synchronization process, the default UOM, Site, and Language specified in the User Defaults page is also assigned to the new users.</p> <p>Note: The default Site in the User Defaults Page is assigned to the new user only if the default Site is not configured in the LDAP or Microsoft Active Directory.</p>	US534054
<p>Previously, when you attempted to create a new Conditional Alert record, if you selected an email recipient from the Fixed Distribution or the Optional Distribution List drop-down list box, and then saved the record, the Conditional Alert email was not sent to the recipient. This issue has been resolved.</p>	DE178399
<p>Previously, when you ran the LDAP synchronization process with Enable Password Change setting enabled, the synched users were unable to login to the GE Digital APM, and an error message appeared indicating that user's password has expired, even though the password had not expired in the Active Directory. This issue has been resolved.</p> <p>Additionally, if a synched user's password has expired in the Active Directory, the user is now redirected to the Change Password window.</p>	DE176825

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 88: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when a template was applied on a Protective Instrument Loop, there was no indication provided to the user of any progress. This issue has been resolved. A busy indicator() has been added to resolve this issue.</p>	DE179352
<p>Previously, when you updated any field in an Instrumented Function and attempted to switch to another Instrumented Function, sometimes, the pop up for the unsaved changes did not appear. This issue has been resolved.</p>	DE179351

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 89: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when multiple Thickness Measurement Location (TML) records had a Measurement Not Taken (MNT) record as the last active measurement, and the TML's Controlling Corrosion Rate was less than the asset's Controlling Corrosion Rate, the following fields were populated and displayed as expected in the Analysis Output section:</p> <ul style="list-style-type: none"> • Asset Average Corrosion Rate • Asset Average Corrosion Rate Next Inspection Date • Asset Average Corrosion Rate Remaining Life • Asset Average Corrosion Rate Retirement Date <p>However, if the data for other Thickness Measurement Location records in the asset were updated such that the asset's Controlling Corrosion Rate was less than at least one of the previously mentioned Thickness Measurement Location's while still being greater than the Controlling Corrosion rate on other TMLs with MNT drivers, the fields listed above were not cleared and the Analysis Output section displayed old data. This issue has been resolved.</p> <p>Note: It is recommended that you use the TM Bulk Analysis feature to recalculate assets that have Measurement Not Taken records as the last measurement on any Thickness Measurement Locations. For more information on how to identify these assets, refer to the KBA 000037654.</p>	DE181093

V4.5.0.0.12

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 90: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, if your language setting in GE Digital APM was not English, the menu links in the Associated Page were displayed in English. This issue has been resolved. Now, the menu links are displayed in the language based on your setting.</p>	DE177595

V4.5.0.0.11

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 91: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, the Search feature in the Team Members tab has been enhanced to provide more precise results. Now, when you search for a team member, to assign to an analysis, the search results include records where the search term is found in the following fields, along with the team member's first name and last name: <ul style="list-style-type: none"> • Full Name • Job Title • Phone number • Email address 	US517491
To enhance usability, in ACA Analysis, when you attempt to modify the criticality assessment after the Risk Matrix has been modified, a confirmation window now appears, allowing you to choose if you want to reassess the criticality using the new Risk Matrix or using the Risk Matrix that was used for the existing assessment.	US395200

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 92: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you performed a search for an asset in the Asset Hierarchy section, and selected an asset from the search results, and then selected Home in the breadcrumb, the list of assets was not displayed. This issue has been resolved. Now, the breadcrumbs are not displayed in the search results page. You can select the Go to Top button to view the list of assets.	DE173036

Asset Strategy Implementation

This topic provides a list of product changes released for this module in this version.

Table 93: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance the readability, in the ASI Package workspace, when you select the Manage Maintenance Package field, the Manage Maintenance window now displays the maintenance cycle text along with the package number.	US516824

Table 94: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you imported a task list from SAP, the Unit of Measure for Material fields and the fields in the Process Resource Tool (PRT) record were displayed incorrectly. This issue has been resolved.	DE174066
Previously, when you send the operation data from ASI to SAP, the long text value was not aligned properly in SAP. This issue has been resolved.	DE172378
Previously, the standard texts were incorrectly sent to SAP during package implementation. This issue has been resolved.	DE172298
Previously, in an ASI Package, when you imported an operation with maintenance package, some maintenance packages were not imported as expected. This issue has been resolved.	DE172296
Previously, as a non-English language user, when you attempted to transmit data to and from SAP, an error occurred. This issue has been resolved.	DE172292

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 95: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, when you attempt to modify the risk assessment after the Risk Matrix has been modified, a confirmation window now appears, allowing you to choose if you want to reassess the risk using the new Risk Matrix or using the Risk Matrix that was used for the existing assessment.	US521430
To enhance usability, you can now export Asset Strategy and Asset Strategy Template, even if the Risk Matrix associated with the Asset Strategy or Asset Strategy Template site was modified. In addition, you can use the Asset Strategy Management (ASM) and Asset Strategy Management (ASM) Templates Data Loaders to import new risk Assessments using the modified Risk Matrix.	US519043

Table 96: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to load data using the Asset Strategy Management (ASM) Data Loader, you could not disable the auto population of ACA Assessment. This issue has been resolved. Now, a new column Copy ACA Assessment has been added to the Asset Strategy Management (ASM) data loader template file, where you can specify whether you want to auto populate the ACA assessment or not. For more information on specifying whether you want to auto populate the ACA assessment or not, refer to KBA 000038889 .	US512908
Previously, in a Controlled Strategy, when you created an action, the Action ID that was generated was not unique. This issue has been resolved.	DE174884
Previously, when you attempted to make a copy of an Asset Strategy template with the custom fields that were set as the Required Behavior, an error occurred. This issue has been resolved.	DE174607

Description	Tracking ID
Previously, when you attempted to implement a package with Process Resource Tool (PRT) linked to the operations, an error occurred. This issue has been resolved. Now, you can only import the document type PRT from SAP. You cannot modify or push the PRT records to SAP.	DE173750
Previously, when you attempted to consolidate recommendations through the Recommendations window, after you selected Merge Remaining Unselected , and then selected Consolidate , the spinner continued for an indefinite time span. This issue has been resolved.	DE172681

Asset Strategy Optimization

This topic provides a list of product changes released for this module in this version.

Table 97: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Action Optimization page, the Action name did not appear properly if the name was too long. This issue has been resolved. Now, you can hover over the Action name and view the entire name in the tooltip.	DE174201

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 98: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to open a Functional Test Template, an error occurred while loading the record from an Oracle data source. This issue has been resolved.	DE174092

Data Loaders

This topic provides a list of product changes released for this module in this version.

Table 99: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to synchronize Work Histories from an EAM system, some deleted Work History records were not removed during the execution of the Object List Synchronization step. This issue has been resolved.	DE173835

Email Settings

This topic provides a list of product changes released for this module in this version.

Table 100: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the subject of the email notification for Conditional Alert was prefixed by Predix APM. This issue has been resolved.	DE175310

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 101: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, in FMEA Analysis, when you attempt to modify the criticality assessment after the Risk Matrix has been modified, a confirmation window now appears, allowing you to choose if you want to reassess the criticality using the new Risk Matrix or using the Risk Matrix that was used for the existing assessment.	US521429
To enhance usability, you can now export FMEA Analyses, FMEA Analysis Templates and FMEA Asset Templates, even if the Risk Matrix associated with the analysis site was modified. In addition, you can use the FMEA Data Loader to import new risk Assessments using the modified Risk Matrix.	US513022
To improve performance, the Save as Template functionality has been converted to a background job. In case of an error, the corresponding details are available in the job status, which appears in a separate window on the same page.	DE172303

Table 102: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to load data using the Failure Modes and Effects Analysis (FMEA) analysis Data Loader, you could not disable the auto population of ACA Assessment. This issue has been resolved. Now, a new column Copy ACA Assessment has been added to the Failure Modes and Effects Analysis (FMEA) data loader template file, where you can specify whether you want to auto populate the ACA assessment or not. For more information on specifying whether you want to auto populate the ACA assessment or not, refer to KBA 000038889 .	US512908
Previously, the Decision Logic Builder was not working as expected. This issue has been resolved.	DE171693

Family Management

This topic provides a list of product changes released for this module in this version.

Table 103: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you deleted a field from a family, if the field was included in the ID Template for the family, the Manage ID Template window did not appear when you attempted to edit the family ID template. This issue has been resolved.	DE172299

Family Policies

This topic provides a list of product changes released for this module in this version.

Table 104: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in GE Digital APM systems that used R Server 8.0.0, when you attempted to execute R Scripts with input data frame that contained numeric or Boolean values in the first column, an error occurred. This issue has been resolved.	DE175271

General Dashboards

This topic provides a list of product changes released for this module in this version.

Table 105: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in some scenarios, the Query widget did not display any query results. This issue has been resolved.	DE173979
Previously, when you navigated to a dashboard tab that was already open, the graph widget in the dashboard did not display as expected. This issue has been resolved.	DE171544

Layers of Protection Analysis

This topic provides a list of product changes released for this module in this version.

Table 106: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, you can now create a copy of Layer of Protection Analysis (LOPA). To facilitate this enhancement, a new button, Copy LOPA has been added under Approved tab and Under Review tab of the LOPA Overview page.	US522146

Table 107: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, you could delete the Initiating Events in the LOPA Admin Preferences page in Application Settings , even though the Initiating Events were linked to a LOPA analysis. This issue has been resolved. Now, you can delete only those Initiating Events which are not linked to any LOPA analysis.	DE173505

Policy Designer

This topic provides a list of product changes released for this module in this version.

Table 108: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, on GE Digital APM systems that used R Server 8.0.0, when you attempted to execute R Scripts with input data frame that contained numeric or Boolean values in the first column, an error occurred. This issue has been resolved.	DE175271

Production Loss Analysis

This topic provides a list of product changes released for this module in this version.

Table 109: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to update the Headline field value for a Production Event that contained a ~ (tilde) character, an error occurred, and the previous and updated Headline values were appended together. This issue has been resolved.	DE174222
Previously, when you attempted to create a Production Analysis from a query of Production Plans, the date settings showed a combination of numbers and letters, and an error message appeared. This issue has been resolved.	DE174051

Queries

This topic provides a list of product changes released for this module in this version.

Table 110: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when you attempted to run a custom query that contained a Date prompt, the following issues existed in the Enter parameter values window:</p> <ul style="list-style-type: none"> The date was displayed in an incorrect format. When you attempted to modify the date in the Start Date field, a dropdown list box was displayed. <p>These issues have been resolved.</p>	DE174733
<p>Previously, when you attempted to sort the results of either a formatted query or an unformatted query, the columns in the result grid were not sorted correctly. This issue has been resolved.</p>	DE174699 DE172670

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 111: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when you selected a network folder to browse for documents, if the network folder path included Chinese or other non-Latin characters, an error occurred. This issue has been resolved.</p>	DE175408
<p>Previously, when you attempted to access a record that had a large number of related records, the record did not load, and the spinner continued for an indefinite timespan. This issue has been resolved. Now, a message appears indicating that there are too many related records, and you can open the record in the Bulk Data Form.</p>	DE173915
<p>Previously, in the Record Explorer page, when you attempted to change the state of an Inspection Recommendation, the Template ID or that record was not updated. This issue has been resolved.</p>	DE172295

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 112: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, in Reliability Distribution Analysis, for an analysis that had the I have Failures without Replacement (as good as old) setting enabled, the value for the mean of TTF Distribution was labelled incorrectly as MTBF in the Analysis Summary workspace. This issue has been resolved. Now, when this setting is enabled, the mean of TTF Distribution is labelled as Mean.</p>	DE173898

Reliability Centered Maintenance

This topic provides a list of product changes released for this module in this version.

Table 113: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, in RCM Analysis, when you attempt to modify the criticality assessment after the Risk Matrix has been modified, a confirmation window now appears, allowing you to choose if you want to reassess the criticality using the new Risk Matrix or using the Risk Matrix that was used for the existing assessment.	US521429
To enhance usability, the Search feature in the Team Members tab has been enhanced to provide more precise results. Now, when you search for a team member, to assign to an analysis, the search results include records where the search term is found in the following fields, along with the team member's first name and last name: <ul style="list-style-type: none"> • Full Name • Job Title • Phone number • Email address 	US517491
To enhance usability, you can now export RCM Analyses and RCM Analysis Templates, even if the Risk Matrix associated with the analysis site was modified. In addition, you can use the Reliability Centered Maintenance (RCM) Data Loader to import new risk Assessments using the modified Risk Matrix.	US513022
To improve performance, the Save as Template functionality has been converted to a background job. In case of an error, the corresponding details are available in the job status, which appears in a separate window on the same page.	DE172303

Table 114: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to load data using the Reliability Centered Maintenance (RCM) Data Loader, you could not disable the auto population of ACA Assessment. This issue has been resolved. Now, a new column Copy ACA Assessment has been added to the Reliability Centered Maintenance (RCM) data loader template file, where you can specify whether you want to auto populate the ACA assessment or not. For more information on specifying whether you want to auto populate the ACA assessment or not, refer to KBA 000038889 .	US512908
Previously, the Decision Logic Builder was not working as expected. This issue has been resolved.	DE171693

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 115: Enhancements and New Features

The following enhancements and new features have been added.


Description	Tracking ID
To enhance usability, in the RCA Overview page, you can now refresh the data and view the most recent changes. To facilitate this enhancement, a new button, Refresh  , has been added to the RCA Overview page. In addition, the content in the RCA Overview is retained when you switch between the open tabs.	US517347

Table 116: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you created an RCA Verification and saved it, the verification was assigned automatically to the Principal Analyst. This issue has been resolved. Now, when you attempt to save the verification, a window appears prompting you to assign the verification to a team member.	US522003
Previously, in RCA Verifications, when you entered more than 150 characters in the Method field, an error occurred, and the value was not updated. This issue has been resolved.	DE174731
Previously, in an RCA analysis, the SSRS Comprehensive Analysis Report included the logic image in the older logic tree design format. This issue has been resolved. Now, the SSRS report displays the logic tree in the current version user interface format.	DE174681
Previously, if you deleted or marked an RCA Verification record as complete, you continued to receive the email alerts on the due date set. This issue had been resolved.	DE173827
Previously, in the Analysis Link section of the Communicate Findings workspace, the Send button was disabled if you selected the button without adding any users. Also, you could not select the Send even after adding users, unless you refreshed the page. This issue has been resolved.	DE173571
Previously, when you viewed the Logic Tree diagram for an RCA in full-screen mode, with collapsed module navigation menu, and then if you switched back to the standard view, the Logic Tree diagram overlapped the other elements in the module navigation menu. This issue has been resolved.	DE172896
Previously, in an RCA Logic Tree , when you attempted to select the Show/Hide dropdown for the Logic Gates for a published analysis, the spinner continued for an indefinite timespan, and the RCA Logic Tree section could not load. This issue has been resolved.	DE172769

Rules

This topic provides a list of product changes released for this module in this version.

Table 117: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the GE Digital APM Rules Editor, if you added a reference from the family project under a user folder, and then reopened that family project, then the references to the family project were not resolved. This issue has been resolved.	DE173013

Security Manager

This topic provides a list of product changes released for this module in this version.

Table 118: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to perform LDAP synchronization, you were by default assigned to English (United States) culture. This issue has been resolved. Now, you are assigned to the default culture that is configured on the User Defaults page.	US516767

Single Sign-On

This topic provides a list of product changes released for this module in this version.

Table 119: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if a single data source was configured in an SSO-enabled on-prem application, and when you attempted to log in via SSO and then log out explicitly, you were automatically logged back into the application. This issue has been resolved.	DE171207

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 120: Enhancements and New Features

The following enhancements and new features have been added.



Description	Tracking ID
To enhance usability, when you attempt to modify the Risk Matrix Internal assessment after the Risk Matrix has been modified, a confirmation window now appears, allowing you to choose if you want to reassess the risk using the new Risk Matrix or using the Risk Matrix that was originally used for the assessment.	US523208
In an SIL Analysis, you can now copy an existing Proof Test Template to an Instrumented Function. To facilitate this enhancement, a new option, Copy Existing , has been added under  in the upper-right corner of the SIL Validation tab. For more information, refer to KBA 000039048.	US522147
In an SIL Analysis, you can now copy a Risk Assessment Recommendation. To facilitate this enhancement, a new icon, Copy  has been added to the Recommendation Pane of SIL Analysis. For more information, refer to KBA 000039039.	US522144

Table 121: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Protective Instrument Loop diagram, when you selected Logic Solver, the Architectural Type field was not populated. Additionally, loop results for Sensor Group and Final Element Group were mapped incorrectly to system results. These issues have been resolved.	DE174368
Previously, in SIL Analysis , there was a performance issue when you applied template for Protective Instrument Loop in the Instrumented Function. This issue has been resolved.	DE173507
Previously, in the SIL Assessments , when you entered values for the Probability of Failure on Demand (PFD) and Risk Reduction Factor (RRF) fields, the associated SIL level value was not displayed correctly. This issue has been resolved.	DE173195
Previously, in the Details section of a Proof Test Template, when you accessed a Proof Test Template Detail, the Delete , Add New , and Add Existing buttons were enabled even when the State field value for the Proof Test Template was set to a value other than Development . This issue has been resolved.	DE173016
Previously, in the SIL Assessment tab, when you attempted to create a LOPA Internal Assessment , and if you updated the value for the Spurious Trip Limit (per yr) field, and then saved the LOPA Assessment datasheet, the value for the Spurious Trip Limit (per yr) field was reset to the default value 0.01. This issue has been resolved.	DE172792
Previously, in SIL Analysis , when you updated a field in an Instrumented Function and then navigated to a different Instrumented Function, Unsaved Changes window did not appear. This issue has been resolved.	DE172336
Previously, in the Risk Matrix Assessment workspace of a SIL Analysis , you could not select the risk value as Not Applicable . This issue has been resolved.	DE171848
Previously, in SIL Analysis , when you defined a negative value for Trip Point in the Proof Test Template Details and performed a Proof Test task, the calculated result appeared as Fail in the Pass/Fail column. This issue has been resolved.	DE171849
Previously, for a Protective Instrument Loop, when you set a Logic Solver device (for example, Triconex Tricon) for which one or more failure rates were not defined in the Analog Input, Analog Output, Digital Input, or Digital output modules, an error appeared. This issue has been resolved.	DE171414

State Management

This topic provides a list of product changes released for this module in this version.

Table 122: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to transition the state of a record, the users were not validated, which resulted in validation errors. This issue has been resolved.	DE17335

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 123: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>To improve usability when sending TMLs to the Olympus 38DL Plus Ultrasonic Thickness Gage datalogger device, the following enhancements have been made:</p> <ul style="list-style-type: none"> When you send TMLs for piping assets, and if all the selected TMLs belong to the same Piping Band, the file name is displayed as the Piping Band ID. If the TMLs do not belong to the same Piping Band, the file name is displayed as the Asset ID. When you send TMLs for non-piping assets, and if all the selected TMLs belong to the same TML Group, the file name is displayed as the TML Group ID. If the TMLs do not belong to the same TML Group, the file name is displayed as the Asset ID. 	US524771
<p>To enhance usability, in the Measurement Data Entry workspace, the width of the TML ID column is now automatically adjusted based on the length of the TML ID. To facilitate this enhancement, the following changes have been made:</p> <ul style="list-style-type: none"> For TML IDs up to 80 characters, the ID is displayed as is in the TML ID column. For TML IDs greater than 80 characters in length, first 80 characters are displayed in the TML ID column. To view the complete value of the TML ID, you can hover over the TML ID field. 	US517025

Table 124: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when you attempted to view Thickness Monitoring Locations (TMLs) in the Datalogger page, or if you attempted to send TMLs to the Datalogger, the inactive TMLs were not excluded by GE Digital APM. This issue has been resolved.</p>	DE175924
<p>Previously, in the Thickness Monitoring Datalogger page, if you sent Thickness Measurement Locations to the 38DL+ device that had the Number of Readings field set to a value greater than zero, and if the Location field was not set, the TML IDs were formatted incorrectly when sent to the device. Additionally, when you attempted to receive the file back in GE Digital APM, an error occurred. This issue has been resolved.</p> <p>Note: To resolve this issue, you must install the latest Meridium Devices Service.</p>	DE174870
<p>Previously, when you attempted to access the history of any UOM field for which history was enabled, the value was displayed incorrectly when it had been updated by another user who had a different UOM setting for the field or a different representation of the decimal point (for example, comma). This issue has been resolved.</p>	DE173359
<p>Previously, in the Measurement Data Entry workspace, when you save the data for Thickness Measurement, while navigating to the next page, the data was not saved. This issue has been resolved.</p>	DE170212
<p>Previously, in the Measurements section, when you created a Thickness Measurement record as a user with a non-imperial UOM conversion set, if there were additional required fields configured on the Thickness Measurement family, the value specified in the Readings field of the Add Measurement window was incorrectly copied to the datasheet. This issue has been resolved.</p>	DE170638

V4.5.0.0.10

Foundation

V4.5.0.0.10 is an internal release focused to fix a critical issue. This defect will be included in the next patch, V4.5.0.0.11. Please find the details of the defect fixed (DE174815) below:

Table 125: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the call for GetStateAssignments in StateManagerBO was not using the shared transaction and therefore prevented queries from being executed. This issue has been resolved.	DE174815

V4.5.0.0.9

APM Mobile Application

This topic provides a list of product changes released for this module in this version.

Table 126: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve accessibility, you can now login to the GE Digital APM mobile application without adding the proxy details (/ ?custom_sso=1) in the Server box on the Login page of the GE Digital APM mobile application.	DE161732

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 127: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the status of Update SAP job overlapped with the status of Send To job. This issue has been resolved.	DE165607

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 128: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to create a query-based Asset Group using a query that returned a large number of results, an error occurred, and the asset group was not saved. This issue has been resolved.	DE164894

Asset Strategy Implementation

This topic provides a list of product changes released for this module in this version.

Table 129: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the ASI Package workspace, even after the Task List in SAP was linked to the Maintenance Item, the loading spinner continued to spin indefinitely. This issue has been resolved.	DE165557
Previously, when the Process Resource Tool (PRT) feature was enabled, the Unlink Implementation option was not available in the Manage Actions section of a package. This issue has been resolved. For more information on importing the linked query, refer to KBA 000038540	DE164206
Previously, when you attempted to delete a custom Work Management Item record, an error occurred. This issue has been resolved.	DE163207

Asset Strategy Optimization

This topic provides a list of product changes released for this module in this version.

