



Release Notes



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Chapter 1

GE Digital APM Release Notes

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V4.4.0.0.16

Family Management

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, for workflow use cases where Many to Many relationships with large number of updates were processed, an error may have occurred. This issue has been resolved.	DE188132

V4.4.0.0.15

Calibration 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, in a Functional Test Template datasheet, when you selected the Refresh Equipment Data check box and saved the datasheet, the Equipment or Functional Location values were not copied to the template. This issue has been resolved.	DE184463

Failure Modes and Effects Analysis

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, when loading an FMEA Analysis Template that has multiple virtual assets, the data did not load correctly. This issue has been resolved.	DE182685

Family Management

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, for workflow use cases where Many to Many relationships with large number of updates were processed, an error may have occurred. This issue has been resolved.	DE183396

Reliability Centered Maintenance

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, if you linked a failure mode to an asset and subsequently linked it to a different asset, when the RCM recommendations were promoted to ASM, the asset strategy was updated only for the first asset. This issue has been resolved.	DE182686

Root Cause Analysis

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, in the RCA Event Timeline diagram, when you hovered over an Event, the tooltip was not aligned correctly. This issue has been resolved.	DE183491
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.	DE183481

V4.4.0.0.14

Asset Strategy Management

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 you attempted to save an unmitigated risk assessment for a Risk using a Risk Matrix with no financial category, a timeout error occurred. This issue has been resolved.	DE174207
Previously, in the Implement Actions workspace, when an action was linked to an EAM Plan with multiple maintenance items associated to the maintenance plan, an incorrect EAM work order was displayed. This issue has been resolved.	DE173210

Data Loaders

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 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.	DE174679

Production Loss Analysis

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, 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.	DE174223

Root Cause Analysis

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, 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.	DE173826
Previously, in RCA Reports, you could not view large Logic Tree Diagrams with sufficient granularity. This issue has been resolved. Now, the tree diagram can be split into multiple pages, which allows you to view the diagram with improved resolution.	DE171721

Thickness Monitoring

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 attempted to open a Thickness Measurement Location by selecting the hyperlink in the Based On window accessed from the Analysis Output tab of Thickness Monitoring, an incorrect Thickness Measurement Location record was opened. This issue has been resolved.	DE173269

V4.4.0.0.13

Compliance 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, 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.	DE165827

Family Policies

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
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.	DE163869

Generation Availability Analysis

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

Table 14: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>The NERC reporting requirements for NERC GADS Performance Report 05 have been updated for the following fields:</p> <ul style="list-style-type: none"> Planned Outage Hours Maintenance Outage Hours 	US509858

Life Cycle Cost Analysis

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
<p>Previously, as a non-English language user, you were unable to apply Declining Balance Factor for the Depreciation Method. This issue has been resolved.</p>	DE163146

Policy Designer

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
<p>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.</p>	DE163869

Reliability Analytics

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
<p>Previously, if event dates were not added for all the datapoints, the extrapolation method failed to estimate the number of measurements. This issue has been resolved. Now, only a minimum number of datapoints are required to execute extrapolation of failure dates.</p>	DE166070

Risk Based Inspection

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

RBI 580 and 581

Table 18: Resolved Issues

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

Description	Tracking ID
Previously, in the Active page of RBI Evergreening workspace, when you generated the bulk recommendations for analyses of components linked to the same parent asset, the recommendations were not consolidated. This issue has been resolved. Now, when you generate the recommendations and select Yes on the consolidation confirmation, the Recommendations are consolidated based on Degradation Mechanism and Task Type.	DE168130
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.	DE165827

RBI 581

Table 19: 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.	DE164484

V4.4.0.0.12

Asset Criticality Analysis

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, in the Criticality Assessment window, if you did not enter the value in the Basis for Assessment text box in English, the value appeared incorrectly. This issue has been resolved.	DE161498

Asset Hierarchy

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 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.	DE162286

Asset Strategy 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, when you selected an ASM Strategy and attempted to export the strategy by assigning a custom file name, an error message appeared. This issue has been resolved. Now, you can successfully select and export any Asset Strategy.	DE157647

eLog

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, 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.	DE159233

Family 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, the behavior of parent family fields was not spread to the child family fields correctly. This issue has been resolved. Now, the field behavior is applied correctly to the child family fields.	DE160914

Generation Availability Analysis

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 created a Primary Event record, and then selected an event type, the value of the fields Gross Available Capacity and Net Available Capacity was calculated incorrectly. This issue has been resolved.	DE158358

Hazards Analysis

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

Table 26: Resolved Issues

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

Description	Tracking ID
Previously, when creating a Risk Assessment Recommendation, the Functional Location ID box in the General Information section was incorrectly populated with the key associated with the functional location instead of the ID of the functional location. This issue has been resolved.	DE157937

Life Cycle Cost Analysis

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

Table 27: Resolved Issues

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

Description	Tracking ID
Previously, in Scenario Definition section, when you attempted to import a valid secondary element an error appeared, and the element was not imported. This issue has been resolved.	DE157397

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, 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 only the user assigned sites.	DE159490

OT Connect

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
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.	DE159537