Table 130: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the simulation for optimizing an asset strategy did not get completed if custom rules were defined in the strategy. This issue has been resolved.	DE168617

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 131: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you created an Applied Profile Template of type Analog-Manual with the Perform Square Root field value set to Yes , the values in the Percent of Scale Test Point field in the Template Detail records were generated as linear values. This issue has been fixed. Now, the test point values are generated as square root values.	DE169544
Previously, when you created a Functional Test Calibration template, you were unable to add more than 25 steps. This issue has been resolved. Now, you can add additional steps to the template by creating calibration strategies.	DE162190

Compliance Management

This topic provides a list of product changes released for this module in this version.

Table 132: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you approved an Inspection Plan with a Superseded Master Recommended Action in the Not Required state, an action was erroneously created and linked to the Master Recommended Action. This issue has been resolved. Now, when you approve an Inspection Plan, no actions are created for Recommended Actions in the Not Required state.	DE165844
Previously, in the Inspection Plan page for an asset, if an error occurred when you attempted to supersede a recommendation, the error message was not displayed. This issue has been resolved.	DE165408

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 133: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you customized the default Risk Matrix, and exported an analysis that was associated with the default Risk Matrix, the export failed with an incorrect error message. This issue has been resolved.	DE169622
Previously, when you attempted to load multiple analyses in a single batch using the FMEA Analysis Data Loader, the operation failed. This issue has been resolved.	DE165353

Family Policies

This topic provides a list of product changes released for this module in this version.

Table 134: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when your GE Digital APM system used the Machine Learning Server to execute R Scripts, and you executed or validated a policy where the R Script had an error, the R Script Node did not display an error message and null output values were passed to the successor nodes in the policy. This issue has been resolved. Now the error message is shown in the R Script Node, the successor nodes are not executed, and the policy execution results in an error.	DE163896

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 135: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
The NERC reporting requirements for NERC GADS Performance Report 05 have been updated for the following fields: <ul style="list-style-type: none"> Planned Outage Hours Maintenance Outage Hours 	US511309

Import and Export

This topic provides a list of product changes released for this module in this version.

Table 136: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you were connected to an Oracle Database, and then imported a family for which State Functionality was enabled, the import failed. This issue has been resolved.	DE170123

Inspection Field Data Collection

This topic provides a list of product changes released for this module in this version.

Table 137: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you added a system code to a drop-down list box associated with the Checklist Finding family, and then added the drop-down list box to an offline form associated with the family, the system code value did not appear in the drop-down list box, when you accessed an inspection for the family in the Inspection Field Data Collection page. This issue has been resolved.	DE167899

Installation

This topic provides a list of product changes released for this module in this version.

Table 138: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, abandoned message queues were created in ActiveMQ . This issue has been resolved. Now, message queues are updated to eliminate the abandoned queues.	US501623

Life Cycle Cost Analysis

This topic provides a list of product changes released for this module in this version.

Table 139: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, as a non-English language user, you were unable to apply Declining Balance Factor for the Depreciation Method . This issue has been resolved.	DE163496

Policy Designer

This topic provides a list of product changes released for this module in this version.

Table 140: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when there was a high load on the ActiveMQ queues, some policies failed to execute. This issue has been resolved.	DE167720
Previously, when your GE Digital APM system used the Machine Learning Server to execute R Scripts, and you executed or validated a policy where the R Script had an error, the R Script Node did not display an error message and null output values were passed to the successor nodes in the policy. This issue has been resolved. Now the error message is shown in the R Script Node, the successor nodes are not executed, and the policy execution results in an error.	DE163896

Production Loss Analysis

This topic provides a list of product changes released for this module in this version.

Table 141: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you created a Production Analysis, the selected profit margins were not imported from the Production Profile. This issue has been resolved.	DE167165

Queries

This topic provides a list of product changes released for this module in this version.

Table 142: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to sort the column values in the Results workspace of a distinct or union query, an error occurred. This issue has been resolved.	DE165616

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 143: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you scheduled a conditional alert to be run at specific intervals, the time stamp in the conditional alert email appeared incorrectly. This issue has been resolved.	DE166147

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 144: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you added content in the Reliability Spares Analysis, and then changed the application name, the newly added content was lost. This issue has been resolved.	DE169293

Reliability Centered Management

This topic provides a list of product changes released for this module in this version.

Table 145: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you customized the default Risk Matrix, and exported an analysis that was associated with the default Risk Matrix, the export failed with an incorrect error message. This issue has been resolved.	DE169622
Previously, when you attempted to load multiple analyses in a single batch using the RCM Analysis Data Loader, the operation failed. This issue has been resolved.	DE165353

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

RBI 580 and 581

Table 146: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you bulk generated recommendations for analyses on components linked to the same parent asset in the Active section in the RBI Bulk Evergreening workspace, the recommendations were not consolidated. This issue has been resolved. Now, when you generate a recommendation, and then select Yes in the Confirm Bulk Generate Recommendations window, the recommendations are consolidated based on Degradation Mechanism and Task Type.	DE168132
Previously, when you approved an Inspection Plan with a Consolidated or Superseded Master Recommended Action in the Not Required state, an action was erroneously created and linked to the Master Recommended Action. This issue has been resolved. Now, when you approve an Inspection Plan, no actions are created for Recommended Actions in the Not Required state.	DE165844
Previously, in the Inspection Plan page for an asset, if an error occurred when you attempted to supersede a recommendation, the error message was not displayed. This issue has been resolved.	DE165408

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 147: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the load time for an RCA Logic tree was slow due to the additional features added to the tree nodes. This issue has been resolved. Now, the load time has been significantly improved.	DE168546
Previously, when an RCA Team Member with an assigned verification was removed from the Verification, an error occurred when you attempted to navigate to the RCA Overview page. This issue has been resolved.	DE167076
Previously, in an RCA recommendation, when you enabled the State to Status mappings, and completed the Recommendation from the Recommendation Panel , the Implementation Date and Status field values did not get updated. This issue has been resolved.	DE167034
Previously, in the Preserve Records workspace, if your culture setting had a culture other than English, multiple fields were not translated to the language based on your culture setting. This issue has been resolved.	DE164841
Previously, in an RCA Logic Tree, when the verification alert was enabled, the email message was not received on the alert due date. This issue has been resolved.	DE164648
Previously, in a Logic Tree diagram, when you added a Hypothesis to the diagram, an error message occurred. This issue has been resolved.	DE163638

Security Manager

This topic provides a list of product changes released for this module in this version.

Table 148: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
Performance during the LDAP synchronization process has been significantly improved.	US512970

Table 149: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you scheduled an LDAP synchronization job, the job failed after running for five minutes, and an error occurred due to session expiry. This issue has been resolved.	DE168178

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 150: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you added a custom device with a linked equipment to a Final Element or a Sensor and attempted to update the related Sensor Group or Final Element Group, an error occurred. This issue has been resolved.	DE168156
Previously, for a Protective Instrument Loop that used the ExSILentia V4 Calculation Engine, the values for SIL-Achieved and Architectural Constraints fields were incorrectly displayed. This issue has been resolved.	DE164675
Previously, when you created a new SIL Analysis, Instrumented Function, Safety Instrumented System, or Protective Instrument Loop Element or updated the existing ones, the Modified By and the Modified Date fields did not display correct values. This issue has been resolved.	DE164307

State Management

This topic provides a list of product changes released for this module in this version.

Table 151: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to transition the state of a record, the users in the state assignment drop-down list box were loaded all at once, which resulted in performance issues. This issue has been resolved. Now, the list of users is loaded and displayed as you scroll, and is searchable.	DE161669

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 152: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>To continue the device support for Olympus (Panametrics) 38DL Plus Ultrasonic Thickness Gage in GE Digital APM, the Meridium Device Service has been updated to support the new driver update.</p> <p>To facilitate this update, when you install the latest version of the Meridium Device Service, you must install the latest version of the Olympus GageView software, which includes the specified drivers update. Similarly, if you have installed the latest version of the Olympus GageView software, you must install the latest Meridium Device Service.</p>	US511879

Table 153: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when you created settings for an asset in the Corrosion Analysis Settings workspace, if you had selected any Inspection Type other than UT, a duplicate analysis record was created. This issue has been resolved.</p>	DE169667
<p>Previously, when you selected more than 10,000 TMLs in the Send To section of the Datalogger page, a message appeared indicating that there were too many TMLs to display, but you were able to share the data to any selected device. However, if you switched to other tabs in the GE Digital APM and then accessed the Datalogger page again, the grid would attempt to load the selected TMLs, and a query execution error appeared. This issue has been resolved. Now, the grid does not attempt to load the selected TMLs, and no error message appears.</p>	DE169168
<p>Previously, in the Analysis Overview page, when you scrolled through the left navigation pane for an asset or a TML Group that had more than 25 directly linked TMLs, modified and saved a TML, and then navigated back to the asset or TML Group, the TML list in the left navigation pane was incorrectly displayed. This issue has been resolved.</p>	DE168992
<p>Previously, when you created a TML Record using the Create TML window, you were able to create TMLs with duplicate IDs, even though an error was expected. This issue has been resolved.</p>	DE166196
<p>Previously, in the Datalogger page, you were able to select up to 10,000 TMLs to review while using an SQL database. However, an error appeared preventing you from sending the selected TMLs to the device. This issue has been resolved. Now, you can send up to 10,000 TMLs selected to the device directly. However, all the 10,000 TMLs do not appear in the grid, as the maximum number of TMLs displayed in the grid are limited to 5,000 for an SQL Database. For an Oracle database, the selection limit is 1,000 TMLs.</p>	DE166085
<p>Previously, when you viewed the Details page of a TML Group and switched to other tabs in GE Digital APM and then navigated back to the Details page tab of the TML Group, the corresponding TML Group did not appear as selected in the tree and the datasheet failed to appear. This issue has been resolved.</p>	DE166077
<p>Previously, in the Analysis Overview page of an asset, when you attempted to view the TMLs section for an asset with more than 1,000 TMLs in an Oracle database, an error appeared. This issue has been resolved.</p>	DE165915

Description	Tracking ID
Previously, in the TM Dataloggers page, you were able to select up to 10,000 TMLs to review while using an SQL database. However, an error appeared preventing you from sending the selected TMLs to the device. This issue has been resolved. Now, you can send up to 10,000 selected TMLs to the device directly. However, all the 10,000 TMLs do not appear in the grid, as the maximum number of TMLs displayed in the grid are limited to 5,000 for an SQL Database. For an Oracle database, the selection limit is 1,000 TMLs.	DE165647
Previously, when your culture settings used numeric values formatted using comma as the radix, then the numeric values in the TML Data in the Datalogger section of the Send To page appeared incorrectly. This issue has been resolved.	DE165158
Previously, in the Analysis Output section, when you selected a link for the Thickness Measurement Location in the View All window, an incorrect Thickness Measurement Location record appeared. This issue has been resolved.	DE164325
Previously, if there were Thickness Measurements associated with the Thickness Measurement Locations, and then you attempted to delete a piping component, the action failed. This issue has been resolved.	DE164158

V4.5.0.0.8

APM System Requirements

This topic provides a list of product changes released for this module in this version.

Table 154: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve security, you can now implement the user authentication for the Elastic Search using the X-Pack security by upgrading to Elastic Search V6.8. For more information on upgrading the Elastic Search, refer to KBA 000038254.	US488652

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 155: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the ACA Dataloader was unable to validate the risk values in the risk matrix correctly. This issue has been resolved.	DE162512
Previously, the custom validation exception message set as per the delete rule for asset criticality analysis system, did not appear on the ACA Overview page. This issue has been resolved.	DE160024
Previously, in the ACA Overview page, the query for displaying all assets was getting called multiple times while loading data in the result grid. This degraded the performance of GE Digital APM. This issue has been resolved.	DE158366

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 156: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you searched for an asset in the Asset Hierarchy , the search failed if more than 2100 assets matched the search term. This issue has been resolved.	DE162017

Asset Strategy Implementation

This topic provides a list of product changes released for this module in this version.

Table 157: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you updated an ASI Package with changes to its maintenance item, the Last Changed Date of its corresponding maintenance plan was also updated in SAP. This issue has been resolved. Note: For this change to take effect, SAP notes 3062714 and 3071508 are required.	DE161499

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 158: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you applied the ASM Template as the master, Action ID field was same for all action in the Implement Action Tab. This issue has been resolved.	DE162187
Previously, when you refreshed a Scorecard or scheduled a KPI with a start date greater than the current date in the Start field, the value in column SCHEDULE NEXT RUN DATE in the Metrics and Scorecards overview page for the KPI linked to the Scorecard was not displayed. This issue has been resolved.	DE162062
Previously, when you uploaded multiple strategies into GE Digital APM using an ASM dataloader file, an error occurred. This issue has been resolved.	DE161999
Previously, when you attempted to change the state of a strategy from Modified to Proposed or from Pending Review to Rework, an error occurred. This issue has been resolved.	DE161347

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 159: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the performance of the GE Digital APM slowed down when you attempted to create a manual calibration in Calibration Management. This issue has been resolved.	DE162181
Previously, in a multi-component Calibration Event record, when you selected a value for the Cylinder ID field, and saved the record, only the cylinder expiry date was recorded, while the Laboratory Number field was not populated in the multi-component identification datasheet. This issue has been resolved.	DE160628

eLog

This topic provides a list of product changes released for this module in this version.

Table 160: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to create a new Shift in the eLog Administrator page, you could not search for the child functional locations in the asset hierarchy tree using the filter search available in the Shifts section. This issue has been resolved. Now, irrespective of the level you are at, the search is performed on the complete FLOC and the result shows both the parent and child functional locations.	DE160239

Family Management

This topic provides a list of product changes released for this module in this version.

Table 161: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to update the Template ID , you had to save the changes twice to see the updates across all the family records. This issue has been resolved.	DE160266

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 162: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously in an Event Record, the Gross Available Capacity and Net Available Capacity field values were incorrectly calculated. This issue has been resolved. Now the above fields are calculated as follows: Gross Available Capacity = Gross Dependable Capacity - Gross Derate Amount Net Available Capacity = Net Dependable Capacity - Net Derate Amount	DE162961
Previously, when you created GAA events that had overlapping date range, the value of the Gross Dependable Capacity and Net Dependable Capacity fields were blank. This issue has been resolved.	DE162428

Hazards Analysis

This topic provides a list of product changes released for this module in this version.

Table 163: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in HAZOP Analysis and What IF Analysis, when you updated the IPL checklist in the Safeguard datasheet, an error occurred. This issue has been resolved.	DE164054

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 164: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, Task Execution records were not created for non-recurring Inspection Tasks when the Inspection Task Complete field was selected for an associated inspection event. This issue has been resolved.	DE162906

Manage Translations

This topic provides a list of product changes released for this module in this version.

Table 165: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, the following issues existed in localization:</p> <ul style="list-style-type: none"> In a load balanced environment, due to the incorrect Base URL, the localization data failed to sync between the servers. Now, the Base URL has been updated. When your culture setting was set to Portuguese and you attempted to load the custom application data, the custom file was loaded with redundant baseline data. This significantly increased the file size during every custom change. When you attempted to load the custom metadata files, the baseline data was written to custom metadata files. This increased the file size. <p>These issues have been resolved.</p>	DE161600

Metrics and Scorecards

This topic provides a list of product changes released for this module in this version.

Table 166: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you had user privileges, you could also view all sites that were accessible with Administrator privileges. This issue has been resolved. Now, with user privileges you can view the user assigned sites only.	DE161405

OT Connect

This topic provides a list of product changes released for this module in this version.

Table 167: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, while creating Health Indicators, if you had assigned decimal values for the upper and lower limit fields of Health Indicators, they were displayed as integer values and an error message appeared. This issue has been resolved. You can now assign decimal values for the Health Indicator limits.	DE159986

Policy Designer

This topic provides a list of product changes released for this module in this version.

Table 168: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you executed a policy where a Close Event node followed an Or node, and a calculation or comparison node preceding the same Or node was not executed due to the policy logic, an error occurred and the policy event was not closed. This issue has been resolved.	DE159618

Production Loss Analysis

This topic provides a list of product changes released for this module in this version.

Table 169: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in PLA Data Loader, field options were provided in the template to overwrite or skip an existing plan when you selected the skip or regenerate fields. However, this removed the capability to append data in existing plans. This issue has been resolved. These fields have now been removed.	US492671
Previously, in the Bulk Data Entries functionality, you did not receive a warning message informing that the existing data would be overwritten. This issue has been resolved. Now, you receive a warning message at the start of the workflow wizard.	DE160326

Queries

This topic provides a list of product changes released for this module in this version.

Table 170: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, while creating a query, if you selected a stored catalog query as the query source from the Design workspace, and the query name started with a numeric character, an error occurred. This issue has been resolved.	DE160642

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 171: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you created a record in a custom family with a Master-detail datasheet, and if the State Management feature was disabled for that family, you could not create a record successfully. This issue has been resolved.	DE160640
Previously, if an error occurred during state transition, a generic error message appeared that did not provide any error details. This issue has been resolved. Now, the error message contains detailed information about the error.	DE160055

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 172: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when a new automation rule was run, the target Reliability Analyses were not updated with the latest data. This issue has been resolved.	DE161365

Reliability Centered Maintenance

This topic provides a list of product changes released for this module in this version.

Table 173: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to import data through dataloader, the operation timed out if the excel file had a large number of Failure Effects and Recommendations. This issue has been resolved.	DE160466

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

RBI 580 and 581

Table 174: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the RBI Corrosion Loop table in the Unit Summary workspace took a long time to load. Now, performance improvements have been made to reduce the time to load the table.	DE161301
Previously, an error occurred when you selected the Create New Corrosion Loop button while the corrosion loops were loading in the RBI Unit Summary workspace. This issue has been resolved. Now, the Create New Corrosion Loop button remains disabled until the corrosion loops are loaded on the RBI Unit Summary.	
Previously, users with the MI Inspection Plan Approver group permissions were unable to approve an Inspection Plan. This issue has been resolved.	DE161149

RBI 581

Table 175: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when calculating an RBI 581 Risk Analysis on an RBI Component with a Criticality Item Type of Storage Tank, the Financial Risk –RBI Date, the Financial Risk –With Plan, and the Financial Risk –Without Plan fields were not considering the AST Environmental Cost. This issue has been resolved. The Financial Risk fields is now calculated using the Total Financial Consequence field on the RBI 581 Consequence Evaluation which includes the AST Environmental Cost.	DE164361

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 176: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, users were not able to see the datasheet for a published analysis. This issue has been resolved.	DE162575
Previously, in the grid below the Hypothesis Verification chart, the details in the Hypothesis and Team Members fields were not populated. This issue has been resolved.	DE162534
Previously, in the RCA Event Timeline diagram, when you hovered over an Event Flag, the tooltip was aligned incorrectly. This issue has been resolved. Now, the tooltip appears next to the selected flag.	DE162072
Previously, you could not save an RCA recommendation if the assignment due date had passed. This issue has been resolved.	DE160147
Previously, when you modified the RCA Event Diagram, if the node title contained more than 30 characters, the browser closed unexpectedly when you attempted to save the changes. This issue has been resolved.	DE158450

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 177: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, the following fields in LOPA did not display the accurate values:</p> <ul style="list-style-type: none"> Mitigated Consequence Frequency Unmitigated Consequence Frequency Required PIF Risk Reduction Factor <p>This issue has been resolved. These fields are now displayed as exponential value if the output has more than 15 decimal digits.</p>	DE162634
<p>Previously, when you created a new or updated an existing SIS Proof Test Template, SIS Proof Test Template Detail, or SIS Proof Test, the following fields were not populated with the correct values:</p> <ul style="list-style-type: none"> Modified By Modified Date Test ID <p>This issue has been resolved.</p>	DE161592
<p>Previously, when you updated the state of a Protective Instrument Loop to a state other than Design, the fields in the Protective Instrument Device datasheet were still available for editing. This issue has been resolved.</p>	DE160441
<p>Previously, when you imported a Protected Instrument Loop into GE Digital APM and attempted to modify the Protected Instrument Loop record, an error occurred. This issue has been resolved.</p>	DE160435
<p>Previously, when you closed the Proof Test detail tab, values in some fields including the Step Sequence Number were cleared. This issue has been resolved.</p>	DE159575

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 178: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when an asset was associated with multiple piping components, the performance reduced significantly when you renewed an individual piping component. This issue has been resolved.</p>	DE161835

V4.5.0.0.7

Action Management

This topic provides a list of product changes released for this module in this version.

Table 179: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the Strategy Actions section in Action Management had performance issues. These issues have been resolved. For more information, refer to KBA 000037560 .	DE157018
Previously, when you attempted to create a predecessor operation for an initial state in recommendations, an error occurred. This issue has been resolved.	DE155709

APM Mobile Application

This topic provides a list of product changes released for this module in this version.

Table 180: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, on the GE Digital APM mobile application on an Android device, an API error occurred when you attempted to load the app into the Google Play store. This issue has been resolved. The API level is now updated, and the error does not occur during loading into Google Play store. Note: Based on the implementation of API level 29, support for Android versions is impacted as below: <ul style="list-style-type: none">• Android versions 5.0.x is not supported• Android versions 5.1.x remains the same• Android versions 6, 7, 8, and 9 are unaffected	DE157605
Previously, a route that was marked done after you had cleared its values in the GE Digital APM mobile application, entered a locked state and a warning message appeared that all readings were not uploaded. This issue has been resolved.	DE154584

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 181: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>The ability to perform criticality assessment on a system has been enhanced. To facilitate this enhancement, the following changes have been made:</p> <ul style="list-style-type: none"> The Enable System Assessment check box has been added to the ACA Administrator page. You can now perform criticality assessment on the ACA Analysis page for a system, using the risk matrix method. <p>Note: This feature is available only for sites using the risk matrix method for criticality assessment.</p>	US475412

Table 182: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you imported a data loader workbook that contained multiple criticality checklist analyses, an error occurred. This issue has been resolved.	DE156545

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 183: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, you could only edit an Asset Group that you created. This issue has been resolved. You can now modify any asset group if you are a super user or you are assigned to the MI Foundation Admin role.	DE155255
Previously, when you attempted to delete an Asset Group that contained assets, an error occurred. This issue has been resolved.	DE154388
Previously, when you created a new user assigned only to the default site, the user's site assignment was not saved. This issue has been resolved.	DE153841

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 184: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, it was taking longer durations when activating an asset strategy or it was timing out. This issue has been resolved.	DE159179
Previously, when activating a template containing controlled strategies, if you deleted an action that was already implemented, an error occurred. This issue has been resolved.	DE158109

Description	Tracking ID
Previously, when you applied a master template to multiple assets or activated a template with a large number of controlled strategies, there was a performance issue. This issue has been resolved.	DE157400
Previously, if the risk matrix categories contained a hyphen (-) character, and you attempted to load data through the ASM data loader, an error occurred. This issue has been resolved.	DE157341

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 185: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you created a Calibration Event record using a Calibration Template whose Detail records were in a random order, the associated Calibration Result records were sorted incorrectly. This issue has been resolved. Now, irrespective of the order of the Detail records, the Calibration Result records appear in the correct order based on the test sequence numbers.	DE157282

Compliance Management

This topic provides a list of product changes released for this module in this version.

Table 186: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when creating or updating an Inspection Plan based on a Compliance Strategy Template, if the policy associated with the template was executed for an asset and returned output nodes whose values did not match the Compliance Strategy ID field of the associated Compliance Strategy records, the status of the scheduled job incorrectly indicated that the Inspection Plan was created or updated successfully and no error message was added to the log file. This issue has been resolved.	DE156745

eLog

This topic provides a list of product changes released for this module in this version.

Table 187: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed the Shifts workspace of the eLog Administrator page, the functional locations hierarchy of the Functional Locations pane took longer than expected to load, and then the process timed out. This issue has been resolved.	DE157056
Previously, if an eLog assignment datasheet had more fields that can fit the window, you could not scroll down to enter data into the fields. This issue has been resolved.	DE156991
Previously, in the eLog Shift reports, the Functional Location and the source of log entries of the shift did not appear in the report. This issue has been resolved. Now, the relevant queries to create the required reports are updated and are available for import. For more information on modifying the query, refer to KBA 000037767 .	DE155562

Family Policies

This topic provides a list of product changes released for this module in this version.

Table 188: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the scheduled job to delete policy execution history did not delete all the expected records. This issue has been resolved.	DE153662

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 189: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, in the HEADER and TRAILER records of the CEA Event Report, value from the Primary Utility Code field is included instead of value from the Company Name field.	US484647
To enhance performance, in CEA events and reports, you can now include a Common Mode Outage in the Event datasheet, Performance Record, and Event Reports. To facilitate this enhancement, when creating a new Event, you can now select the type of Common Mode Outage for that Event. For more information on how to add the Common Mode Outage, refer to KBA 000037694 .	<ul style="list-style-type: none"> • US484342 • US482251

Description	Tracking ID
To enhance performance, in CEA Events, when the state of the event is moved to Unit Approved, for the CEA Event Types 11-1,11-2,14,14-1,14-2, the Cause Code System, Cause Code Component, Cause Code, Amplification Code, and Verbal Description fields in the Primary Event datasheet are no longer required fields. For more information on modifying the query, refer to KBA 000037693.	US481224
You can now see a warning message displayed for all types of Events when there is an Overlapping Event. To facilitate this enhancement, you can now select the Flag Overlapping Events option under Filter in the Events List of Unit Summary workspace. This records the overlapping events and you can find an indicator which lists the overlapping events linked to the Event.	US478289

Table 190: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, if the time zone associated with your user account was different than the time zone of the plant, and you created an event, calculations in the performance record did not consider events in the following scenarios:</p> <ul style="list-style-type: none"> • An event for which the start or end date was the last date of the year. • An event for which the start or end date was the first date of the year. <p>This issue has been resolved. Now, when you create an event, the event Start Date and End Date fields are automatically adjusted according to the time zone of the plant while creating a Performance record.</p> <p>For more information, refer to KBA 000037696.</p>	US481943
<p>Previously, when generating single or bulk Performance Record and Regulatory Reports, no error or warning messages were displayed. This issue has been resolved. Now, error or warning messages appear in the following scenarios:</p> <ul style="list-style-type: none"> • If the Performance Record is already in the approved state for a particular month and year, a warning appears when you regenerate a Performance Record. • If the Performance Record or an Event does not exist for a particular month and year, an error message appears when you regenerate a Performance Report or an Event Report. • If the Performance Record exists for a particular month and year and is not in the approved state, a warning message appears. 	<ul style="list-style-type: none"> • DE157355 • DE157354 • DE156297

Description	Tracking ID
Previously, when calculating the duration of events in performance calculation, Daylight Saving Time was not considered that resulted in incorrect values. This issue has been resolved.	DE157289
<p>Previously, in the Performance Summary section of the Performance Record, the Synchronous Condensing Hours field was populated with calculations based on the hours of Non Curtailing Events. The Synchronous Condensing Hours and Service Hours were not calculated as expected. This issue has been resolved.</p> <p>The following changes have been made:</p> <ul style="list-style-type: none"> • Synchronous Condensing Hours field is now converted to an input field, so that you can enter the hours in this field. • Non Curtailing Event Hours field is now added to the datasheet. If there are any Non Curtailing Events, the hours are shown in the Non Curtailing Event Hours field after calculations. • Synchronous Condensing Hours is now included in the warning message along with Pumping Hours and Capacity Values, to indicate the changed values after manual entry. <p>For more information, refer to KBA 000037695.</p>	DE157275

Hazards Analysis

This topic provides a list of product changes released for this module in this version.

Table 191: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to add a team member to a Hazard Analysis (HAZOP and What If), users across all sites were displayed. This issue has been resolved. Now, only the users linked with the site of the Hazard Analysis are displayed.	US482906
Previously, when you attempted to create the first System/Node for a HAZOP Analysis or a What If Analysis, an error occurred intermittently. This issue has been resolved.	DE154362

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 192: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>To enhance the usability of the mobile Field Data Collection feature, using the mobile application, the following enhancements have been made:</p> <ul style="list-style-type: none"> For images captured against Checklist Findings using the mobile application in the Field Data Collection feature, the resulting Reference Documents created after the data is synced are now linked to both the original record against which it was taken and the root inspection event record. <p>Note: The reference document stored against the Checklist Findings from the browser based workflow will not be related to the root inspection event record.</p> <ul style="list-style-type: none"> An image gallery button is added to the inspection event header which displays all the images taken for that inspection in a consolidated location. The image gallery button also displays a count of collected images and it is disabled when there are no images. For checklist inspections, similar functionality is added for each checklist category and an image button is found to the right side of each category header. All images collected against finding items within that category are displayed in the image gallery. For images against Checklist Findings, the image gallery dialog displays both the description of the Reference Document as well as the Finding Summary value from the finding record. <p>Note: The height of individual Checklist Finding rows has been increased for more visibility of the summary text.</p>	US483605

Table 193: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when you attempted to print a large number of inspection reports at a time, the print job took a long time to complete, and some of the reports were not printed. This issue has been resolved. Now, in this scenario, the failed reports will be processed automatically.</p>	DE149838

Layers Of Protection Analysis

This topic provides a list of product changes released for this module in this version.

Table 194: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when you upgraded the GE Digital APM from V3.6 to V4.5, and you attempted to modify the Layers of Protection Analysis, the Calculated SIL value changed. This issue has been resolved.</p>	DE156529

Life Cycle Cost Analysis

This topic provides a list of product changes released for this module in this version.

Table 195: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in LCC Team Members section of the Analysis Summary page, when you accessed the HR record, it opened the list of all available APM users. This issue has been resolved. Now, when you open the HR Record in Teams, it loads only the APM users with site permissions corresponding to the parent analysis.	DE157503

Management of Change

This topic provides a list of product changes released for this module in this version.

Table 196: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to add a team member to a Change Project, users across all sites were displayed. This issue has been resolved. Now, only the users linked with the site of the Change Project are displayed.	US482908

Metrics and Scorecards

This topic provides a list of product changes released for this module in this version.

Table 197: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
In the Scorecard Details page, the scorecard view that you select is now saved as your user preference.	US473927

Policy Designer

This topic provides a list of product changes released for this module in this version.

Table 198: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you triggered a large number of policy executions in rapid succession, or scheduled a policy with a large number of active instances, some of the executions were skipped. This issue has been resolved.	DE158128
Previously, you were unable to specify any language and culture other than English for policy execution results. This issue has been resolved. Now, you can configure the language and the culture for policy execution by updating the settings for the MIJOB system user.	DE155902
Previously, the scheduled job to delete policy execution history did not delete all the expected records. This issue has been resolved.	DE153662

Production Loss Analysis

This topic provides a list of product changes released for this module in this version.

Table 199: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Production Data page, the column headings of the Data Grid were not translated to the language corresponding to your culture setting. This issue has been resolved.	DS834

Queries

This topic provides a list of product changes released for this module in this version.

Table 200: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you saved a catalog query with a name containing angle brackets (i.e. <>), the name was not displayed correctly in the Query page and, when you selected the link in the Query page, the query did not open in the Query Designer page. This issue has been resolved.	DE157021
Previously, when you attempted to export a query result as an excel file, an error occurred if the result contained data in scientific format. This issue has been resolved.	DE155420

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

RBI 580

Table 201: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now hide the RBI Risk Matrix in the RBI Analysis workspace for an RBI 580 Analysis. You will still be able to access the Default Risk Matrix. To facilitate this enhancement, a new preference, Hide RBI Risk Matrix , has been added to the Global Preferences page in RBI Admin settings.	US482378

RBI 581

Table 202: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when calculating an RBI 581 Risk Analysis with a toxic mixture, if one of the following values was selected in the Toxic Model field, the Weighted Toxic Consequence Area field on the related RBI 581 Consequence Evaluation was calculated incorrectly using release mass:</p> <ul style="list-style-type: none"> • ALCL3 • CO • EE • EO • HCl • Nitric Acid • NO2 • Phosgene • Propylene Oxide • TDI <p>This issue has been resolved. Now, in this scenario, the Weighted Toxic Consequence Area field considers the release rate. For more information, refer to KBA 000037566.</p>	DE155384

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 203: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when you attempted to update a record with an external hyperlink in the TEXT field or saved the record with an external hyperlink, an error occurred, and the datasheet did not load. This issue has been resolved.</p>	DE155391
<p>Previously, in a reference document, when you added a reference to a shared directory and saved the document, an error occurred. This issue has been resolved.</p>	DE154245

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 204: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, you were not able to ignore the datapoints by clicking the datapoints on the chart. This issue has been resolved.</p>	DE158932
<p>Previously, when you customized the Target Completion Date field available in the Recommended Actions pane into an optional field, an error occurred when you attempted to create a new recommendation. This issue has been resolved.</p>	DE155211

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 205: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to load a large RCA Logic Tree, the time taken was more than expected. This issue has been resolved. Now, a few API calls have been optimized to improve the performance.	DE158265
Previously, in RCA Team Members section of the Analysis Summary page, when you accessed the HR record, it opened the list of all available APM users. This issue has been resolved. Now, when you open the HR Record in Teams, it loads only the APM users with site permissions corresponding to the parent analysis.	DE157503
Previously, the list of users in the Team Members section of a Root Cause Analysis, took a long time to load. This issue has been resolved. Note: The first 25 users are displayed first, and the additional users are added to the list as you scroll.	DE157482
Previously, when you accessed the RCA Event Diagram originating from GE Digital APM V3 in GE Digital APM V4, the nodes did not appear as expected. This issue has been resolved.	DE156999
Previously, in the Team Members tab of the RCA Analysis Summary section, as an MI RCA PROACT Admin you were unable to modify the Team Member permissions when you were not part of that Team on an RCA Analysis. This issue has been resolved.	DE156389
Previously, when you accessed the RCA Event Diagram for existing analyses, some icons did not appear in the Palette section. This issue has been resolved.	DE156112
Previously, for an RCA Preserve Item Record, you received an email for the Preserved Items that were due. The hyperlink included in this email message did not work as expected. This issue has been resolved.	DE155281
Previously, when you customized the Target Completion Date field available in the Recommended Actions pane into an optional field, an error occurred when you attempted to create a new recommendation. This issue has been resolved.	DE155211

Rounds Data Collection

This topic provides a list of product changes released for this module in this version.

Table 206: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, a route that was marked done after you had cleared its values in the GE Digital APM mobile application, entered a locked state and a warning message appeared that all readings were not uploaded. This issue has been resolved now.	DE154584

Rounds Designer

This topic provides a list of product changes released for this module in this version.

Table 207: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, some queries that supported data loaders were not functioning as expected. This issue has been resolved. The specific queries have now been updated to improve performance for the supported data loaders.	DE156647

SAP Adapters

This topic provides a list of product changes released for this module in this version.

Table 208: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
ECC6 ABAP code has successfully completed the SAP ABAP Security Code Scan Assessment on April 13, 2021 and is documented in the report number 18188. As per this report, the overview confirms the execution of the vendor product in accordance with SAP security guidelines. It, however, does not guarantee that the product is risk-free. A successful execution indicates that all the security flaws classified as "Priority 1" and "Priority 2" have been resolved or mitigated.	US477932

Table 209: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you ran the Work Management Integration Adapter, and then attempted to update the tasks, the relationship between the tasks and a few workflow specific objects was removed. This issue has been resolved.	DE156246

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 210: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to add a team member to an SIL Analysis, users across all sites were displayed. This issue has been resolved. Now, only the users linked with the site of the SIL Analysis are displayed.	US482905
Previously, when you used the Import from Exida functionality in SIL Analysis, the performance of GE Digital APM was not as expected if there were a large number of analyses present in APM. This issue has been resolved.	DE158039
Previously, when you used the Export to Exida functionality in SIL Analysis, the performance of GE Digital APM was not as expected, if there were a large number of analyses present in APM. This issue has been resolved.	DE157727
Previously, if the Hazards Analysis license was not active in GE Digital APM, when you attempted to add a team member to the team associated with a Safety Integrity Level (SIL) Analysis, an error occurred. This issue has been resolved.	DE156236

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 211: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed the T-Min Calculator page in Thickness Monitoring, 1000 TMLs were displayed per page. This resulted in performance degradation when T-Min for the collection of TMLs was calculated. This issue has been resolved. Now 100 TMLs is displayed per page.	DE159213
Previously, when a Thickness Measurement Location had a Skipped Measurement record as its last active measurement and you updated the data for the other TML records in the asset, the Analysis Output section did not display updated data for the following fields if the Controlling Corrosion Rate of the asset became less than the TML's Controlling Corrosion Rate. <ul style="list-style-type: none"> • Asset Average Corrosion Rate • Asset Average Corrosion Rate Next Inspection Date • Asset Average Corrosion Rate Remaining Life • Asset Average Corrosion Rate Retirement Date This issue has been resolved.	DE157777

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APM Mobile Application

This topic provides a list of product changes released for this module in this version.

Table 212: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you entered readings for a route in the GE Digital APM mobile application, and under certain conditions when you applied the Only Incomplete Checkpoints filter, the readings were not saved. This issue has been resolved. Now, the GE Digital APM mobile application retains the readings.	DE154392
Previously, when the GE Digital APM mobile application was run on an iOS device and you used the drop-down data entry control to enter readings, the application would freeze sometimes. This issue has been resolved.	DE153730

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 213: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if your culture setting was set to a culture other than Invariant Language, when you attempted to export ACA analyses from the ACA Overview page, an error occurred. This issue has been resolved.	DE154689
Previously, when using risk matrix in ACA, if a risk assessment was previously defined, when you attempted to set the risk assessment to Not Applicable in each risk category, the criticality of the asset did not change to Undefined or Not Applicable. Additionally, ACA retained the risk assessment value that was previously defined. This issue has been resolved.	DE153224

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 214: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the main Asset Hierarchy page, if you switched tabs before the Asset Hierarchy loaded, the spinner continued for an indefinite timespan. This issue has been resolved. Now, a message appears after one minute suggesting you reload the page using the local page refresh control.	DE152901
Previously, when GE Digital APM was deployed in a load-balanced environment, a message appeared indicating that duplicate relationships exist in the Asset Hierarchy when there were no duplicates. This issue has been resolved.	DE152668

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 215: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if a Security Role was assigned to a state associated with the Asset Strategy family, you were unable to create a System Strategy. This issue has been resolved.	DE154781

Compliance Management

This topic provides a list of product changes released for this module in this version.

Table 216: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when approving a modified Inspection Plan that currently has Compliance Recommendations in the Implemented state and RBI Recommendations in the proposed state, the Compliance Recommendations were reverted to the Approved state. This issue has been resolved.	DE153703

Datasets

This topic provides a list of product changes released for this module in this version.

Table 217: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if a dataset with dates was exported to an Excel file and then imported, the operation failed. Additionally, if the Excel file contained dates, the date and month values were switched. These issues have been resolved.	DE153465

eLog

This topic provides a list of product changes released for this module in this version.

Table 218: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
When you link an asset to a log entry, you can now access the asset hierarchy at the functional location of the Shift or Unit, making it easier to find assets corresponding to your production unit environment.	US470521
To improve usability in the eLog Admin pages, you can now create a custom family name as a child of the eLog Assignment Family and add a drop-down picklist to the assignment template forms.	US467281

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 219: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if your culture setting was set to a culture other than Invariant Language, when you attempted to export FMEA analyses from the FMEA Overview page, an error occurred. This issue has been resolved.	DE154689

Foundation

This topic provides a list of product changes released for this module in this version.

Table 220: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if your language settings and culture settings in the GE Digital APM application were not the same, the decimal separators did not appear correctly in the values for the field to which business rules were applied. This issue has been resolved.	DE153718

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 221: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability in the GAA Unit page, the CEA reporting format has been improved when you enter a single digit for the Primary Unit Code instead of two digits. To facilitate this enhancement, the single digit entered in the Primary Unit code is now prefixed with 0 and appears as two digits in the CEA Event Report.	US472806

Table 222: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Regulatory Reports section, when you tried generating reports for contributing events, the event reports displayed incorrect formatting. This issue has been resolved.	DE155818

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 223: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when viewing an Inspection Checklist, if you attempted to resize the split view of the Checklist section to full page, or from full page to half page, the columns within the data grid of the checklist categories were misaligned. This issue has been resolved.	DE153922

Metrics and Scorecards

This topic provides a list of product changes released for this module in this version.

Table 224: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the KPI date format in tables and trend charts did not appear based on your culture settings. This issue has been resolved.	DE154666

Production Loss Analysis

This topic provides a list of product changes released for this module in this version.

Table 225: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when a PLA user with a different culture setting created Production Plan records for the same unit and start time, you could create duplicate plans and no warning message appeared. This issue has been resolved. Note: <ul style="list-style-type: none">This is not applicable to Manual Plans.For Quantity-Based Plans (Sequential or Concurrent), additional check is applied on Original Quantity.For Quantity-Based Plans (only Concurrent), the sequence of the products must be the same while using data loader.	DE153143

Queries

This topic provides a list of product changes released for this module in this version.

Table 226: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if a union query contained null values and UI filter was applied, an error occurred. This issue has been resolved.	DE154370

Reliability Centered Maintenance

This topic provides a list of product changes released for this module in this version.

Table 227: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if your culture setting was set to a culture other than Invariant Language, when you attempted to export RCM analyses from the RCM Overview page, an error occurred. This issue has been resolved.	DE154689

Reports

This topic provides a list of product changes released for this module in this version.

Table 228: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to access a report in APM Report Designer, you were required to upgrade the Report Server Project and the following issues occurred: <ul style="list-style-type: none">You could not navigate through the report using the keyboard shortcuts, Arrow keys, and Tab key.You could not delete text using the Backspace key. These issues have been resolved.	DE150138

Rounds Data Collection

This topic provides a list of product changes released for this module in this version.

Table 229: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you entered readings for a route in the GE Digital APM mobile application, and under certain conditions when you applied the Only Incomplete Checkpoints filter, the readings were not saved. This issue has been resolved. Now, the GE Digital APM mobile application retains the readings.	DE154392
Previously, on a route that was marked done with zero readings, the comments were not retained on the route history. This issue has been resolved.	DE153849
Previously, the offline data forms did not display recommendations. This issue has been resolved.	DE151457

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 230: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now unlink one or more Proof Test Task from Instrumented Functions and Logic Solvers. To facilitate this enhancement, the Unlink button is added to the Proof Test Tasks section in the Instrumented Function and Logic Solver workspaces.	DE153711

Table 231: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you ran the SRS Upgrade Utility as part of the GE Digital APM database upgrade activity, the system ran out of memory when fetching analysis records from the GE Digital APM database. This issue has been resolved. Additional logging and error checks have been added.	DE154276
Previously, when you tried to link a Sensor, Final Element, Sensor Group, Final Element Group, Sensor System, Final Element System, or a Logic Solver in a Protective Instrument Loop, an error occurred. Also, the success or failure message did not appear after the operation. This issue has been resolved.	DE154271
Previously, when you added an existing proof test task for a record, an error occurred and the proof test task list in the Proof Test Tasks section did not get refreshed. This issue has been resolved.	DE153705
Previously, when importing an .exp file, if a custom device was present in the Protective Instrument Loop, an error occurred in the calculation of the loop. This issue has been resolved.	DE153291

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 232: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when performing a Rotate or Flip operation against a Piping Component, if any calculated measurement created due to the operation had a negative value, the operation was properly halted. However, a database transaction was kept open that may have caused GE Digital APM to become unresponsive. This issue has been resolved.	DE153949

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Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 233: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in an Asset Criticality Analysis, if an EAM configuration was used with multiple systems, sometimes an incorrect EAM system was targeted and a validation error occurred. This issue has been resolved.	DE152344
Previously, if you modified the criticality of an Analysis to a lower value, the modified value did not appear in the ACA Overview dashboard. This issue has been resolved.	DE151455
Previously, when you accessed GE Digital APM using a Chrome browser, there was a performance issue while saving records through the datasheet. This issue has been resolved.	DE149743

Asset Health Manager

This topic provides a list of product changes released for this module in this version.

Table 234: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed a Health Indicator Trend Chart used with OT Connect data, the chart sometimes failed to load all data for the specified time range and the displayed data contained gaps. These issues have been resolved.	DE150255

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 235: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you upgraded from APM Classic V4.3.0.0.x to V4.5.0.0.x, the asset hierarchy filtering feature on the asset page, was not working. This issue has been resolved.	DE148774

Asset Strategy Implementation

This topic provides a list of product changes released for this module in this version.

Table 236: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed GE Digital APM using a Chrome browser, there was a performance issue while saving records through the datasheet. This issue has been resolved.	DE149743

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 237: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed GE Digital APM using a Chrome browser, there was a performance issue while saving records through the datasheet. This issue has been resolved.	DE149743

Datasets

This topic provides a list of product changes released for this module in this version.