Policy Designer

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, 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.	DE159122
Previously, when you modified the language setting of the policy execution service user, the execution results and emails sent by policies were not correctly translated. This issue has been resolved.	DE155900

Queries

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, if you ran a query containing a union operator and a column having null values, and then applied a filter on the query results, an error occurred. This issue has been resolved.	DE161915

Record 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, 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.	DE160134
<p>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.</p> <ul style="list-style-type: none"> Any field in the record The state of the record <p>This issue has been resolved. Now, in this scenario, the field values and the state of the record are updated simultaneously.</p>	DE157102

Reliability Analytics

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, in System Reliability Scenario , when adding an asset to the system diagram, you could add the asset only to the central areas of the canvas for the asset to be accepted. This issue has been resolved. Now, you can add an asset to any part of the design canvas.	US483932
Previously, if your culture setting value was not set to US, you could not modify the units for any time related fields present in the Definition section of the Analysis Summary workspace for a Spare Analysis. This issue has been resolved.	DE161112
Previously, when a new automation rule was run, the target Reliability Analyses were not updated with the latest data. This issue has been resolved.	DE160607
Previously, when creating a reliability analysis from a query, if more than 5000 records were found, the process of loading data resulted in a system timeout error. This issue has been resolved. Now, in this scenario, an error message appears indicating that the analysis cannot be created, and you can use a modified query to reduce the scope of search.	DE158054
Previously, in Spares Analysis, when you attempted to navigate from one page to another in a very quick succession, an error message appeared. This issue has been resolved.	DE157417
Previously, in System Reliability, when a planned resource was added to a risk and then removed from the resources list in the Analysis Summary page, the resource was removed from the planned resources list of the risk and could not be added back. This issue has been resolved.	DE156604
Previously, in Spares Analysis, some fields of the HTML Report were not translated to the language corresponding to your language setting. This issue has been resolved.	DE155993

Risk Based Inspection

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

RBI 581

Table 34: 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>	DE155383

Root Cause Analysis

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

Table 35: Resolved Issues

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

Description	Tracking ID
<p>Previously, in 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.</p>	DE160043
<p>Previously, in the RCA Logic Tree, when a failure mode was added to the diagram, the list in the failure mode tab was not updated. This issue has been resolved. Now, the newly added node is also updated in the list of failure modes.</p>	DE159197
<p>Previously, when you deleted a hypothesis from the RCA Logic Tree, the hypothesis name was not removed from the assigned nodes list in the pop-up window. This issue has been resolved. Now, when you delete a hypothesis from the Logic Tree the complete record is deleted.</p>	DE157893
<p>Previously, in the Team Members tab of the RCA Analysis Summary section, as an MI RCA PROACT Admin you were unable to modify Team Member permissions when you are not part of that Team on an RCA Analysis. This issue has been resolved.</p>	DE156390

Rules

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

Table 36: 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 rule to a newly added field, the customized rule was not applied. This issue has been resolved.	DE158409

System Requirements

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

Table 37: 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 GE Digital APM using Google Chrome version 91, the navigation menus containing the scroll bars appeared in the wrong location when you accessed them multiple times. This issue has been resolved.	DE160346

V4.4.0.0.11

eLog

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

Table 38: 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 in the functional locations pane took longer than expected to load, and then the process timed out.	DE156747

Generation Availability 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
<p>Previously, while 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"> • DE156428 • DE156297
<p>Previously, while calculating the duration of events in performance calculation, Daylight Saving Time was not considered that resulted in incorrect values. This issue has been resolved.</p>	DE156206
<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. 	DE156139

Production Loss Analysis

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
<p>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.</p>	DE156563

Record Manager

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, 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.	DE155369

Root Cause Analysis

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

Table 42: Resolved Issues

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

Description	Tracking ID
Previously, when you sent an email message for a Preserved Item Record, the hyperlink in the email message received by the addressee did not work. This issue has been resolved.	DE155282

V4.4.0.0.10

Asset Strategy Implementation

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 you deleted a Maintenance Plan from the Work Management Item (WMI) tree associated with an ASI Package , the actions associated with the child maintenance items were not unlinked. This issue has been resolved.	DE153991

Asset Strategy Management

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

Table 44: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>The following enhancements have been done to the Controlled Strategies section:</p> <ul style="list-style-type: none"> When activating Controlled Strategies with master template, the performance has been improved. <p>Note: For more information about how to fix when strategy templates fail to activate, refer to KBA 000036078.</p> <ul style="list-style-type: none"> The performance of adding new controlled strategies for a template have been improved. The recommended maximum number of controlled strategies is 5000. 	DE153469

Compliance Management

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, when you approved a modified Inspection Plan that had 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.	DE153701

Foundation

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 you loaded values from the Date and DateTime fields to an Oracle data source using Bulk Data Loader, an error occurred. This issue has been resolved.	DE156205
Previously, if your language settings and culture settings in the GE Digital APM application were not 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.	DE153717