Table 238: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if a dataset was created using an Excel file that contained a date column, the Date field in the dataset was blank. This issue has been resolved.	DE151327

Email Settings

This topic provides a list of product changes released for this module in this version.

Table 239: Enhancements and New Features

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
You will now receive email notifications from the email ID configured in the From field in the Email Settings page. Note: The subject of the email notification for Conditional Alert, KPI, and LDAP feature will now be prefixed by Predix APM.	US412675

Table 240: Obsolete Features

The following features are no longer available

Description	Tracking ID
The following fields available in the Conditional Alert datasheet are no longer functional: <ul style="list-style-type: none"> Email Subject Line Email Origin 	US412675

Failure Modes and Effects Analysis

This topic provides a list of product changes released for this module in this version.

Table 241: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed GE Digital APM using a Chrome browser, there was a performance issue while saving records through the datasheet. This issue has been resolved.	DE149743

Hazards Analysis

This topic provides a list of product changes released for this module in this version.

Table 242: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to import data using Hazards Analysis data loader, an error occurred due to incorrect validation of Sequence Number combination between Nodes, Deviations, Causes, Consequences, and Safeguards. This issue has been resolved.	DE149981

Manage Translations

This topic provides a list of product changes released for this module in this version.

Table 243: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if your Language setting was set to a language that had Cyrillic script, the system messages contained question marks instead of the actual text. This issue has been resolved.	DE149193

OT Connect

This topic provides a list of product changes released for this module in this version.

Table 244: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, tag search did not work on tags with Non-English symbols in Tag Browser and OT AHI Connector. This issue has been resolved.	DE150254

Policy Designer

This topic provides a list of product changes released for this module in this version.

Table 245: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you took ownership of a policy from a user with a culture using a different date format, and attempted to edit and save the policy, an error occurred. This issue has been resolved.	DE150659

Production Loss Analysis

This topic provides a list of product changes released for this module in this version.

Table 246: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you modified and saved a Production Event record, a blank screen appeared. This issue has been resolved.	DE149754
Previously, when linking work histories to a Production Event, if you selected nine or more work histories, the OK and Cancel buttons were not visible in default zoom settings. This issue has been resolved.	DE149753

RBI 581

This topic provides a list of product changes released for this module in this version.

Table 247: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when calculating an RBI 581 Risk Analysis that had the Component Type set to Storage Tank and a related RBI 581 Thinning Degradation Mechanism Evaluation or RBI 581 External Degradation Mechanism Evaluation, the Strength Ratio field was calculated incorrectly. This issue has been resolved.	DE151241
Previously, when calculating an RBI 581 Risk Analysis, the Final Damage Factor field for the RBI 581 Thinning and Lining Evaluation family was incorrectly calculated in the following scenarios: <ul style="list-style-type: none">• The analysis was associated with an RBI 581 Thinning Degradation Mechanism Evaluation.• The Component Type field associated with the analysis was set to Storage Tank. This issue has been resolved.	DE150383
Previously, the Calculated T-min field on 581 Risk Analyses was calculated incorrectly when Geometry Type field value was Spherical Head or Hemispherical Head. This issue has been resolved. Now, the Calculated T-min field on 581 Risk Analyses is calculated using the updated formula. For more information about the formula, refer to KBA 000037009 .	DE149237

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 248: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in record manager, when you attempted to access a record and print the datasheet, a blank document was downloaded. This issue has been resolved.	DE151474

Reliability Centered Maintenance

This topic provides a list of product changes released for this module in this version.

Table 249: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed GE Digital APM using a Chrome browser, there was a performance issue while saving records through the datasheet. This issue has been resolved.	DE149743

Reports

This topic provides a list of product changes released for this module in this version.

Table 250: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you navigated away from an SSRS report to another tab or page, an error occurred. Further, when you attempted to access any other tab or page, the error page retained. Thereby, you had to close GE Digital APM application and re-login. This issue has been resolved.	DE150112

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 251: Obsolete Features

The following features are no longer available

Description	Tracking ID
The SendGrid email service previously used in GE Digital APM is now replaced with Amazon Simple Email Service (Amazon SES), which enables the source email addresses to be set centrally for all email services from GE Digital APM. As a result, email settings in the RCA Administrator page is now removed.	US451570

Rounds Designer

This topic provides a list of product changes released for this module in this version.

Table 252: Resolved Issues

The following features are no longer available

Description	Tracking ID
Previously, when you added a checkpoint using a checkpoint template, the Equipment Technical Number did not appear when you accessed the checkpoint record. This issue has been resolved.	DE149996

Security Manager

This topic provides a list of product changes released for this module in this version.

Table 253: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you wanted to access the OT AHI Connector in the Tools menu, the membership in the MI OT Connect Viewer role was required, which consequently provided membership in the MI Configuration Role security group. As a result, membership in this role granted access to the OT AHI Connector page along with the other administrative functions in the Admin Tools menu. This issue has been resolved. Now, in this scenario, a separate MI OT Health Indicator Administrator security role is created which enables you to grant access only to OT AHI Connector.	DE150471

Search

This topic provides a list of product changes released for this module in this version.

Table 254: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you were not a Super User, when using global search to search for records associated with a family, the Linked To drop-down list box was not populated with the associated families. This issue has been resolved.	DE152315

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Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 255: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when using an EAM configuration with multiple systems, sometimes an incorrect EAM system was configured causing a validation error. This has been resolved.	DE146801

APM Mobile Application

This topic provides a list of product changes released for this module in this version.

Table 256: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the Android version of the GE Digital APM mobile application failed to authenticate when multiple redirects were required by the authentication provider. This issue has been resolved. Now, the authentication process has been updated to allow multiple redirects, which allows the process to complete.	DE149404

Calibration Management

This topic provides a list of product changes released for this module in this version.

Table 257: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you ran Calibration Data Model Upgrade Utility as part of the database upgrade activity, when processing large number of records, the utility stopped responding. In addition, system ran out of memory space during the upgrade. This issue has been resolved.	DE149197

eLog

This topic provides a list of product changes released for this module in this version.

Table 258: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, you could edit log entries that were already filled. This resulted in violations of some of the legal restrictions that need to be adhered to. To resolve this, the ability to edit log entries has been removed.	DE146448

Family Management

This topic provides a list of product changes released for this module in this version.

Table 259: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if a field behavior had IF and ELSE statements, and both were set to False, an infinite loop was created, causing GE Digital APM to crash. This issue has been resolved.	DE145156
Previously, when you selected a custom format for a numeric field, you were allowed to enter any data in the field. This issue has been resolved. Now, GE Digital APM performs a validation to make sure that the entered data is valid.	DE145146

Family Policy

This topic provides a list of product changes released for this module in this version.

Table 260: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
If you inserted, modified or deleted a record using a policy running on a dedicated policy execution server, and the transaction triggered a family policy, the Baseline Rule node failed with an error. This issue has been resolved.	DE149684

Generation Availability Analysis

This topic provides a list of product changes released for this module in this version.

Table 261: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID																					
<p>In an Event report, the events are now truncated based on the following time spans:</p> <table border="1"> <thead> <tr> <th>Scenario</th> <th>Start Date in the report</th> <th>End Date in the report</th> </tr> </thead> <tbody> <tr> <td>Event start date and end date are within the reporting month</td> <td>Actual event start date</td> <td>Actual event end date</td> </tr> <tr> <td>Event start date is within the reporting month and end date is beyond the reporting month</td> <td>Actual event start date</td> <td>Last day of the reporting month</td> </tr> <tr> <td>Event start date is within the reporting month and the end date is NULL</td> <td>Actual event start date</td> <td>Last day of the reporting month</td> </tr> <tr> <td>Event start date is in the previous year and the end date is within the reporting month of the reporting year</td> <td>First day of the reporting year</td> <td>Actual event end date</td> </tr> <tr> <td>Event start date is in the previous year and the end date is beyond the reporting month</td> <td>First day of the reporting year</td> <td>Last day of the reporting month</td> </tr> <tr> <td>Event start date is in the previous year and the end date is NULL</td> <td>First day of the reporting year</td> <td>Last day of the reporting month</td> </tr> </tbody> </table>	Scenario	Start Date in the report	End Date in the report	Event start date and end date are within the reporting month	Actual event start date	Actual event end date	Event start date is within the reporting month and end date is beyond the reporting month	Actual event start date	Last day of the reporting month	Event start date is within the reporting month and the end date is NULL	Actual event start date	Last day of the reporting month	Event start date is in the previous year and the end date is within the reporting month of the reporting year	First day of the reporting year	Actual event end date	Event start date is in the previous year and the end date is beyond the reporting month	First day of the reporting year	Last day of the reporting month	Event start date is in the previous year and the end date is NULL	First day of the reporting year	Last day of the reporting month	US457946
Scenario	Start Date in the report	End Date in the report																				
Event start date and end date are within the reporting month	Actual event start date	Actual event end date																				
Event start date is within the reporting month and end date is beyond the reporting month	Actual event start date	Last day of the reporting month																				
Event start date is within the reporting month and the end date is NULL	Actual event start date	Last day of the reporting month																				
Event start date is in the previous year and the end date is within the reporting month of the reporting year	First day of the reporting year	Actual event end date																				
Event start date is in the previous year and the end date is beyond the reporting month	First day of the reporting year	Last day of the reporting month																				
Event start date is in the previous year and the end date is NULL	First day of the reporting year	Last day of the reporting month																				
<p>You can now generate Performance Records and Reports in bulk for a GAA Unit record. Additionally, you can download Event and Performance Reports in bulk. To facilitate this enhancement, the following changes have been made:</p> <ul style="list-style-type: none"> The Bulk Generation button has been added to the GAA Overview page. This allows you to access the Bulk Generation window that contains the following sections: <ul style="list-style-type: none"> Generate: Allows you to generate Reports or Performance Records for the selected GAA Unit(s). Download: Allows you to download Event and Performance Reports to a single file or to multiple files. The Bulk Generation Logs button has been added to the Bulk Generation page, that allows you to view the progress of the jobs. 	US457946																					

Table 262: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you generated Event or Performance report for a GAA Unit, if the primary regulatory organization was CEA, both CEA and NERC reports were generated. This issue has been resolved. Now, the Event or Performance reports are generated only for the primary regulatory organization.	US457946

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 263: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, you could not add a Team Member to an Inspection if the Team Member was not a GE Digital APM user. This issue has been resolved.	DE147140
Previously, when creating an Inspection Event record that has additional fields defined as required either through field behaviour or field level rules, and if the record is not new, an error occurred and the Inspection Event was not created. This issue has been resolved.	DE146581

Installation

This topic provides a list of product changes released for this module in this version.

Table 264: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now upgrade Java 8 used in GE Digital APM to Java 11. Java 8 has reached End-of-Life (EOL) for public updates and Java 11 is supported by ActiveMQ and Elasticsearch. For more information on how to upgrade Java from V8 to V11, refer to KBA 000036926.	US456669

Metrics and Scorecards

This topic provides a list of product changes released for this module in this version.

Table 265: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, the following issues existed in Metrics and Scorecards:</p> <ul style="list-style-type: none"> If there were multiple perspectives and objectives for a Scorecard in the <Scorecard Name> page, and you added multiple Key Performance Indicators (KPI) to an objective: <ul style="list-style-type: none"> The KPIs incorrectly appeared in the <Objective Name> section. Some KPIs intermittently appeared in other <Perspective Name> sections. The time stamp indicating the date and time when the scorecard was modified did not appear based on the time zone specified for your GE Digital APM user account. When you attempted to modify a KPI, the data in the <KPI Name> page took longer than expected to appear and there was no indication that the operation of loading the data was in progress. <p>These issues have been resolved. Now, a spinner appears when the data in the <KPI Name> page is being loaded.</p>	DE148424

OT Connect

This topic provides a list of product changes released for this module in this version.

Table 266: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>OT Connect now supports OSI PI Collectives using the OSI PI Adapter through AF SDK.</p> <p>Important: To use OSI PI Collectives, you must have a PI connection configured for the Collective, and the OT Source Hostname must be the host name of the primary member of the Collective.</p>	DE141146
<p>OT Connect Adapter now truncates the OT Source Tag Descriptions to 1024 characters. This allows the OT Connect Tags with more than 1024 characters description to be successfully Tag Synced.</p>	DE147607
<p>A new OT Connect Tag Sync Utility has been added to the OT Connect Adapter to assist with Tag Sync troubleshooting. For more information on the utility, refer to the Run OT Connect Tag Sync Utility topic.</p>	DE146990
<p>You can now run the OT Source Capability Utility or Tag Sync Utility without installing an adapter service. An archive containing the <code>APM.OTConnect.Adapter.exe</code> and required libraries are now delivered with the GE Digital APM distribution package. For more information, refer to the Run Portable OT Connect Capability and Tag Sync Utilities topic.</p>	US443641
<p>The OT Connect Tag Sync error logging has been improved.</p>	DE146990
<p>The OT Source password used for GE Historian and OSI PI Adapter is now encrypted.</p>	DE147944
<p>The performance of OT Connect when adding tags with a Tag Sync has been improved significantly.</p>	DE149513

SIS Management

This topic provides a list of product changes released for this module in this version.

Table 267: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you ran SIL Assessment Upgrade Utility as part of the database upgrade activity, the following issues occurred: <ul style="list-style-type: none">The system ran out of memory when clearing the values in the Loop Diagram column in the Protective Instrument Loop table.Record creation failed when processing external SIL Assessments.Additional parsing errors appeared in the log. These issues have been resolved. Additional logging and error checks have been added.	DE146764

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 268: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when using Column Chooser from the Measurements section of the Analysis Overview workspace, you could add a field to the Display Fields section multiple times. Due to this, the data in the Measurement Table did not load. This issue has been resolved.	DE146972
Previously, in the TM Admin Preferences page, if you configured the Subcomponent to Asset preference of the Equipment or Functional Location family with the Has TML Group family, it could result in an infinite loop while performing Bulk Calculations causing the application to become unresponsive. This issue has been resolved.	DE147642

V4.5.0.0.3

APM Mobile Application

This topic provides a list of product changes released for this module in this version.

Table 269: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in some cases, readings entered in the GE Digital APM mobile application were not saved to the GE Digital APM database. This issue has been resolved.	DE146093

APM Connect

This topic provides a list of product changes released for this module in this version.

Table 270: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, the following APM REST API endpoints did not have licensing checks or user level security checks:</p> <ul style="list-style-type: none"> • internal/connect/workrequestschedule • internal/connect/workrequestschedule • internal/connect/workrequestschedule • internal/connect/dataloader/status • internal/connect/connectionstatus/{type} • connect/eam/job • connect/dl/job • connect/eam/job/{interfaceKey}/log • eam/job/tc/extract • internal/connect/wpa/dataLoaderConfigurations • internal/connect/wpa/dataLoaderCategories • internal/connect/wpa/dataLoaderByCategory • internal/connect/wpa/searchdataLoader • internal/connect/wpa/cancelJob • internal/connect/wpa/jobs • api/internal/connect/wpa/jobStatus <p>This issue has been resolved.</p>	DE145698
<p>Previously, if you changed the value of the <code>MaxDLQueueLength</code> parameter in the <code>AppSettings.json</code> file to modify the maximum data loader queue length for data loader jobs, the default value was considered instead of the updated value. Due to this, you were not able to increase the maximum queue length from the baseline value of 10. This issue has been resolved. Now, you can modify the data loader queue length.</p>	DE145505
<p>Previously, during EAM data load, if the number of extracted records was zero, the data load failed with the status displayed as Completed With Errors. This issue has been resolved. Now, in this scenario, the status is displayed as Completed.</p>	DE144685

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 271: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, GE Digital APM was nonresponsive during high load on the asset hierarchy service. This issue has been resolved.	US442710
Previously, the scheduled Asset Hierarchy rebuild task failed and an error message appeared. This issue has been resolved.	DE145595

Compliance Management

This topic provides a list of product changes released for this module in this version.

Table 272: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when creating Inspection Plans or updating Compliance Recommendations for Inspection Plans in bulk from the Compliance Management Overview page, if the job did not complete successfully for a certain Asset, subsequent Assets were not processed until the datasource was made offline and then online. This issue has been resolved.	DE145731
Previously, when creating an Inspection Plan, if an Asset did not meet the policy criteria of the assigned template, no error message was added to the log file, and the log file incorrectly indicated that the Inspection Plan was created successfully. This issue has been resolved.	DE145729
Previously, when you attempted to link compliance recommendations to an inspection task from the Inspection Plan Management page in bulk, for inspection tasks with similar task type, the inspection tasks were only displayed for the first recommendation. This issue has been resolved.	DE145081

Data Loaders

This topic provides a list of product changes released for this module in this version.

Table 273: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if a single Excel sheet contained multiple analyses, when you attempted to load the analyses, the ACA data loader timed out. This issue has been resolved.	DE145465

Family Policies

This topic provides a list of product changes released for this module in this version.

Table 274: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when using an aggregate function in a query running in Oracle, the data types were not returned correctly, this resulted in validation errors in the calculate and comparison nodes. This issue has been resolved.	DE144642

Inspection Field Data Collection

This topic provides a list of product changes released for this module in this version.

Table 275: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when a field in an offline datasheet had a configured picklist behavior dependent on the value of another field, if an error occurred when syncing the offline inspection data, the list of valid values for that field no longer appeared in the datasheet. This issue has been resolved.	DE144869

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 276: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in certain cases, when you modified a checklist inspection and checklist finding record, an error occurred when you attempted to save the record. This issue has been resolved.	DE144072
Previously, in certain cases, when you accessed the Inspection Management Overview page for an Asset and selected a tab, the corresponding section did not load, and displayed a blank space. This issue has been resolved.	DE143859

Policy Designer

This topic provides a list of product changes released for this module in this version.

Table 277: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you provided a numeric value to the Subtract node that was connected to the predecessor node, an error message appeared in the notification bar and you could not activate the Policy successfully. This issue has been resolved. Now, you can provide a value to the node irrespective of the data type	DE151447
Previously, when using an aggregate function in a query running in Oracle, the data types were not returned correctly, this resulted in validation errors in the calculate and comparison nodes. This issue has been resolved.	DE144642

Queries

This topic provides a list of product changes released for this module in this version.

Table 278: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to run a query that contained a DATENAME function, an error occurred. This issue has been resolved.	DE144885

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 279: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in a record containing a drop-down list box, if you selected a value in the drop-down list box, and then attempted to save the record, an error occurred. This issue has been resolved.	DE146300

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 280: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when creating a Production Analysis from a query, if the data contained a large number of records, the operation exceeded the timeout period and failed. This issue has been resolved. Now, to avoid the timeout issue, the query results have been restricted to 5000 records. If there are more than 5000 records, a warning message appears asking you to modify the query.	DE143733

Risk Based Inspection (RBI) 580

This topic provides a list of product changes released for this module in this version.

Table 281: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when duplicating an RBI PRD Criticality Analysis, if at least one related Degradation Mechanism was not selected, an error occurred, and the RBI PRD Criticality Analysis was not copied. This issue has been resolved.	DE145952
Previously, when you attempted to link RBI recommendations to an inspection task from the Inspection Plan Management page in bulk, for inspection tasks with similar task type, the inspection tasks were only displayed for the first recommendation. This issue has been resolved.	DE145081
Previously, when you attempted to create an Internal Corrosion (ICPC) group for a component with a family that was not Piping and a component type value that included the partial word PIP, an error message appeared. This issue has been resolved.	DE143662

Risk Based Inspection (RBI) 581

This topic provides a list of product changes released for this module in this version.

Table 282: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when duplicating an RBI 581 Risk Analysis, if at least one related Degradation Mechanism was not selected, an error occurred, and the RBI 581 Risk Analysis was not copied. This issue has been resolved.	DE145952
Previously, when you attempted to link RBI recommendations to an inspection task from the Inspection Plan Management page in bulk, for inspection tasks with similar task type, the inspection tasks were only displayed for the first recommendation. This issue has been resolved.	DE145081

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.

Table 283: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in an RCA Logic Tree, when you added text to a Hypothesis node, the node did not expand to accommodate 15 characters or more. This issue has been resolved. Now, a Hypothesis node expands to accommodate up to 20 characters.	DE145503

Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 284: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you logged in to GE Digital APM as a metric user and accessed the TML Trends graph, the values for Alert Level 1 and Alert Level 2 were incorrectly plotted based on their imperial equivalents. This issue has been resolved.	DE146041
Previously, a user belonging to the Thickness Monitoring Inspector security group and assigned additional delete privileges could not delete a TML. This issue has been resolved. Note: If a user does not have delete privileges and attempts to delete a TML, an error message will appear.	DE145958
Previously, when creating Corrosion Analysis Settings for an Asset, if the Asset had multiple TML Groups, and you selected to spread the setting to those groups, an error occurred, and the settings were not saved. This issue has been resolved.	DE144638
Previously, when you attempted to send data to the Olympus 38DL Plus Ultrasonic Thickness Gage datalogger device multiple times, an out of memory error message appeared, and the data was not sent to the device. This issue has been resolved. Note: To implement the change, you must uninstall the Meridium Device Service, download the latest installer from the Thickness Monitoring Datalogger page, and reinstall the service.	DE144534

V4.5.0.0.2

Family Policies

This topic provides a list of product changes released for this module in this version.

Table 285: Resolved Issues

The following issue, which existed in one or more previous versions, has been resolved.

Description	Tracking ID
Previously, if the baseline rule called by a Baseline Rule node in a Family Policy modified the current entity, infinite recursion occurred even if the logic designed to prevent recursion was included in the baseline rule. This issue has been resolved.	DE144245

V4.5.0.0.1

Foundation

This topic provides a list of product changes released for this module in this version.

Table 286: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you accessed GE Digital APM, the application crashed because of the additional logging lines that were added to the Bulk Data Loader service. This issue has been resolved.	DE143620

V4.5.0.0.0

Action Management

This topic provides a list of product changes released for this module in this version.

Table 287: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve usability, the Recommendation Filters window now displays active families only.	US335723

Table 288: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when changing the state of multiple Recommended Action records at a time, when you assigned a security user for the state, an error occurred. This issue has been resolved.	DE134885
Previously, a state caption appeared multiple times in the Recommendation Filters window and you could not identify the appropriate state to specify a filter criterion in the following scenarios: <ul style="list-style-type: none">The caption was assigned to multiple states associated with multiple Recommendation families.The ID for each state was unique. This issue has been resolved. Now, when you point to a caption, the state ID associated with the caption appears that enables you to specify a filter criterion.	DE132699
Previously, when managing state assignments for multiple recommendations, if you assigned users to multiple states of each recommendation, some users were not assigned to the states. This issue has been resolved.	DE132088
Previously, when selecting a user in a general recommendation record, if you attempted to sort the columns contained in the Select User window, an error occurred. This issue has been resolved.	DE131380

Table 289: Obsolete Features

The following features are no longer available.

Description	Tracking ID
<p>The following status fields have been removed from the General Recommendation datasheet:</p> <ul style="list-style-type: none"> • Status • Reviewer Name • Assigned to Name • Final Approver Name <p>Now, status is managed using State Management.</p>	US410261

APM Connect

This topic provides a list of product changes released for this module in this version.

Table 290: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
APM Connect now supports UDLP V2.9.0. Additionally, the data loader framework in UDLP V2.8 is now compatible with GE Digital APM V4.5.0.0.0.	US437963
To optimize the performance of data loader ingestion process, APM Connect now allows data loader file size of up to 30 MB. In addition, APM Connect now performs a check on the .zip file to ensure that the maximum file size does not exceed 100 MB in uncompressed state.	US434679
<p>You can now load data from the following data loader workbooks using the Automatic Data Loader:</p> <ul style="list-style-type: none"> • Asset Criticality Analysis (ACA Checklist) • Generation Availability Analysis (GAA) Events • GAA Wind Asset Hierarchy • GAA Wind Events • GAA Wind Sub Group Capacity • RCM Analysis Template • Risk Matrix 	<ul style="list-style-type: none"> • US433975 • US433369

Table 291: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, you could not modify WorkOrderHeaderCost file name using the Transform_WorkOrderHeaderCost job because the services associated with the job did not support customization. This issue has been resolved.	US434020
Previously, the data loader logs were stored as long text in the Interface Log records. This resulted in increased size of the records, which degraded the performance of GE Digital APM. This issue has been resolved.	US431006
Previously, when the SAP_PI_AAE parameter was set to FALSE in the context file, the Functional Location job failed. This issue has been resolved.	DE140576

Description	Tracking ID
Previously, you could not create an inspection task if you did not have the license for SAP Work Management Interface even though the license was not required to create the task. This issue has been resolved.	DE139956
Previously, using the global search, when you attempted to search for a record associated with the Taxonomy families, an error occurred, and no results were returned. This issue has been resolved.	DE139330
Previously, when using the APM Family Data Loader to import data, if the Site Reference Name column of the Data worksheet did not contain the Family ID, the data load was successful, however, the relationship was not created. This issue has been resolved. Now, in this scenario, the relationship is created, and a warning message is written to the interface log.	DE138511
Previously, when you attempted to load Production Loss Analysis (PLA) data loaders through the Automatic Data Loader, an error occurred. This issue has been resolved.	DE138256
Previously, when you extracted SAP characteristics to create Technical Characteristic records in GE Digital APM, single-value date and time characteristic values were not populated. This issue has been resolved.	DE136026
Previously, when uploading records using the Unified Asset Ingestion data loader, the data was uploaded to the Meridium database, even if the upload failed in the Predix database. This resulted in the Meridium and Predix databases being out of sync. This issue has been resolved.	DE135978
Previously, in the APM Family data loader, if you specified a unit of measure (UOM) behavior for a given field, and you loaded that data into GE Digital APM, and then, if you updated the UOM value and reloaded the data, the field value in GE Digital APM was not converted as per the updated UOM. This issue has been resolved.	DE135246
Previously, if the Data Loader Configuration family contained a record with the Loader ID only, when you clicked the Import New button in the Data Loader window, an error occurred. This issue has been resolved.	DE133385
Previously, when loading data using the APM Family Data Loader, if there was an exception in the Configuration worksheet, the error log did not record the issues clearly. This issue has been resolved. Now, the error log contains detailed information about the issues encountered, the causes of the issues, and recommendations on how to fix the issues.	DE129508
Previously, in the APM Family data loader, if you prefaced a Field ID with the Family ID, and if there was a corresponding behavior field indicating the Unit of Measure (UOM) or time zone for that field, and the behavior field was not prefaced with the Family ID, the UOM or time zone behavior was ignored. So, the field value was not converted to the corresponding UOM or time zone in GE Digital APM. This issue has been resolved.	DE128483
Previously, when loading data using a data loader, if the data loader input file name contained special characters that the APM Connect File Share system did not handle, an error occurred. This issue has been resolved.	DE127324
Previously, when using the APM Family Data Loader to load data to a Family whose Family ID contained at least one space, and a column on the Data worksheet was prefaced with that Family ID, the upload failed. This issue has been resolved.	DE125932
Previously, when you attempted to load records through the APM Family Data Loader, if a field contained the string value "False", an error occurred, even though "False" was a valid value for that field. This issue has been resolved.	DE120260

Table 292: Obsolete Features

The following features are no longer available.

Description	Tracking ID
You can no longer configure the processing order of Automatic Data Loader (ADL). Now, all the files in ADL are processed in the order in which they are saved to the file structure (that is, in the order of their time stamp values).	US437678

APM Mobile Application

This topic provides a list of product changes released for this module in the specified versions.

Table 293: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, while using Rounds Data Collection on an Android device, when you attempted to navigate back to the Rounds Data Collection Overview page using the keyboard or numeric keyboard on the device, the bottom section of the screen changed to a white screen and was locked. This issue has been resolved.	US413870
Previously, when you were assigned to a Route through a team and scanned a tag or barcode from the GE Digital APM mobile application, the scan was not recognized by the device. This issue has been resolved.	DE139952
Previously, in Rounds Data Collection, in the Overdue Items and Due Items sections, the value in the Due On or After field was not refreshed as expected. This issue has been resolved.	DE137516
Previously, in Rounds Designer, when a set of checkpoints existed under a condition, and one of the checkpoints was set to inactive, the subsequent checkpoints in the set did not appear in the GE Digital APM mobile application. This issue has been resolved.	DE136818
Previously, when you uploaded routes from the GE Digital APM mobile application to the GE Digital APM Server, the upload failed sometimes due to errors. This issue has been resolved. Now, the routes upload process is modified to reduce the risk of errors occurring with some adjustments to the payload that is sent from the GE Digital APM mobile application to the GE Digital APM Server.	DE135719
Previously, in the GE Digital APM mobile application, GIS timeout settings were handled incorrectly which caused a delay in taking the readings, even when the timeout was set to zero. This issue has been resolved. Now, the timeouts are recorded correctly when the GE Digital APM mobile application is either online or offline.	DE133226
Previously, when a Route was not loaded due to incorrect combination of size and structure of the Route, an error message appeared on Android devices. In other cases, Route did not load and the GE Digital APM mobile application closed. This issue has been resolved. Now, the Route loads without any error.	DE131777
Previously, on an iOS 13 device, when you accessed GE Digital APM using the Safari browser, the performance of GE Digital APM was not as expected. This issue has been resolved.	DE129691

Asset Criticality Analysis

This topic provides a list of product changes released for this module in this version.

Table 294: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
When adding team members to an ACA analysis, only users assigned to the site of the analysis are now available for selection. To facilitate this enhancement, site filtering has been enabled, which filters users by site.	US382534
To improve usability, a new window, Add Assets , now appears when you attempt to add assets to an analysis in the Assessment section.	DE139263

Table 295: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Assessment section of an Analysis, when you attempted to access the revision history of a criticality assessment for an asset, an error occurred if you used an Oracle database to access GE Digital APM. This issue has been resolved.	DE140698
Previously, in ACA, the job scheduler did not create unique IDs for analyses while the jobs were being processed. This issue has been resolved.	DE135219
Previously, URL Builder was not using the new route for ACA. This issue has been resolved.	DE132991

Asset Hierarchy

This topic provides a list of product changes released for this module in this version.

Table 296: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Hierarchy section, when applying the taxonomy filter to filter assets, if you selected a value as a filter criterion in the Category drop-down list box, the CLASS and TYPE drop-down lists were not populated with all the values based on the criterion. This issue has been resolved.	DE137910
Previously, when you attempted to access an asset using a hyperlink in the results of a query, the <Asset Details> workspace displayed the details of a different asset even though the correct asset was selected in the Asset Hierarchy. This issue has been resolved.	DE137232
Previously, when accessing the health summary report for an asset in the <Asset Name> workspace, if you selected the associated parent-level asset in the asset hierarchy, an error occurred. This issue has been resolved.	DE131648

Asset Health Manager

This topic provides a list of product changes released for this module in this version.

Table 297: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve performance when loading data in the Health Summary page, the data for the This Asset and Subsidiary Assets sections is no longer loaded automatically when you access the Health Summary page. The data for the This Asset and Subsidiary Assets sections is now loaded only when you select the corresponding tabs.	US403407

Table 298: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, for the Alert Level of a Health Indicator record, a formatted query returned an integer value without color information. This issue has been resolved. Now, the query returns a string value with the color information.	DE134920

Asset Strategy Implementation

This topic provides a list of product changes released for this module in this version.

Table 299: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now create or customize a Process Report Tool (PRT) report, which contains a set of actions that you must perform during a maintenance activity. To facilitate this enhancement, the following configuration settings have been added to the Asset Strategy Implementation Admin page: <ul style="list-style-type: none">• Enable PRT• PRT Report Builder Project Path• PRT Report Builder Class Name	F54325
To improve searchability, when importing task lists from SAP to GE Digital APM, you can now customize the search parameters that appear in the Locate General Task List window. To facilitate this enhancement, the Task List Import Parameter box has been added to the Asset Strategy Implementation Preferences workspace of the Asset Strategy Implementation Admin page.	US420698

Table 300: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when you updated an implemented action, the following issues occurred with the corresponding Maintenance Packages in SAP:</p> <ul style="list-style-type: none"> The packages were updated only for a specific set of values. The cycle count of the packages was not updated. <p>These issues have been resolved. Now, you can configure the set of values that are valid for the Maintenance Packages in SAP.</p>	DE137133
<p>Previously, when you attempted to link an action to a maintenance item associated with an ASI Package, an error occurred. This issue has been resolved.</p>	DE132545
<p>Previously, if there were multiple revision records for the actions associated with an ASI Implementation Package, and you implemented the package, the state of the package was changed to Partially Implemented, which indicated that all the actions were not implemented. This issue has been resolved. Now, in this scenario, the state of the package is changed to Implemented to indicate that all the actions are implemented.</p>	DE132276

Asset Strategy Management

This topic provides a list of product changes released for this module in this version.

Table 301: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>You can now define and associate secondary actions with primary actions. Secondary actions are created to prescribe the corrective actions to mitigate an undesirable condition that is found while performing primary maintenance, monitoring, or data collection.</p>	F54326
<p>To improve the performance while approving asset strategies, you can now hide the Cancel operation. To facilitate this enhancement, the Suppress Cancel Operation check box has been added to the ASM Preferences workspace.</p>	US420974
<p>The ability to implement actions at the System Strategy level has been added.</p>	US419950
<p>System Strategies have been redesigned to improve usability and performance.</p>	<ul style="list-style-type: none"> US419866 US419846 US419845 US419509 US419489
<p>To enhance usability, the count of controlled strategies for each template now appears in the Templates section of the Asset Strategy Management page. To facilitate this enhancement, a column, CONTROLLED STRATEGIES has been added to the Templates section.</p>	US418893
<p>The following enhancements have been done to the Controlled Strategies section:</p> <ul style="list-style-type: none"> The performance when activating Controlled Strategies with master template has been improved. The performance of adding new Controlled strategies for a template have been improved. The maximum number of controlled strategies is 5000. 	US417114
<p>The maximum number of allowed Asset Strategies in a System Strategy has been set to 500.</p>	US395198

Description	Tracking ID
To enhance usability when linking a health indicator to an action, the Link To Existing Health Indicator window now displays only the Health Indicator records that are related to the asset associated with the strategy.	US388694
The performance of the ASM Overview page when loading the counts on the tabs with large number of records has been improved.	US379746

Table 302: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, after deleting multiple actions, there was a performance issue while activating an ASM template. This issue has been resolved.	DE141603
Previously, if an asset strategy template controlled the strategies associated with a system strategy, when you accessed the Risk Analysis workspace for the system strategy, the number of actions that appeared was incorrect. This issue has been resolved.	DE140703
Previously, when you imported assets from the EAM system, the EAM Plan or EAM Plan Details records with Action IDs were not linked to the respective action in Asset Strategy Management. This issue has been resolved.	DE138169
Previously, in the Action datasheet, if you selected a value in a drop-down list box, the selected value was retained even if you closed the datasheet without saving the changes. This issue has been resolved. Now, the value is retained only if you save the datasheet.	DE137831
Previously, when you imported data for an analysis using the Asset Strategy Management (ASM) data loader, the risk values of the associated Asset Criticality Analysis were not populated in the associated Failure Risk records. This issue has been resolved.	DE135554
Previously, when you ran an ASO simulation for an asset, the Mitigated Risk Rank for the asset was calculated incorrectly. This issue has been resolved.	DE133350
Previously, in the Recommendation pane, the target completion date did not appear in the format based on your culture settings. This issue has been resolved.	DE132189
Previously, in the Risk Analysis workspace, when using a risk matrix with Max Risk Rank enabled, the proposed risk rank was calculated incorrectly. This issue has been resolved.	DE132081
Previously, when you selected a Site, assets specific to the site did not appear. This issue has been resolved. Now, in this scenario, only the assets specific to the site appear.	DE129677
Previously, if an asset strategy template controlled strategies associated with multiple sites, you could approve the template even if you did not have privileges to access all the sites. This issue has been resolved. Now, you can approve the template only if you have privileges to access all the associated sites.	DE126385
Previously, in the Asset Strategy Approval report, the interval units were not displayed in the language based on your culture settings. This issue has been resolved. Now, the interval units are displayed in the language based on your culture settings.	DE105467
Previously, while creating General Recommendations, the Recommendation IDs were not generated in correct sequence. This issue has been resolved.	DE96536

Table 303: Obsolete Features

The following features are no longer available.

Description	Tracking ID
To improve performance, the Risks and Actions tabs have been removed from the Asset Strategy Management Overview page.	US429571
To improve user experience, Unit Strategies no longer appear in the System Strategies section of the ASM Overview page. Note: The existing Unit Strategies are retained in the GE Digital APM database, however, you can no longer create Unit Strategies. To make the existing Unit Strategies available in the System Strategies section of the ASM Overview page, modify the query that is used by the System Strategies section.	US389366
The deprecated fields, Asset Name and Asset Type, have been removed from the Controlled Strategies workspace in the ASM templates. Now, Record ID of the Asset is displayed instead of Asset Name and Asset family is displayed instead of Asset Type.	US360076

Asset Strategy Optimization

This topic provides a list of product changes released for this module in the specified versions.

Table 304: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to optimize a strategy without an Asset Strategy Optimization (ASO) license, an error message appeared indicating access was denied and the state management of asset strategy was disabled. This issue has been resolved. Now, the Optimize Strategy option is unavailable in the Strategy Details page if the ASO license is not active.	DE141190
Previously, in a Risk associated with a Scenario, if you modified the unit of time specified for the Time to Failure (TTF) or Time to Repair (TTR), and then saved the Risk, the modified value was not retained. This issue has been resolved.	DE136634

Calibration Management

This topic provides a list of product changes released for this module in the specified versions.

Table 305: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now add, modify, or delete functional steps or questions from the Details section of a saved Functional Test profile template. In addition, when you add, modify, or delete a record in the Details section of a master template, the changes are now applied to all the associated templates.	F53011
You can now delete a Calibration Task. To facilitate this enhancement, the Delete option has been added to the page containing the Calibration Profile datasheet.	US429578

Description	Tracking ID
The Calibration Event records for both automated and manual calibration are now derived from the records of the selected Calibration Template. You can define and customize the test points in the Calibration template, and the test points are applied to the calibration event.	US414362
You can now navigate to the Manage Calibration Tasks page from the Calibration Profile datasheet. To facilitate this enhancement, the Manage Tasks button has been added to the page containing the Calibration Task datasheet.	US414350

Table 306: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when a user associated with the MI Calibration Administrator User Security Group, but without the MI Task Manager User Security Group or MI Foundation User Role attempted to approve a calibration event, an error occurred. This issue has been resolved.	DE142784
Previously, when you approved a Functional Test calibration event, an error occurred during the creation of the SAP Confirmation record. This issue has been resolved.	DE142710
Previously, after you have customized calibration task rules, removed the unique Task ID validation check, created a calibration event, and approved it, an incorrect calibration task was closed/recycled to its next due date as there were multiple calibration tasks with same Task ID. This issue has been resolved.	DE141648
Previously, when you attempted to link multiple Functional Test Templates to an Asset with different Calibration Strategies, an error occurred. This issue has been resolved.	DE139004
Previously, when you attempted to update a Calibration Profile Template, the Update Profiles Using this Template window appeared, displaying a list of applied templates that you can exclude from the update. However, the check boxes were not available for selection. This issue has been resolved.	DE138485
Previously, when you attempted to save a new multi-component calibration event, the Unsaved Changes window appeared, indicating that the record was not saved. This issue has been resolved.	DE136800
Previously, if the Calibration End Date field of a calibration record did not contain a value, and you attempted to create a calibration event for the asset associated with the record, an error occurred. This issue has been resolved.	DE135138
Previously, in several fields of the Calibration Event datasheet, after you selected a value in the Test Equipment box, you could not clear the box. This issue has been resolved.	DE125944
Previously, after you created a calibration event and selected a value in the Test Equipment ID box, you could not clear the value. This issue has been resolved. Now, the Clear button has been added to the Test Equipment ID box.	DE122991

Compliance Management

This topic provides a list of product changes released for this module in this version.

Table 307: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>The following functionalities have been added to Compliance Management and Inspection Management to support the European Inspection requirements:</p> <ul style="list-style-type: none"> • A new user interface is introduced to add the Asset Technical Data from the Inspection Management Overview page. • A new family, European Admin Settings has been created to store the site-specific records and a new section, European Admin Settings has been added in the Compliance Configuration section of the IM Admin Preferences page. • New datasheets have been added for European Inspection event and European Inspection task. • New fields are added to calculate the Compliance Minimum Date, Compliance Maximum Date, and Inspection Documentation Date in the Inspection Task for the European Regulation. • The ability to modify an Inspection Task as per the addressed certification has been introduced. • Task Rescheduling Basis is added to an Inspection Task based on the European Regulations. • You can now filter Inspection Report Owner and the Reviewer Name in an Inspection Event based on the Certification requirement in addition to the Resource Role. • The Inspection Summary in an Inspection Event can now be auto populated by creating a new Inspection Summary reference record in the Record Manager. 	F51412
<p>To enhance usability, when you search for an Asset Technical Data for any asset, you will now be directed to the Asset Technical Data page instead of the Record Manager.</p>	US428475
<p>To enhance usability, Task Rescheduling Basis is added to an Inspection Task based on the European Regulations. This field captures the information based on how the Next Date field is calculated. The field can be calculated either by the Last Date or the Previous Next Date.</p>	US425715
<p>You can now add European Admin Settings records for generating a European Inspection Task. To facilitate this enhancement, following changes have been made:</p> <ul style="list-style-type: none"> • A new section, European Admin Settings has been added in the Compliance Configuration section of the IM Admin Preferences page. • A new family, European Admin Settings has been created to store the site-specific records. 	US411512

Description	Tracking ID
<p>To enhance usability, the European Inspection Task datasheet has been introduced to the Inspection Task family. This datasheet allows us to manage Inspection Tasks according to the Compliance guideline of the regulation. You can access the following new fields in the European Inspection Task datasheet:</p> <ul style="list-style-type: none"> • Applicable Regulation: This field provides a list of regulations to be linked to a task. • Certification: This field stores the certification values. • Compliance Minimum Date: This field provides the minimum compliance date for a task to be performed. • Compliance Maximum Date: This field provides the maximum compliance date for a task to be performed. • Compliance Window: This field provides information about the Compliance duration in months. • Inspection Documentation Window: This field provides information about the Duration for Documenting an Inspection Report in months. • Inspection Documentation Completion Date: This field provides information about documentation completion date for an Inspection. • Previous Next Date: The field provides information about the Next Date before rescheduling. • Task Rescheduling Basis: This field provides information about how the task was rescheduled. The task can be rescheduled based on the Last Date or the Previous Next Date. 	US411461
<p>To enhance usability, a European Inspection Report is added to the Full Inspection family to manage an Inspection event for an Asset and the following changes have been made in the EU Inspection Report Datasheet:</p> <ul style="list-style-type: none"> • You can access the following new fields in the European Inspection Report datasheet: <ul style="list-style-type: none"> ◦ Applicable Regulation: This field provides a list of regulations to be linked to a task. ◦ Certification: This field stores the certification values. ◦ Inspection Document Type: The field populates the following values: <ul style="list-style-type: none"> ◦ Test Certificate by ZUS ◦ Test Record by Company Inspector ◦ Test Report by Subcontractor ◦ Inspection Instructions: This field provides the Inspection Type according to European Compliance. • The field Inspection Summary Reference within the datasheet can now be auto populated by creating a new Inspection Summary reference record in the Record Manager. The Inspection Summary Reference record stores inspection summary related information based on Inspection Document Type and Inspection Instructions required for generating a summary for an Inspection Event. • You can now filter Inspection Report Owner and the Reviewer Name in an Inspection Event based on the Certification requirement in addition to the Resource Role. 	US390197

Description	Tracking ID
To enhance usability, you can now access the Asset Technical Data datasheet from the Inspection Management Overview page.	US381862
You can now implement recommended actions from multiple Inspection Plans to existing Inspection Tasks simultaneously. To facilitate this enhancement, a new option, Link Existing, is added under Implement on the Inspection Plans tab, on the Inspection Plan Management workspace. The tasks to link is selected based on the recommended action's task type and the linked asset.	US340978

Table 308: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to approve an Inspection Plan on Compliance Recommendations where recommended interval scope was not set, an error occurred. This issue has been resolved.	DE135661
Previously, when the parent asset was a Functional Location, an error occurred when implementing multiple Compliance Recommendations on Inspection Plans to Inspection Tasks. This issue has been resolved.	DE134657

Table 309: Obsolete Features

The following features are no longer available.

Description	Tracking ID
The following System Code Table has been deprecated: <ul style="list-style-type: none"> Certification 	US430391

Data Loaders

This topic provides a list of product changes released for this module in the specified versions.

Table 310: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when using data loaders, some messages related to data loader issues appeared as information rather than warnings. This issue has been resolved. Now, the messages appear as warnings, indicating that there is an issue with the data loader session.	DE117102

Documentation

This topic provides a list of documentation changes released on this date.

Table 311: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance usability, icon set in GE Digital APM user interface has been refreshed. However, few icons in the GE Digital APM help may not match with the corresponding icons in the GE Digital APM user interface.	F50895

eLog

This topic provides a list of product changes released for this module in this version.

Table 312: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now create a Recommendation to propose the corrective actions that must be performed to mitigate the risks associated with your workplace, and associate the Recommendation to your Shift. To facilitate this enhancement, the Recommendations pane has been added to the Shift Summary page	US433100

Table 313: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you created a log entry for a shift, the log entry did not appear in the Shift Log workspace. This issue has been resolved.	DE133698

Failure Modes and Effects Analysis (FMEA)

This topic provides a list of product changes released for this module in this version.

Table 314: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now define and associate secondary actions with primary actions. Secondary actions are created to prescribe the corrective actions to mitigate an undesirable condition that is found while performing primary maintenance, monitoring, or data collection.	F54326
When adding team members to an FMEA analysis, only users assigned to the site of the analysis are now available for selection. To facilitate this enhancement, site filtering has been enabled, which filters users by site.	US382533

Table 315: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.



Description	Tracking ID
Previously, when an FMEA analysis was in the Complete state, you could not save the analysis as a template because the Save as Template button () was disabled. This issue has been resolved. Now, the button is available for selection for analyses in the Complete state.	US427759
Previously, when you attempted to create an FMEA Analysis using a template, in the Asset Finder window, the Add button () that is used to add an asset to the template did not appear. This issue has been resolved.	DE138702
Previously, when you imported data for an analysis using the Failure Modes and Effects Analysis (FMEA) data loader, the risk values of the associated Asset Criticality Analysis were not automatically populated in the associated Failure Effect records. This issue has been resolved.	DE127820
Previously, when you attempted to import the FMEA Analysis and Template data loaders, the mitigated risk values greater than the unmitigated risk values were allowed. This issue has been resolved.	DE127348
Previously, in the FMEA Recommendations report, the abbreviations for Safety, Environment, and Operations were not displayed in the language based on your culture settings. This issue has been resolved. The abbreviations for Safety, Environment, and Operations are changed to full form and are now displayed in the language based on your culture settings.	DE105467

Table 316: Obsolete Features

The following features are no longer available.

Description	Tracking ID
To improve performance, the Risks and Recommended Actions tabs have been removed from FMEA Overview page.	DE141994

Family Management

This topic provides a list of product changes released for this module in this version.

Table 317: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you modified the ID Template for a family, the field-level baseline rules were not applied to the fields of the family. This issue has been resolved.	DE139072
Previously, if you deleted a field from a family, and then attempted to add the field to the family, an error occurred. This issue has been resolved.	DE136237

Table 318: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
For a family field, you can assign a default value to be populated from another field, but if you assign it vice versa, an infinite loop will be created, and the application may stop responding and crash the Internet Information Services (IIS).	DE141298

Family Policies

This topic provides a list of product changes released for this module in this version.

Table 319: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now choose to save either the details of the execution or only summary in the Execution History Records. To facilitate this enhancement, the Execution History Log Setting section has been added with the Normal , Errors Only , and Summary Only options in the Details workspace of the Family Policy page.	US351322

Table 320: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, output of a Math node configured to operate on a mathematical expression containing logical operators did not always conform to generally accepted math principles. This issue has been resolved. For example, a Math node configured with the mathematical expression $A B\&C$ will now be evaluated as $A (B\&C)$, whereas it was previously evaluated as $(A B)\&C$. Note: This may cause unexpected results in existing policies.	US412813
Previously, if you configured a policy with nodes as successors to an email node, the successor nodes were not executed. This issue has been resolved.	DE142388
Previously, if a family policy was configured to allow recursion, recursive executions continued until IIS crashed on the APM server. This issue has been resolved. Note: The number of recursions are limited now.	DE141238
Previously, if execution of a Sub Policy node was in progress, execution of the policy did not time out even if it exceeded the time limit configured for the Policy Execution Service. This issue has been resolved.	DE139233
Previously, if the execution of an action node resulted in an error, a null reference error appeared in the execution results of any successor action node. This issue has been resolved.	DE139232
Previously, if you configured a policy with a Baseline Rule node for a family that did not have a defined GE Digital APM baseline rule, an error occurred during execution of the policy. This issue has been resolved.	DE138904
Previously, in the Properties window for a Rule node, when you modified the value in the Rule Path box, an error message appeared in the notification bar and you could not select any value in the Rule Class box. This issue has been resolved.	DE136785

Description	Tracking ID
Previously, the timeout feature of a Math node was disabled. This issue has been resolved. Now, if the time taken by a Math node to perform a calculation exceeds the configured time limit, execution of the policy that contains the node is cancelled.	DE133382
Previously, in the Execution History pane, regardless of the page size you selected, only the first 50 rows of each page of execution results were displayed. This issue has been resolved.	DE124582
Previously, in a policy that did not contain an R Script node, when you configured a Sub Policy node to call a policy that contained an R Script node, performance of the policy execution degraded. This issue has been resolved.	DE121915

Foundation

This topic provides a list of product changes released for this module in this version.

Table 321: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
When you use Microsoft SQL Server 2016 to access GE Digital APM, the date and time values returned by the queries that contain the <code>MI_DatePart</code> and <code>DateName</code> functions now appear in the time zone configured for your user account. For more information on configuring the queries to return the date and time values in the time zone configured for your user account, refer to KBA 000036352 .	US399419

Table 322: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you scheduled a recurring job in the scheduler with repeat intervals of more than 12 months using one of the following options, and then attempted to execute the schedule, an error occurred. <ul style="list-style-type: none"> • On selected day(s) of month • On selected day(s) of week This issue has been resolved. Additionally, the scheduler workflow has been improved to execute the jobs more efficiently. For example, if you schedule the workflow to run on the 31st day of every month, the scheduler service schedules the workflow on the last calendar day of every month.	US429959

General Dashboard

This topic provides a list of product changes released for this module in this version.


Table 323: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now print the contents of the query widget in a dashboard.	US437577

Table 324: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you selected the Refresh button () to refresh the data of a dashboard, the parameter values that you entered to filter the data were reset to the default values. This issue has been resolved.	DE136027
Previously, when you set a dashboard as your home page, the dashboard did not appear on the home page until you refreshed the internet browser. This issue has been resolved.	DE133528
Previously, the tab title for a dashboard page displayed the dashboard name, which could not be translated based on the language setting configured for your user account. This issue has been resolved. Now, the Dashboard Caption appears as the tab title, which supports localization.	DE123513

Generation Availability Analysis (GAA)

This topic provides a list of product changes released for this module in this version.

Table 325: Enhancements and New Features

The following enhancements and new features have been added.




Description	Tracking ID
While deleting events in the Unit Summary workspace, the Delete Confirmation window that appears when you select the delete button () now provides a list of the events that are selected for deletion and their related events, associated RCAs, and associated eLogs for your quick review before you confirm the deletion of the selected events.	US434900
You can now export event data to an Excel file. To facilitate this enhancement, an Export button () has been added to the Events section of the Units Summary workspace.	US431588
You can now create or update multiple events (such as, primary, related, and contributing events) at a time using a data loader. To facilitate this enhancement, a new data loader template, Generation Availability Analysis (GAA) Events has been added to the APM Power Generation category of the Data Loader Templates section. Tip: You can download the GAA Events data loader template from either the Download Templates window of the APM Power Generation category or by selecting the Export button () in the Events section of the Units Summary workspace.	<ul style="list-style-type: none"> US425384 US421395

Table 326: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
When using an Oracle database, you cannot export more than 1,000 Event records.	DE142500

Generation Availability Analysis Wind (GAA Wind)

This topic provides a list of product changes released for this module in this version.

Table 327: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
The Generation Availability Analysis Wind (GAA Wind) module has been introduced. You can use this module to record generation and loss data for each wind plant in your fleet.	F51832

Hazards Analysis

This topic provides a list of product changes released for this module in the specified versions.

Table 328: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you uploaded data using the Hazards Data Loader, the values in the IPL Type, IPL Sub Type, and PFD boxes in the IPL Checklist datasheet were not populated correctly. This issue has been resolved.	DE141598
Previously, when you navigated to a HAZOP Analysis or a What If Analysis, the Analysis Overview section did not display the correct graph corresponding to the selection made in the drop-down list box. This issue has been resolved.	DE136290

Import and Export

This topic provides a list of product changes released for this module in this version.

Table 329: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, using the Oracle database, when you attempted to import a ZIP file that contained the Families, Fields, and Field Behaviors metadata, an error message appeared. This issue has been resolved.	DE142237

Inspection Field Data Collection

This topic provides a list of product changes released for this module in this version.

Table 330: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if you added a system code to a drop-down list box associated with the Checklist Finding family, and then added the drop-down list box to an offline form associated with the family, when you accessed an inspection for the family in the Inspection Field Data Collection page, the system code value did not appear in the corresponding drop-down list box. This issue has been resolved.	DE137051

Inspection Management

This topic provides a list of product changes released for this module in this version.

Table 331: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID														
Inspection Management supports inspections created from the rotation and flip of piping components from the Thickness Monitoring module. To facilitate this enhancement, the Pipe Rotation Event Inspection family is provided as part of the baseline Inspection Management content.	US432413														
To improve performance, the following queries have been modified to retrieve the ENTY_ID from the Equipment or Asset Hierarchy instead of the MI_ENTITIES table of the database:	US398214														
<table border="1"> <thead> <tr> <th>Query</th> <th>Path</th> </tr> </thead> <tbody> <tr> <td>All Inspection Assets with Inspection Or Task for Unit</td> <td>Public\Meridium\Modules\Inspection\Overview Queries\</td> </tr> <tr> <td>All Inspections for Asset</td> <td>Public\Meridium\Modules\Inspection\Overview Queries\</td> </tr> <tr> <td>Active Recommendations of Plans for Unit</td> <td>Public\Meridium\Modules\Inspection\Compliance \Queries\</td> </tr> <tr> <td>All Inspection Plans for Unit</td> <td>Public\Meridium\Modules\Inspection\Compliance \Queries\</td> </tr> <tr> <td>Assets with Inspection Plans</td> <td>Public\Meridium\Modules\Inspection\Compliance \Queries\</td> </tr> <tr> <td>MI_INSPHIST_ASSETDTL</td> <td>Public\Meridium\Modules\Inspection\Report Queries\</td> </tr> </tbody> </table>	Query	Path	All Inspection Assets with Inspection Or Task for Unit	Public\Meridium\Modules\Inspection\Overview Queries\	All Inspections for Asset	Public\Meridium\Modules\Inspection\Overview Queries\	Active Recommendations of Plans for Unit	Public\Meridium\Modules\Inspection\Compliance \Queries\	All Inspection Plans for Unit	Public\Meridium\Modules\Inspection\Compliance \Queries\	Assets with Inspection Plans	Public\Meridium\Modules\Inspection\Compliance \Queries\	MI_INSPHIST_ASSETDTL	Public\Meridium\Modules\Inspection\Report Queries\	
Query	Path														
All Inspection Assets with Inspection Or Task for Unit	Public\Meridium\Modules\Inspection\Overview Queries\														
All Inspections for Asset	Public\Meridium\Modules\Inspection\Overview Queries\														
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All Inspection Plans for Unit	Public\Meridium\Modules\Inspection\Compliance \Queries\														
Assets with Inspection Plans	Public\Meridium\Modules\Inspection\Compliance \Queries\														
MI_INSPHIST_ASSETDTL	Public\Meridium\Modules\Inspection\Report Queries\														
To enhance usability, the #urlnotsupported tag has been removed from the URL column in the Associated pages tab from the following inspection families: <ul style="list-style-type: none"> • Full Inspection • General Inspection • Pressure Test Inspection • Bundle Inspection 	US351014														

Table 332: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you attempted to save a checklist inspection report that contained edits to multiple categories of checklist findings, an error occurred, and certain findings were not saved. This issue has been resolved.	DE142898
Previously, for Inspection Tasks created as part of the work management interface with EAM as the master, the Task Type field was disabled. This issue has been resolved.	DE141999
Previously, when there were multiple Taxonomy Classes or Types for the same category, Taxonomy Configurations were not correctly displayed in the IM Admin Preferences workspace. This issue has been resolved.	DE140172
Previously, the Inspection Task Complete field was disabled for Team Members assigned to Checklist Inspection families. This issue has been resolved. Now, Team Members assigned to Checklist Inspections can set the Inspection Task Complete field.	DE136020

Description	Tracking ID
Previously, when you selected the Inspection Lock check box, the Reviewers Name field was disabled and another Reviewer was unable to modify the field or assign a different Inspection Reviewer to approve the Inspection. This issue has been resolved. Now, the Reviewers Name field is enabled for all reviewers. You can also assign a different Reviewer to approve the Inspection. The Reviewers Name field is disabled only when the Final Inspection Lock field is selected.	DE133983
Previously, the Checklist Has Finding (MIR_CHKHSFDG) relationship family did not have a baseline business rule. Due to this, you received an error when you attempted to inherit the <code>Library.Baseline.MIR_CHKHSFDG.MIR_CHKHSFDG</code> rule in your custom project. This issue has been resolved.	DE132960
Previously, in the Asset Hierarchy, when you selected an asset, and then selected the Integrity tab, the link for Inspection Management took longer to load, depending on the number of assets in the Asset Hierarchy. This issue has been resolved.	DE132867
Previously, when you downloaded inspections in bulk from the Inspection Field Data Collection Overview page along with the inspection history report, no warning message appeared even if the SQL Server Reporting Services were not configured. This issue has been resolved.	DE132733
Previously, when an Inspection event was created for an Asset for which Equipment profiles were defined and sequenced, the automatically generated General Finding records were not arranged in the order of the values in the assigned Sequence field. This issue has been resolved. Now, the Equipment Profiles in General Finding records are arranged in the same order in which they were sequenced in the Inspection Profile Details.	DE132290

Installation

This topic provides a list of product changes released for this module in this version.

Table 333: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve security, you can now install the latest version of Redis on a Linux server. For more information on how to install Redis on a Linux server, refer to the Install Redis on the GE Digital Redis Servers topic in the Installation help.	US423311

Layers of Protection Analysis (LOPA)

This topic provides a list of product changes released for this module in this version.

Table 334: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when you attempted to access the Layers of Protection Analysis module, a blank page appeared without any indication that you did not have access to the module in the following conditions:</p> <ul style="list-style-type: none"> You did not have an active Hazards Analysis or SIS Management license. Your user account was not assigned to the roles or groups that are necessary to access the module. <p>This issue has been resolved.</p>	DE140611

Life Cycle Cost Analysis

This topic provides a list of product changes released for this module in this version.

Table 335: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, when importing the operating cost data for an asset, when you attempted to navigate from the Import Source section to the Data Selection section in the Import Operating Cost Data window, an error occurred. This issue has been resolved.</p>	DE136087

Manage Translations

This topic provides a list of product changes released for this module in this version.

Table 336: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, using the Oracle database, when you attempted to export untranslated metadata strings for a language other than English, an error occurred. This issue has been resolved.</p>	DE131493

Maximo Adapters

This topic provides a list of product changes released for this module in this version.

Table 337: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, the MI_EVENT_SHRT_DSC_CHR field in the MI_EVWKHIST family of GE Digital APM was not mapped to the DESCRIPTION field of the following Maximo tables:</p> <ul style="list-style-type: none"> SR WORKORDER <p>This issue has been resolved.</p>	US437560
<p>Previously, when you ran a job to extract Functional Location records with Functional Location Has Equipment relationship family, NULL Equipment IDs were extracted in some cases. This issue has been resolved.</p>	DE131117
<p>Previously, the Maximo Notification Management system was able to create EAM notification even if there was no Equipment or Functional Location record associated with the Recommendation. This issue has been resolved.</p>	DE126733

Metrics and Scorecards

This topic provides a list of product changes released for this module in this version.

Table 338: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, if there were multiple perspectives and objectives for a Scorecard in the <Scorecard Name> page, and you added multiple Key Performance Indicators (KPI) to an objective:</p> <ul style="list-style-type: none"> The KPIs incorrectly appeared in the <Objective Name> section. Some KPIs intermittently appeared in other <Perspective Name> sections. <p>This issue has been resolved.</p>	DE132537
<p>Previously, when you accessed a scorecard, the time stamp indicating the date and time when the scorecard was modified did not appear based on the time zone associated with your user account. This issue has been resolved.</p>	DE132537
<p>Previously, when you attempted to modify a KPI, the data in the <KPI Name> page took longer than expected to appear and there was no indication that the operation of loading the data was in progress. This issue has been resolved. Now, a spinner appears when the data in the <KPI Name> page is being loaded.</p>	DE132537

OT Connect

This topic provides a list of product changes released for this module in this version.

Table 339: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>In OPC-HDA servers, you can now configure the batch size to increase or decrease the number of records that can be returned on a single request.</p> <p>Note: When the BatchSize is set to 0, the default value of 10000, is used. If you observe E_MAXEXCEEDED OPC Errors when viewing the trend charts or when running the OT Source Capability Utility, decrease this setting.</p>	US414336
<p>OT Connect now supports the OPC DA Protocol Adapter that can connect to OPC Classic DA 3.0 servers. The OPC DA server offers the following capabilities:</p> <ul style="list-style-type: none"> • LastReading • SubscribeReadings 	US394237
<p>OT Connect now supports the GE Historian Protocol Adapter that can connect to Proficy Historian 4.0 and later through the Client Access API. The GE Historian Protocol Adapter offers the following Capabilities:</p> <ul style="list-style-type: none"> • LastReading • SubscribeReadings • GetStartEndReadings • GetBeforeEndReadings 	US375412
<p>OT Connect now supports the OSI PI Protocol Adapter that can connect to PI Server 2010 and later through the Asset Framework (AF) Protocol. The OSI PI Protocol Adapter offers the following Capabilities:</p> <ul style="list-style-type: none"> • LastReading • SubscribeReadings • GetStartEndReadings • GetBeforeEndReadings 	US375410

Table 340: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.



Description	Tracking ID
<p>Previously, in the OT Sources pane of the Connections page, even when you did not select the Tag Sync Enabled check box, the Sync Source button () was enabled if the following criteria were met:</p> <ul style="list-style-type: none"> • The Connection Status for the OT Source was displayed as Connected. • No field in the <OT Source Name> workspace was modified. <p>This issue has been resolved. Now, in addition to the specified criteria, you must select the Tag Sync Enabled check box to enable the Sync Source button ()</p>	DE133726

Table 341: Known Issues

The following known issues and limitations exist.

Description	Tracking ID
OT Connect does not support OSI-PI Collectives.	DE141146

Policy Designer

This topic provides a list of product changes released for this module in this version.

Table 342: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now configure the default time range to retrieve historical reading data for OT Connect Tag nodes when a time range is not defined in a policy. The historical data time range is set to two years.	US433894
To reduce the load on the GE Digital APM database that is caused by frequent executions of policies, the default concurrency limit of the Policy Execution Service has been reduced from 16 to 8.	US431473
You can now save only summary in the Execution History records. To facilitate this enhancement, the Summary Only option has been added to the Execution History Log Setting section of the Details workspace in the Policy Designer page.	US345230

Table 343: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the Policy Trigger Service stopped running, the policy trigger jobs that were in progress were not completed even when the service was restarted. This issue has been resolved. Note: Now, you can configure redelivery settings to control how messages will be handled when the Policy Execution service is stopped and restarted.	US422994
Previously, the output of a Math node configured to operate on a mathematical expression containing logical operators did not always conform to generally accepted mathematical principles. This issue has been resolved. For example, a Math node configured with the mathematical expression A B&C will now be evaluated as A (B&C), whereas it was previously evaluated as (A B)&C. Note: This may cause unexpected results in existing policies.	US412813
Previously, error messages related to MassTransit appeared in the Policy Execution service logs. This issue has been resolved.	DE142399
Previously, if you configured a policy with nodes as successors to an email node, the successor nodes were not executed. This issue has been resolved.	DE142388
Previously, if a policy updated or created records at a high frequency, GE Digital APM stopped responding. This issue has been resolved.	DE140181
Previously, in the Properties window for a Point Value node, in the Data Type box, if you did not select any value, and then configured the node to represent a large timespan value in days or months, the policy execution failed. This issue has been resolved.	DE139758

Description	Tracking ID
Previously, if execution of a Sub Policy node was in progress, execution of the policy did not time out even if it exceeded the time limit configured for the Policy Execution Service. This issue has been resolved.	DE139233
Previously, if execution of an action node resulted in an error, a null reference error appeared in the execution results of any successor action node. This issue has been resolved.	DE139232
Previously, if a node using an output from an OPC Tag node was not correctly configured and you ran the OT Connect post-upgrade utility, an error occurred during the policy model upgrade. This issue has been resolved.	DE138704
Previously, in the Instances pane, when you searched for a record to assign it to a User node, no results appeared in the Search window. This issue has been resolved.	DE137324
Previously, in the Properties window for a Rule node, when you modified the value in the Rule Path box, an error message appeared in the notification bar and you could not select any value in the Rule Class box. This issue has been resolved.	DE136785
Previously, if the Policy Execution Service stopped running, the policy executions that were in progress were not completed even when the service was restarted. This issue has been resolved. Note: Now, you can configure redelivery settings to control how messages will be handled when the Policy Execution service is stopped and restarted .	DE134838
Previously, the timeout feature of the Math node was disabled. This issue has been resolved. Now, if the time taken by a Math node to perform a calculation exceeds the configured time limit, the execution of the policy that contains the node is cancelled.	DE133382
Previously, the input values of a policy instance that were of string data type appeared incorrectly in the Validation workspace. This issue has been resolved.	DE132300
Previously, in a policy instance where a primary record is defined, when you searched for a record to assign to another Input node, the search results were not filtered to display only the records linked to the primary record. This issue has been resolved.	DE130744
Previously, in a policy model, if an OT Connect Tag node was succeeded by a Collection Filter node, and the Collection Filter node was configured to compare the timestamps in the reading collection with a date mapped from the output of a Sub Policy node, the validation or execution of the policy failed. This issue has been resolved. Note: Now, in this case, the OT Connect Tag node will retrieve two years of data.	DE129690
Previously, when you searched for an Instance in the Instances, Execution History, or Validation pane of the Design workspace, the search result was not retained when you accessed another pane. This issue has been resolved.	DE126111
Previously, in the Execution History pane, regardless of the page size you selected, only the first 50 rows of each page of execution results were displayed. This issue has been resolved.	DE124582
Previously, in a policy that did not contain an R Script node, when you configured a Sub Policy node to call a policy that contained an R Script node, the performance of the policy execution degraded. This issue has been resolved.	DE121915
Previously, when you added or deleted an Input node and then saved the policy, the Ad Hoc section of the Validation pane was not updated until you reloaded the policy. This issue has been resolved.	DE111262

Table 344: Obsolete Features

The following features are no longer available.

Description	Tracking ID
<p>The backward compatibility support for the start time and end time fields of some nodes in the Policies that were created in APM Classic V3.5.0 is no longer available. The following nodes in the Policies now operate on the entire collection mapped to their input fields instead of filtering the date range of the collection:</p> <ul style="list-style-type: none"> • Average Node • Last Node • Max Node • Min Node • Threshold Statistics Node <p>Additionally, the OT Connect Tag nodes that were upgraded from the OPC Tag nodes now retrieve historical readings for the default time range.</p>	US396094

Production Loss Analysis

This topic provides a list of product changes released for this module in this version.

Table 345: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>To enhance usability of the Production Loss Analysis (PLA) 3-Plan Data Loader, the data loader workbook now contains sample data of the following types of Production Plans for your reference:</p> <ul style="list-style-type: none"> • Time-Based Concurrent • Time-Based Sequential • Quantity-Based Concurrent • Quantity-Based Sequential 	US437750
<p>To enhance usability, the PLA User and PLA Admin roles now include the permission sets for Policy Designer and Root Cause Analysis modules.</p>	US437681
<p>You can now configure the PLA Service policy to create Production Data records automatically based on OT Connect tags. To facilitate this enhancement, the following changes have been made:</p> <ul style="list-style-type: none"> • The baseline PLA Service policy has been modified to use the OT Connect tags as its input. • A new field, Policy Instance ID, has been added to the Production Profile datasheet, which allows you to link a Production Profile to a policy instance. 	US432906

Table 346: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Production Data workspace, the value in the Over Accounted Loss field was not rounded off based on the settings defined in the PLA Administrator page. This issue has been resolved.	DE138795
Previously, when you attempted to create a Template for PLA Plans, the options in the Template Duration drop-down list box were not localized and appeared in English only. This issue has been resolved. Now, the options in the drop-down list box appear based on the selected language, according to your culture setting.	DE133167
Previously, when you attempted to add Production Events using a Master Detail Datasheet for Production Event family, an error appeared forcing you to close the datasheet. This issue has been resolved.	DE132994
Previously, in the Production Event datasheet, if there were any unsaved changes and you attempted to exit, no warning message appeared. This issue has been resolved.	DE132864
Previously, when you attempted to close the PLA loss datasheet without making any changes, an error message appeared, indicating that any unsaved changes will be lost. This issue has been resolved. Now, an error message appears only when you modify the datasheet and try to close without saving.	DE132863

Queries

This topic provides a list of product changes released for this module in this version.


Table 347: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when you ran GETDATE and GETUTCDATE query functions in formatted mode, the date and time values were converted to your timezone. This issue has been resolved. Now, the date and time values appear based on the GE Digital APM server settings.	US426890
Previously, when you ran a query that contained a prompt with valid values, and then attempted to search for a parameter value in the Enter Parameter Values window, all the values matching the characters of the string that you specified in the search criteria appeared in the search result. This issue has been resolved. Now, in this scenario, the parameter value that exactly matches the string appears in the search result.	DE138809
Previously, in a query, if a hyperlink was used to pass the query results, the field values that contained Cyrillic and Chinese characters were ignored. This issue has been resolved.	DE138804
Previously, when you exported a query that contained a date field to an Excel file, format of the date was incorrect in the Excel file. This issue has been resolved.	DE138747
Previously, in the Design workspace, in the Conditions section, if you selected the family in a cell in the Table row, and then selected a field in the Field cell of the same column, the values contained in the column disappeared. This issue has been resolved.	DE137043
Previously, when you exported a query that had fields with numeric values to an Excel file, the numeric values were exported as text. This issue has been resolved.	DE134301

Table 348: Obsolete Features

The following features are no longer available.

Description	Tracking ID
In the Design workspace, in the Fields section, the option for filtering fields using Master/Detail datasheet has been removed from the window that appears when you select the Filter button ().	<ul style="list-style-type: none">• DE138420• DE137424

Record Manager

This topic provides a list of product changes released for this module in this version.

Table 349: Enhancements and New Features



The following enhancements and new features have been added.

Description	Tracking ID
You can now browse and link to an External Network to store the Reference document to the GE Digital APM database. To facilitate this enhancement, when you select Link to an External Network File in the Select Document Path workspace, you can either specify the External Network or even link to an external Network Path .	US409874
You can now perform the following tasks in the Reference Document Server Credentials workspace. <ul style="list-style-type: none">• Add multiple Reference Document Servers• Add caption to each server• Assign Sites, Roles, Groups, Domain to each of the server• Select multiple sites for every server To facilitate this enhancement, the Shared Folder UNC Path, Caption, Sites, Groups, Roles, and Domain fields are added in the Reference Document Server Credentials workspace.	US409862
You can now configure a conditional alert record that is run based on the frequency set for the conditional alerts in the Strategy Macros page . To facilitate this enhancement, a new list item, Strategy Macro Schedule , has been added to the Interval drop-down list box of the conditional alert record.	DE131694

Table 350: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in a conditional alert record, if you selected the Send Web Query Link check box, and then scheduled the corresponding alert, the web query link in the alert message was incorrect when the alert was executed. This issue has been resolved. Now, in this scenario, the correct web query link appears, containing the GE Digital APM server and domain names.	DE142566
Previously, when you attempted to open a Reference Document that was stored in the GE Digital APM database, an error occurred and the document could not be accessed. This issue has been resolved.	DE140391

Description	Tracking ID
Previously, if the URL of an Associated Page contained a datasheet ID other than the ID of the default datasheet for the associated family, and you accessed a record for the family, the record contained the default datasheet ID. This issue has been resolved.	DE137911
Previously, in Record Manager, when you selected a record in the Master Detail Datasheet with only view privileges for the detail family, an error occurred. This issue has been resolved.	DE137695
<p>Previously, when you modified the value of a field contained in a record, the revision history of the fields in the Datasheet Field History window was incorrect in the following scenarios:</p> <ul style="list-style-type: none"> • The Keep History check box was selected for the field in Family Management. • The field contained only numeric values. <p>This issue has been resolved.</p>	DE137094
Previously, in a conditional alert record, if you selected the ENT_KEY option in the Do Not Include drop-down list box, and then scheduled the corresponding alert, the values contained in the ENT_KEY column incorrectly appeared in the alert message when the alert was executed. This issue has been resolved.	DE136571
Previously, if an associated page URL for a family was an external URL and contained parameters, when you attempted to access the corresponding associated page, an error occurred. This issue has been resolved.	DE136415
Previously, when you added the Disabled behavior to a multi-value character field of a family, and then accessed a record of the same family in Record Manager, the Disabled behavior of the field was not retained. This issue has been resolved.	DE135167
Previously, if a field in a record contained the More Options button () , when you copied the record, the More Options button () did not appear in the new record. Due to this, the custom UI configuration for that field was not accessible. This issue has been resolved.	DE134432
Previously, if your user account did not have the Delete privilege for a record, you could not unlink the record from its parent record. This issue has been resolved.	DE134415
Previously, if the query associated with a conditional alert contained a date field with any date format, and you scheduled the conditional alert, the alert was not executed at specified intervals. This issue has been resolved.	DE133339
Previously, in the GE Digital APM database, when you attempted to upload files of size more than 142 MB as Reference Documents, an error occurred. This issue has been resolved. Now, the upper limit of the Reference Documents file size has been set to 30 MB.	DE133146
Previously, when you added a reference document to a record, the document appeared in the Reference Documents list even though the document was not uploaded to GE Digital APM successfully. This issue has been resolved. Now, in this scenario, a message appears, indicating that the file is being uploaded.	DE133140
Previously, when you scheduled the recurring conditional alerts, the conditional alert emails were not sent at specified intervals. This issue has been resolved.	DE131694
<p>Previously, when you removed the value of a field contained in a record, the revision history of the fields in the Datasheet Field History window did not appear in the following scenarios:</p> <ul style="list-style-type: none"> • The Keep History check box was selected for the field in Family Management. • The field contained only numeric values. <p>This issue has been resolved.</p>	DE130484

Description	Tracking ID
Previously, if the time zone associated with your user account was different than the time zone of the GE Digital APM server, and you scheduled a conditional alert to be run at specific intervals, the time stamp contained in the conditional alert email was not based on the time zone associated with your user account. This issue has been resolved.	DE130007
Previously, if the State Configuration was enabled for a family, when you modified the following fields of a record associated with the family, and then attempted to save the record, a warning message appeared, and only the state of the record was updated. <ul style="list-style-type: none"> Any field in the record The state of the record This issue has been resolved. Now, in this scenario, the field values and the state of the record are updated simultaneously.	DE129035
Previously, in a record, if an expandable text box contained alphanumeric text, when you expanded the box, you could not modify the text that appeared in the Text Editor window. This issue has been resolved.	DE69040

Table 351: Obsolete Features

The following features are no longer available.

Description	Tracking ID
The Print a report option is no longer available for printing multiple records contained in a Bulk Data Form. Now, when you attempt to print the records, a PDF file is downloaded that contains the associated datasheet.	DE126127

Reliability Analytics

This topic provides a list of product changes released for this module in this version.

Table 352: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To enhance the usability of the System Reliability Data Loader, the data loader workbook now contains sample data for your reference.	US392615

Table 353: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, for a Reliability Analysis that was created manually, the Reload and Go To Source options appeared in the Analysis Data menu of the Production Data workspace, even though the options were not applicable. This issue has been resolved.	US391240
Previously, in Spares Analysis with two or more Applications for a Spare, the HTML Report incorrectly includes the application data and failure distributions from the first Application in the results for the second Application. This issue has been resolved.	DE140182

Description	Tracking ID
Previously, in the Description box of the Spares Analysis datasheet, when you entered more than 255 characters, and then attempted to save the record, an error occurred and the datasheet stopped responding. This issue has been resolved.	DE139895
Previously, in the Diagram section of the System Scenario associated with a System Reliability Analysis, when you attempted to import an asset to a diagram, an error occurred intermittently. This issue has been resolved.	DE136777
Previously, when creating a Reliability Growth Analysis using a dataset, if you selected the I want to use the time of the first data point as the start time for this analysis check box in the Analysis Start Time window, and then selected Finish , an error message appeared and the analysis was not created. This issue has been resolved.	DE136770
Previously, when running Monte Carlo simulations for Reliability Analyses, sometimes, the simulations run did not complete successfully. This issue has been resolved.	DE136752
Previously, when generating a comparison plot across several Reliability Growth Analyses (RGA), Production Analyses (PA), Probability Distribution (PD), or Reliability Distribution (RD), the colored chart lines indicating each source analysis were using the same shape symbol on the line. This was in conflict with the chart legend and was difficult to differentiate by color. This issue has been resolved.	DE129166
Previously, in System Reliability Analysis, Monte Carlo simulation included detection failures even when the PF interval was zero, which resulted in slow performance. This issue has been resolved.	DE126740

Reliability Centered Maintenance (RCM)

This topic provides a list of product changes released for this module in this version.

Table 354: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now define and associate secondary actions with primary actions. Secondary actions are created to prescribe the corrective actions to mitigate an undesirable condition that is found while performing primary maintenance, monitoring, or data collection.	F54326
When adding team members to an RCM analysis, only users assigned to the site of the analysis are now available for selection. To facilitate this enhancement, site filtering has been enabled, which filters users by site.	US382533

Table 355: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.



Description	Tracking ID
Previously, when an RCM analysis was in Complete state, you could not save the analysis as a template because the Save as Template button () was disabled. This issue has been resolved. Now, the button is available for selection for the analysis in the Complete state.	US427759
Previously, when you attempted to create an RCM Analysis using a template, in the Asset Finder window, the Add button () that is used to add an asset to the template did not appear. This issue has been resolved.	DE138702
Previously, when you imported data for an analysis using the Reliability Centered Maintenance (RCM) data loader, the risk values of the associated Asset Criticality Analysis were not automatically populated in the associated Failure Effect records. This issue has been resolved.	DE127820
Previously, when you attempted to import the RCM Analysis and Template data loaders, the mitigated risk values greater than the unmitigated risk values were allowed. This issue has been resolved.	DE127348
Previously, in the RCM Recommendations report, the abbreviations for Safety, Environment, and Operations were not displayed in the language based on your culture settings. This issue has been resolved. The abbreviations for Safety, Environment, and Operations are changed to full form and are now displayed in the language based on your culture settings.	DE105467

Table 356: Obsolete Features

The following features are no longer available.

Description	Tracking ID
To improve performance, the Risks and Recommended Actions tabs have been removed from RCM Overview page.	DE141994

Reports

This topic provides a list of product changes released for this module in this version.

Table 357: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
APM Report Designer now supports Microsoft Visual Studio 2019 professional.	US414295

Table 358: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if your Language setting was not English, and you accessed a report, the text and values that appeared in the charts were not translated to the language corresponding to your Language setting. This issue has been resolved.	DE101783

Results Grid

This topic provides a list of product changes released for this module in this version.

Table 359: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if the Results Grid contained a check box in each row, when you selected a check box, and then specified filter criteria to filter the data in the grid, the check box was cleared. This issue has been resolved.	DE135963

Risk Based Inspection

This topic provides a list of product changes released for this module in this version.

RBI 580 and 581

Table 360: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now implement recommended actions from multiple Inspection Plans to existing Inspection Tasks. To facilitate this enhancement, in the Inspection Plan Management workspace, in the Inspection Plans section, the Link Existing option has been added to the Implement menu. Note: The tasks to link are selected based on the task type of the recommended action and the linked asset.	US340978

Table 361: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, creating or copying an RBI analysis was failing for an Asset where the Source of Corrosion Rate was either Asset or Component and the Asset had large number of TMLs. This issue has been resolved. Now, you can go to Thickness Monitoring module and calculate the corrosion analysis before creating or copying an RBI Analysis, if the Asset has more than 1000 TMLs and the Asset Corrosion Analysis has not been calculated.	US427530
Previously, the security group MI Inspection Viewer did not have the permissions to view the Inspection Recommendation family. This issue has been resolved.	DE135150
Previously, in the Asset Hierarchy, when you selected an asset, and then selected the Integrity tab, the link for Risk Based Inspection took longer to load, depending on the number of assets in the Asset Hierarchy. This issue has been resolved.	DE132867

Description	Tracking ID
Previously, when you bulk calculated RBI 580 or RBI 581 analyses from the Unit Overview or the Corrosion Loop Overview section, the Analyses Calculation window displayed an incorrect value for the number of analyses calculated, and the percentage in the progress bar. This issue has been resolved.	DE132615
Previously, in the Recommendation pane, the target completion date did not appear in the format based on your culture settings. This issue has been resolved.	DE132189

RBI 580

Table 362: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>With Inspection Grouping, you can now perform inspection on a subset of equipment in a group rather than on every piece of equipment in that group. Inspection Groups are created for two damage mechanisms, that is, for Internal Corrosion and External Corrosion. The primary criteria for selecting equipment for inspection are but not limited to the following:</p> <ul style="list-style-type: none"> • Wall Ratio • Inspection Priority • Risk Category <p>This feature provides the following functionalities to optimize an inspection:</p> <ul style="list-style-type: none"> • Option to enable this feature from RBI application settings • Ability to create and update Inspection Group • Advanced filtering for Inspection grouping grid • Ability to generate Inspection group recommendations • Integration of Inspection grouping recommendations with Inspection Plan • Ability to promote Inspection grouping recommendations into Asset Strategy Manager • Ability to implement Inspection grouping recommendations from Inspection Plan and Asset Strategy Manager • User interface to identify a Representative inspection event • Ability to generate represented inspections <p>Note: Existing Inspection Groups that were created in GE Digital APM V3.x will be visible in the page containing the Inspection Groups. It is recommended that you re-create the Inspection Groups.</p>	F48217
<p>You can now view the risk for the current interval on RBI PRD Criticality Analyses, Leak Degradation Mechanism Evaluations, and Over Pressure Degradation Mechanism Evaluations. The current interval is defined as the difference between the current calculation date and the Next Inspection Date field on the RBI PRD Criticality Analysis family.</p> <p>To facilitate this enhancement, the Next Inspection Date field is now a required field whether the RBI PRD Criticality Analysis protects components or assets. In addition, the following fields have been added to store the results of the calculation at the current interval:</p> <ul style="list-style-type: none"> • RBI PRD Criticality Analyses <ul style="list-style-type: none"> ◦ Driving PoF – Current Interval ◦ Driving CoF – Current Interval ◦ Driving Inspection Priority (Unmitigated Risk) – Current Interval ◦ Risk Category – Current Interval ◦ Inspection Interval – Current Interval • Leak Degradation Mechanism Evaluation <ul style="list-style-type: none"> ◦ Probability of Leak – Current Interval ◦ Probability Category – Current Interval • Over Pressure Degradation Mechanism Evaluation <ul style="list-style-type: none"> ◦ Probability of Failure on Demand – Current Interval ◦ Probability of Loss of Containment – Current Interval ◦ Probability Category – Current Interval 	US416909

Description	Tracking ID								
You can now override the Recommended Interval field in Recommended Actions that are generated for RBI PRD Criticality Analyses by clearing the Use Calculated Data check box on the related Inspection Strategy datasheet. When the Use Calculated Data field is set to false, the Recommended Interval field will be set to the Recommended Inspection Interval field from the Inspection Strategy record.	US415572								
You can now copy an RBI PRD Criticality Analysis. To facilitate this enhancement, the Duplicate option has been added to the Analysis Overview workspace and the Component Overview workspace.	US414072								
To improve performance, the following queries have been modified to retrieve the ENTY_ID from the Equipment or Asset Hierarchy instead of the MI_ENTITIES table of the database:	US398209								
<table border="1"> <thead> <tr> <th>Query</th> <th>Path</th> </tr> </thead> <tbody> <tr> <td>Active Analyses for Evergreening - 580</td> <td>Public/Meridium/Modules/RBI/Queries</td> </tr> <tr> <td>Analyses Created for Evergreening - 580</td> <td>Public/Meridium/Modules/RBI/Queries</td> </tr> <tr> <td>Select RBI Components</td> <td>Public/Meridium/Modules/RBI/Queries</td> </tr> </tbody> </table>	Query	Path	Active Analyses for Evergreening - 580	Public/Meridium/Modules/RBI/Queries	Analyses Created for Evergreening - 580	Public/Meridium/Modules/RBI/Queries	Select RBI Components	Public/Meridium/Modules/RBI/Queries	
Query	Path								
Active Analyses for Evergreening - 580	Public/Meridium/Modules/RBI/Queries								
Analyses Created for Evergreening - 580	Public/Meridium/Modules/RBI/Queries								
Select RBI Components	Public/Meridium/Modules/RBI/Queries								
You can now create a What-If Analysis from an RBI Criticality Analysis in the active state. To facilitate this enhancement, the Create What-If option is now enabled on the RBI Component Overview workspace and the RBI Analysis workspace for the RBI Criticality Analyses that are in the active state.	US385170								
To enhance usability, the #urlnotsupported tag has been removed from the URL column in the associated pages tab from the following two RBI families: <ul style="list-style-type: none"> • RBI Criticality Analysis • RBI Recommendation 	US382352								

Table 363: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, Inventory was not calculated correctly for an RBI Component when Initial Fluid Phase was Gas. This issue has been resolved.	DE138184
Previously, the fields Operation Pressure – Channel Side and Operating Temperature – Channel Side on RBI Criticality Analysis had a default value of zero pounds force per square inch and zero degrees Fahrenheit respectively. This resulted in negative values for users assigned to the metric UOM Conversion Set. This issue has been resolved. Now, there is no default value assigned for the fields Operation Pressure – Channel Side and Operating Temperature – Channel Side.	DE133049

Description	Tracking ID
<p>Previously, when the Allowable Stress Override check box was not selected, you could not calculate the RBI Criticality Analysis without specifying a value in the Material Grade box. However, for certain Material Specifications, the Material Grade is not required to populate the value in the Allowable Stress field for calculating the RBI Criticality Analysis. This issue has been resolved. Now, in this scenario, the Material Grade is not required when calculating the RBI Criticality Analysis.</p>	DE132255
<p>Previously, the Representative Fluid field in RBI Criticality Analysis was incorrectly mapped from the Process Fluid field value in the Technical Data - Shell Side section in the RBI Comp - Exchanger Bundle datasheet of the related RBI Component. This issue has been resolved. Now, the Representative Fluid field is not populated by default in the RBI Criticality Analysis, when the related RBI Component is Criticality RBI Component – Exchanger Bundle.</p>	DE126274

RBI 581

Table 364: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>Previously, when calculating an RBI 581 Risk Analysis with an RBI 581 External Cracking Damage Evaluation or an RBI 581 Cracking Damage Evaluation, the value in the Date in Service field was used to calculate the age on Planned Date with Inspection if the Last Known Inspection Date field was not set. This issue has been resolved. Now, the Target Inspection Date field is used to calculate the age on Planned Date with Inspection regardless of whether the Last Known Inspection Date field is set for RBI 581 External Cracking Damage Evaluations and RBI 581 Cracking Damage Evaluations.</p>	US414062
<p>The following fields in the Risk Based Inspection 581 Consequence Evaluation family will now be displayed in Kilograms per Second for users assigned with the Metric Unit of Measure conversion set.</p> <ul style="list-style-type: none"> • Release Rate Small • Release Rate Medium • Release Rate Large • Release Rate Rupture • Adjusted Release Rate Small • Adjusted Release Rate Medium • Adjusted Release Rate Large • Adjusted Release Rate Rupture • Toxic Release Rate Small • Toxic Release Rate Medium • Toxic Release Rate Large • Toxic Release Rate Rupture <p>To facilitate this enhancement, a conversion set for Pounds per Second to Kilograms per second has been added.</p>	US403046

Description	Tracking ID						
<p>RBI 581 Analyses now allow AST Shell calculations for Component Type field value set to Storage Tank. To facilitate this change, the following fields in the RBI 581 Consequence Evaluation family are now enabled if the Component Type field is set to Storage Tank, regardless of the related RBI Component family:</p> <ul style="list-style-type: none"> • Maximum Fill Height in AST • Fluid Percent Leaving Dike • Fluid Percent Onsite • Fluid Percent Offsite • Environmental Sensitivity • Tank Course Height <p>In Addition, RBI 581 Analyses with the Component Type field set to Storage Tank Bottom are only valid if the related RBI Component family is Criticality RBI Component - Tank Bottom.</p>	US401540						
<p>To improve performance, the following queries have been modified to retrieve the ENTY_ID from the Equipment or Asset Hierarchy instead of the MI_ENTITIES table of the database:</p> <table border="1"> <thead> <tr> <th>Query</th> <th>Path</th> </tr> </thead> <tbody> <tr> <td>Active Analyses for Evergreening – 581</td> <td>Public/Meridium/Modules/RBI 581/Queries</td> </tr> <tr> <td>Analyses Created for Evergreening – 581</td> <td>Public/Meridium/Modules/RBI 581/Queries</td> </tr> </tbody> </table>	Query	Path	Active Analyses for Evergreening – 581	Public/Meridium/Modules/RBI 581/Queries	Analyses Created for Evergreening – 581	Public/Meridium/Modules/RBI 581/Queries	US398209
Query	Path						
Active Analyses for Evergreening – 581	Public/Meridium/Modules/RBI 581/Queries						
Analyses Created for Evergreening – 581	Public/Meridium/Modules/RBI 581/Queries						
<p>You can now create a What-If Analysis from an RBI 581 Risk Analysis in the active state. To facilitate this enhancement, the Create What-If option is now enabled on the RBI Component Overview workspace and the RBI Analysis workspace for the RBI 581 Risk Analyses that are in the active state.</p>	US385170						

Table 365: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, the SHE Risk Category was incorrectly set to Low on the RBI 581 Risk Analyses related to the Storage Tank Bottom components. This issue has been resolved. Now, the SHE Risk Category will always be blank on the RBI 581 Risk Analyses related to the Storage Tank Bottom components.</p>	DE140734
<p>Previously, when the Online Monitoring field was set to Yes (Y) on the 581-Internal Component Lining Damage, a Damage Mechanism Evaluation, the Online Monitoring Adjustment was incorrectly set as 0.01. This affected the calculated Damage Factor field. This issue has been resolved. Now, as per the API 581, 3rd edition specification, the Online Monitoring Adjustment is set to 0.1 when the Online Monitoring field is set to Yes (Y) on the 581-Internal Component Lining Damage a Damage Mechanism Evaluation.</p>	DE139034

Description	Tracking ID
<p>Previously, release rate calculation in RBI 581 Consequence Evaluation was based on the value in the Release Fluid Phase field of the related RBI 581 Risk Analysis. This issue has been resolved. Now, the Release Rate calculation will be based on the Initial Fluid Phase field value in the RBI 581 Risk Analysis.</p> <p>In addition, for a user with unit of measurement conversion set assigned, Release Fluid Phase in the RBI 581 Risk Analysis was populated incorrectly for fluids where:</p> <ul style="list-style-type: none"> Initial Fluid Phase field value in the RBI 581 Risk Analysis family was set to Liquid. Ambient Fluid Phase field value in the RBI 581 Risk Analysis family was set to Gas. BoilPt field value in the RBI 581 Risk Analysis family was set between 80 degree to 176 degree Fahrenheit range. <p>This issue has been resolved.</p>	DE137632
<p>Previously, the Calculated T-min field in the 581 Risk Analyses was incorrectly calculated when the Geometry Type field value was Piping. This issue has been resolved. Now, the Calculated T-min field is calculated using the formula from the reference ASME B31.3, 2014 Edition. For more information on the formula, refer to KBA 000036403.</p>	DE137299
<p>Previously, when calculating RBI 581 Analysis for an AST Shell component on an Oracle database where toxic fluid was set to ALCL3, an error occurred and the calculation failed. This issue has been resolved.</p>	DE137248
<p>Previously, the Mapped RBI Component (MIR_MTORBIC) relationship family did not have a baseline business rule. Due to this, when you attempted to inherit the <code>Library.Baseline.MIR_MTORBIC.MIR_MTORBIC</code> rule in your custom project, an error occurred. This issue has been resolved.</p>	DE133994
<p>Previously, when the Allowable Stress Override check box was not selected, you could not calculate an RBI 581 Risk Analysis linked to RBI 581 Thinning and Lining Evaluation or RBI 581 External Damage Evaluation without specifying a value in the Material Grade box. However, for certain Material Specifications, the Material Grade is not required to populate the value in the Allowable Stress field for calculating the RBI Criticality Analysis. This issue has been resolved. Now, in this scenario, if the Allowable Stress and Flow Stress fields contain a value, the Material Grade is not required when calculating the RBI Criticality Analysis.</p>	DE132255

Root Cause Analysis

This topic provides a list of product changes released for this module in this version.



Table 366: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>The following changes have been made to RCA Logic Tree:</p> <ul style="list-style-type: none"> The nodes now expand based on the content. When you select a node in the design canvas, and then add a node from the properties window, the newly added node is automatically assigned to the selected parent node. The Unassigned Node section has been removed and you can no longer drag and drop a node to assign the node to a parent node. The verifications now appear in the design canvas by default. The Show Verifications and Hide Verifications options are no longer available in the Show/Hide menu. 	US433762
<p>You can now rearrange the nodes in the Logic Tree of a published Root Cause Analysis without unpublishing the analysis. To facilitate this enhancement, the Auto Arrange check-box has been enabled in the Logic Tree workspace of published Root Cause Analyses.</p>	US431129

Table 367: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
<p>Previously, in the RCA Event diagram, the Start Date and End Date fields for nodes did not appear in the language based on your culture setting. This issue has been resolved.</p>	DE141547
<p>Previously, when creating an analysis using a Root Cause Analysis (RCA) template, if you attempted to modify data in the Analysis Summary workspace, an error message appeared. This issue has been resolved.</p>	DE140411
<p>Previously, when you exported a diagram that contained text with special characters, the diagram did not appear in the exported file. This issue has been resolved.</p>	DE140117
<p>Previously, in an RCA Event Timeline diagram, the flags for the events that were closely aligned by date overlapped, and thereby the flag content could not be read. This issue has been resolved.</p>	DE139443
<p>Previously, when you attempted to create a Root Cause Analysis (RCA) using a Reliability Center Incorporated (RCI) template, in the Asset Finder window, the Add button () that is used to link an asset with the RCA did not appear. This issue has been resolved.</p>	DE139442
<p>Previously, when you attempted to access a Logic Tree, an error occurred intermittently. This issue has been resolved.</p>	DE137086
<p>Previously, in a Logic Tree diagram, when you selected the Zoom to Fit button (), the logic tree was not displayed as expected. This issue has been resolved.</p>	DE135032
<p>Previously, in a new Logic Tree, if the Show Logic Gates option was selected, the output port circle on the hypothesis nodes disappeared. This issue has been resolved.</p>	DE132961

Rounds Data Collection

This topic provides a list of product changes released for this module in this version.

Table 368: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Rounds Data Collection Overview page, in the Overdue Items and Due Items sections, the value in the Due On or After field was not refreshed as expected. This issue has been resolved.	DE137516
Previously, in Rounds Designer, when a set of checkpoints existed under a condition, and one of the checkpoints was set to inactive, the subsequent checkpoints in the set did not appear in Rounds Data Collection. This issue has been resolved.	DE136818
Previously, when you uploaded routes from the GE Digital APM mobile application to GE Digital APM Server, the upload failed sometimes due to errors. This issue has been resolved. Now, the routes upload process is modified to reduce the risk of errors occurring with some adjustments to the payload that is sent from the GE Digital APM mobile application to GE Digital APM Server.	DE135719
Previously, when a Route was not loaded due to incorrect combination of size and structure of the Route, an error message appeared on Android devices. In other cases, Route did not load and the GE Digital APM mobile application closed. These issues have been resolved. Now, the Route loads without any error.	DE131777
Previously, when you added a link to a reference document in a checkpoint, you could not access the link using Rounds Data Collection. This issue has been resolved.	DE128557
Previously, in a Lubrication Requirement record, if the ML_LUBR_REQ_QTY_N field contained a numeric value, the checkpoints in a route that contained the field did not appear in the Rounds Data Collection. This issue has been resolved.	DE127247

Rounds Designer

This topic provides a list of product changes released for this module in this version.

Table 369: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, in the Rounds Designer documentation, the Reference Documents section contained information that when the reference documents were associated with a Measurement Location, you could view one image per Checkpoint even though you were offline. This issue has been resolved.	US434219

SAP and SAP PI UDLP V2.9.0

This topic provides a list of product changes released for this module in this version.

Table 370: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve the performance of the Functional Location interface, the Functional Location interface now does not run the Equipment interface to synchronize installed equipment.	US405202
SAP Work History extraction interface has been enhanced to improve the performance of the synchronization process.	US402492

Table 371: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, the SAP-PI PWORK (Planned Work) interface did not create relationship between EAM Plan Details and corresponding Action ID in GE Digital APM. This issue has been resolved.	DE141770
Previously, Functional Location Interface was not able to extract functional location records with wildcard filters. This issue has been resolved.	DE134047
Previously, when you had a set of inspection tasks created for future dates, and you scheduled the job for daily execution, the work order generation jobs could miss generating Work Orders in SAP. This issue has been resolved.	DE133121
Previously, if a maintenance item was associated with multiple maintenance packages, and you imported the maintenance item from SAP to GE Digital APM using an ASI Implementation Package, some maintenance packages were not imported. This issue has been resolved.	DE131227

Security Manager

Table 372: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now deactivate the user account of a Security User in GE Digital APM in the following scenarios: <ul style="list-style-type: none">• The user account is no longer associated with a Security Group.• The corresponding user account in Microsoft Active Directory is active. To facilitate this enhancement, a new drop-down list box, LDAP Sync Domain Settings , has been added to the LDAP page.	US422626
Security of passwords has been improved with additional encryption in GE Digital APM.	US410251
You can now deactivate a GE Digital APM security user through Microsoft Active Directory, if the user account of the security user is no longer associated with GE Digital APM. The corresponding GE Digital APM user is deactivated after the LDAP sync.	DE132529
Security has been improved with advanced encryption in GE Digital APM.	DE120422

Table 373: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, after upgrading GE Digital APM, when you activated the basic GE Digital APM license and attempted to access GE Digital APM using an Oracle data source, an error occurred. This issue has been resolved.	DE136580
Previously, if a user account was locked in Microsoft Active Directory, and you ran the LDAP synchronization process, the corresponding Security User account in GE Digital APM was locked. This issue has been resolved. Now, in this scenario, the user account of a Security User is not locked even though the corresponding account is locked in Microsoft Active Directory.	DE131495

Table 374: Obsolete Features

The following features are no longer available.

Description	Tracking ID
If a Security User account is created after the LDAP synchronization process is run, the Locked check box no longer appears in the corresponding Security User record.	DE131495

Single Sign-On

This topic provides a list of product changes released for this module in this version.

Table 375: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now access GE Digital APM without signing in, in the following scenarios: <ul style="list-style-type: none"> The user authentication using SSO is enabled for GE Digital APM. Only one data source is associated with GE Digital APM. 	DE134715

SIS Management

This topic provides a list of product changes released for this module in the specified versions.

Table 376: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To support the latest updates as per the new revision of IEC 61511-2016, the following enhancements have been made: <ul style="list-style-type: none"> SIS Management now supports the exSILentia v4 calculation engine. You can now import data from an Exida project file in .exp format to GE Digital APM. The Upgrade Loop button has been added to the page containing the Protective Instrument Loop datasheet, where you can upgrade the loop to support the exSILentia v4 calculation engine. GE Digital APM supports SERH (exSILentia v3 library) and SERHx (exSILentia v4 library) version 2019.04.01. 	F48906

Table 377: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when downloading a SIS proof test task to the APM Mobile Application, if the associated asset was linked to multiple Instrumented Functions, the Proof Test Templates did not appear. This issue has been resolved.	DE142740
Previously, in certain cases, after you updated a field in the SIS Proof Test Event datasheet, the value in the Task Addressed field was cleared. This issue has been resolved.	DE142717
Previously, when calculating using the exSilentia v3 calculation engine, the calculated results were incorrect. This issue has been resolved. Now, an updated SERH file (version 2019.04.01) is used, and the values in the PVST and Use Custom PVST fields are used in the calculation.	DE141206
Previously, when you attempted to import a .exi file into GE Digital APM using Internet Explorer 11, an error occurred. This issue has been resolved.	DE141194

Table 378: Deferred Features

The following items are deferred from V4.5.0.0.0.

Description	Tracking ID
The functionality to export data from an Exida project file in .exp format is not available in GE Digital APM V4.5.0.0.0.	F48906

System Requirements

This topic provides a list of product changes released for this module in this version.

Table 379: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, if user authentication using SSO was enabled for GE Digital APM, when you attempted to access GE Digital APM using Google Chrome version 80 or a higher version, an error message appeared, and the login failed. This issue has been resolved.	DE140178

Table 380: Obsolete Features

The following features are no longer available.

Description	Tracking ID
Microsoft SQL Server 2014 is no longer supported in GE Digital APM.	US426134


Thickness Monitoring

This topic provides a list of product changes released for this module in this version.

Table 381: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>Thickness Monitoring now supports rotation and flip of piping components. To facilitate this enhancement, the following changes have been made:</p> <ul style="list-style-type: none"> • The Pipe Rotation Preferences section has been added to the TM Admin Preferences page, where you can enable the piping rotation workflow. • The Wall Ratio Preferences section has been added to the TM Admin Preferences page, where you can enter the parameters used for defining custom alert levels. • The Piping Asset check box is added to the Corrosion Analysis Settings workspace, where you can designate piping assets. This check box appears when the piping rotation workflow is enabled. • For piping assets, the Rotate/Flip Selection button has been added to the Analysis Overview workspace. <p>In addition, the following features are available:</p> <ul style="list-style-type: none"> • In the window used to rotate or flip a component: <ul style="list-style-type: none"> ◦ Band heat maps denoting the alert levels for each TML in a band are available. ◦ Widgets displaying the current positions of the TMLs on a selected band, and a preview of the changed positions after a Rotation or Flip are available. ◦ The Add as What-If button to create What-If scenarios for rotating or flipping a piping component is available. • For piping components, the PIPE ROTATION: HISTORY section that displays rotation or flip history is available. • For piping bands, the Trends graphs that display historical measurement data for each position on the band, and for each TML in the band are available. • An option to undo the last rotation or flip is available. • For each rotation or flip, an Inspection record is created. These records appear in the Inspections section of the Inspection Management Overview page of the Inspection Management module. 	<p>F51409</p>
<p>You can now create or update records for Components, Bands, TMLs, and Thickness Measurements for Piping Assets using the Piping Data Loaders. You can also create or update Corrosion Analysis Settings (CAS) records. To facilitate this enhancement, the following Excel templates are provided:</p> <ul style="list-style-type: none"> • Thickness Monitoring (TM) Piping Equipment.xlsx • Thickness Monitoring (TM) Piping Functional Location.xlsx 	<p>US430968</p>

Description	Tracking ID
<p>To improve usability, the following changes have been made:</p> <ul style="list-style-type: none"> The Remaining Life tab has been removed from the Analysis Overview workspace for assets and TML Groups. You can now select the Analysis Output tab, and then expand the REMAINING LIFE section to view the Remaining Life graph and the Remaining Life table. The Trends tab has been removed from the Analysis Overview workspace for TMLs. You can now select the Analysis Output tab, and then expand the TRENDS section to view the Trends graph. 	US422930
<p>In the TML Trends graph, you can now view the lines representing the alert levels based on the values defined in the Wall Ratio Preferences section of the TM Admin Preferences page. In addition, you can also view the line representing the nominal thickness value.</p>	US417412
<p>You can now add advanced filters to the TMLs in the TMLs section of the Analysis Overview workspace. To facilitate this enhancement, in the TMLs section, the Filter button () has been added.</p>	US417400
<p>To improve performance, for an Asset that contains only TML Groups directly linked to it, the Remaining Life Graph for the Asset displays information about the remaining life for the TML Groups linked to the Asset.</p>	US414312
<p>To improve usability when sending data to a datalogger, the following enhancements have been made:</p> <ul style="list-style-type: none"> The Select TMLs pane has been added to the TM Dataloggers page, where you can select multiple items at the Asset, TML group, and TML levels to send to the device. The Selected TMLs workspace has been added to the TM Dataloggers page, where you can view the list of selected TMLs before sending data to the device. <p>Note:</p> <ul style="list-style-type: none"> You must install the latest version of the Meridium Device Service to use TM Dataloggers. Sending measurement data for the TMLs for Piping Assets, Piping Components, and Piping Bands is only supported for the Olympus 38DL Plus Ultrasonic Thickness Gage datalogger. For the Olympus 38DL Plus Ultrasonic Thickness Gage datalogger, a single file is created for each Asset instead of a TML Group. You can rename the files before sending to the device, as needed. 	US414309
<p>To improve usability and performance when sending or receiving measurement data in the TM Dataloggers page, the send and receive operations have now been moved to scheduler.</p>	US409560
<p>You can now view the basis for which the value in the Measurement Status Indicator for a measurement was changed. To facilitate this enhancement, the Measurement Status Indicator Basis field has been added to the Thickness Measurements datasheet.</p>	US408143
<p>To improve usability when receiving and saving data from the Olympus 38DL Plus Ultrasonic Thickness Gage datalogger, the Datalogger History family has been introduced. TML records are now identified by entity keys stored in Datalogger History records rather than by Asset IDs and TML IDs. In addition, in the Receive From section, the FILENAME column has been added to display the file name corresponding to each TML record received from the device.</p>	US400590

Description	Tracking ID																		
<p>To improve performance, the following queries have been modified to retrieve the ENTY_ID from the Equipment or Asset Hierarchy instead of the MI_ENTITIES table of the database:</p> <table border="1"> <thead> <tr> <th>Query</th> <th>Path</th> </tr> </thead> <tbody> <tr> <td>Assets Near or Past Retirement</td> <td>Public/Meridium/Modules/Thickness Monitoring/Queries</td> </tr> <tr> <td>Assets with TM Tasks</td> <td>Public/Meridium/Modules/Thickness Monitoring/Queries</td> </tr> <tr> <td>Corrosion Distribution</td> <td>Public/Meridium/Modules/Thickness Monitoring/Queries</td> </tr> <tr> <td>Excessive Corrosion</td> <td>Public/Meridium/Modules/Thickness Monitoring/Queries</td> </tr> <tr> <td>Remaining Life Less than 180 Months</td> <td>Public/Meridium/Modules/Thickness Monitoring/Queries</td> </tr> <tr> <td>Thickness Inspections</td> <td>Public/Meridium/Modules/Thickness Monitoring/Queries</td> </tr> <tr> <td>TM Assets</td> <td>Public/Meridium/Modules/Thickness Monitoring/Queries</td> </tr> <tr> <td>TM Assets Requiring a Calculation</td> <td>Public/Meridium/Modules/Thickness Monitoring/Queries</td> </tr> </tbody> </table>	Query	Path	Assets Near or Past Retirement	Public/Meridium/Modules/Thickness Monitoring/Queries	Assets with TM Tasks	Public/Meridium/Modules/Thickness Monitoring/Queries	Corrosion Distribution	Public/Meridium/Modules/Thickness Monitoring/Queries	Excessive Corrosion	Public/Meridium/Modules/Thickness Monitoring/Queries	Remaining Life Less than 180 Months	Public/Meridium/Modules/Thickness Monitoring/Queries	Thickness Inspections	Public/Meridium/Modules/Thickness Monitoring/Queries	TM Assets	Public/Meridium/Modules/Thickness Monitoring/Queries	TM Assets Requiring a Calculation	Public/Meridium/Modules/Thickness Monitoring/Queries	US398215
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To improve usability, for security users not associated with the MI Thickness Monitoring Administrator Security Group, the Delete option for TML Groups, TMLs, and measurements has been removed.	DE134925																		

Table 382: Resolved Issues

The following issues, which existed in one or more previous versions, have been resolved.

Description	Tracking ID
Previously, when measurement data was received for multiple assets from a datalogger, and you saved the TML records to GE Digital APM, the analyses were not calculated for all the assets. This issue has been resolved. Now, in this scenario, the save and calculate jobs have been moved to scheduler, and the analyses are re-calculated for all the assets.	US426081
Previously, when modifying TMLs in bulk, if you selected multiple TMLs in the TMLs section, and then selected Edit in Bulk , the TMLs that appeared in the Bulk Edit TMLs window were not sorted based on the TML ID. This issue has been resolved.	DE138120
Previously, for a Security User associated with a UOM Conversion Set, the value in the Allowable Stress field in the TML Details section was not converted for Tanks of types Annular Ring and Riveted Shell. This issue has been resolved.	DE135631
Previously, when you copied a TML, duplicate TML IDs appeared in the left pane in the Analysis Overview workspace. This issue has been resolved.	DE134227
Previously, when calculating the Average Corrosion Rate, the corrosion rates for TMLs with negative corrosion rates were used for the calculation. This issue has been resolved. Now, the corrosion rates for TMLs with negative corrosion rates are replaced with zero for the purpose of calculation.	DE133677

Description	Tracking ID
Previously, for Tanks of the type Annular Ring, in the TML Details section, the value in the Allowable Stress field was not populated since the calculation was incorrectly based on the value of Piping Nominal Diameter in the Piping subsection. This issue has been resolved. Now, the Allowable Stress field is populated based on the value of Tank Diameter in the Tank subsection.	DE132868
Previously, when you accessed the Integrity section from Asset Hierarchy, link in the Thickness Monitoring row took longer to load depending on the number of assets in the Asset Hierarchy. This issue has been resolved.	DE132867

Table 383: Obsolete Features

The following features are no longer available.

Description	Tracking ID
<p>The Corroded Area subsection is no longer available in the TML datasheet. The following fields have been removed from the datasheet:</p> <ul style="list-style-type: none"> • Is Corroded Area • Corroded Area Length • Corroded Area Width • Corroded Area Rows • Corroded Area Columns 	DE114180