Generation Availability Analysis

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

Table 47: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now view Event Number for the corresponding event in the NERC GADS Event Report 07. By default, the Event Number field in an event report shows sequential numbers. To facilitate this enhancement, a new query, Get the Record Order Preference for Event Report, has been added to the Catalog folder \\Public\Meridium\Modules\Generation Management\Queries. You can now modify the query to return Event ID for the Event Number field. For more information on modifying the query, refer to KBA 000037247.	US472804
Generating Reports and Performance Records in bulk now takes 70% lesser time.	US470282

Table 48: 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>	DE154843

Hazard Analysis

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

Table 49: 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 the first System or Node for a HAZOP Analysis or a What If Analysis, an error occurred intermittently. This issue has been resolved.	DE154138

Inspection Management

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

Table 50: 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 value in the Extent field and saved the record, value in the Inspection Confidence field was not updated automatically. This issue has been resolved.	DE150638

Life Cycle Cost 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, in the Summary section of the Analysis Summary workspace, when you selected Show Data button () for the Total Cost chart, the data was not populated in the result grid. This issue has been resolved.	DE153934
Previously, in the Equivalent Unit Cost Chart (EUC) of Analysis Summary page, the result grid for the data displayed an incorrect column header, Depreciated Value . This issue has been resolved. The column header is now updated to Equivalent Unit Cost .	DE153874

Metrics and Scorecards

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, when you selected an Aggregate KPI or Analysis view KPI to modify, default values appeared instead of the configured values for a few fields. This issue has been resolved. Now, in this scenario, the configured values appear for the fields.	DE153438
Previously, the KPI date format in tables and trend charts did not appear based on your culture settings. This issue has been resolved.	DE153034

Production Loss Analysis

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, if your culture setting had a culture other than English, the column headers in the Data Grid on the Production Data page were not translated to the language based on your culture setting. This issue has been resolved.	DE153864

Reliability Analytics

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, in Reliability Analyses, you were unable to censor the datapoints as needed by selecting the points on a chart. This issue has been resolved.	DE154082

Root Cause Analysis

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 your Language setting was not English, when you accessed the Team Members section for an analysis, the roles assigned to the team members were not translated to the language corresponding to your Language setting. This issue has been resolved.	DE153657

SAP Adapters

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, when you ran the Work Management Integration program, and then attempted to harmonize or synchronize the tasks, the relationship between the tasks and a few workflow specific objects was removed. This issue has been resolved.	DE154784

SIS Management

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

Table 57: 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.	DE153709

Table 58: Resolved Issues

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

Description	Tracking ID
Previously, when same asset was linked to more than one predecessor record using the Safety Analysis Has Equipment relationship, the template field was not populated while performing proof test. This issue has been resolved.	DE153708
Previously, when you added an existing proof test task to a record, an error occurred and the task list in the Proof Test Tasks section was not refreshed. This issue has been resolved.	DE153704

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Asset Criticality Analysis

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, 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.	DE149719

Asset Health Manager

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 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.	DE150268

Asset Hierarchy

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, when you upgraded from APM Classic V4.3.0.0.x to V4.4.0.0.x, the asset hierarchy filtering feature on the asset page, was not working. This issue has been resolved.	DE152753

Asset Strategy Implementation

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, in an ASI package, if you navigated quickly through the tree hierarchy, the datasheet and add children options were not in synchronization with the selection. This issue has been resolved.	DE149883
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.	DE149719

Asset Strategy Management

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, 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.	DE149719

Failure Modes and Effects 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, 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.	DE149719

Family 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, 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.	DE151146

Manage Translations

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, 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.	DE149328

OT Connect

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, in Tag Browser and OT AHI Connector, Tag search did not work on tags with non-English symbols. This issue has been resolved.	DE150253

Policy Designer

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

Table 68: 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.	DE150660

RBI 581

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, the Calculated T-min field on 581 Risk Analyses was calculated incorrectly when Geometry Type field value was Piping. This issue has been resolved. Now, the Calculated T-min field on 581 Risk Analyses is calculated using the formula from the reference, ASME B31.3, 2014 Edition. For more information about the formula, refer to KBA 000036403 .	DE151334
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 .	DE149235

Record Manager

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, in record manager, when you attempted to access a record and print the datasheet, a blank document was downloaded. This issue has been resolved.	DE151475

Reliability Centered Maintenance

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 accessed GE Digital APM using a Chrome browser, there was a performance issue while saving records through the datasheet. This issue has been resolved.	DE149719

Reports

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, 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.	DE144651

Root Cause Analysis

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, if you were a member of the team associated with a Root Cause Analysis (RCA), you could change the state of the RCA from In Progress to Pending Approval only if you were assigned with the Principal Analyst role. This issue has been resolved. Now, irrespective of the team member role, you can change the state of the RCA if you are assigned to a security group or a security role that has privileges to change the states.	DE152333

Search

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 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.	DE152246

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APM Connect

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, the following APM REST API endpoints did not have licensing checks or user level security checks: <ul style="list-style-type: none">• internal/connect/workrequestdchedule• internal/connect/workrequestdchedule• internal/connect/workrequestdchedule• 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 This issue has been resolved.	DE145697

Asset Hierarchy

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, 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.	DE148488
Previously, the scheduled Asset Hierarchy rebuild task failed and an error message appeared. This issue has been resolved.	DE145594

Asset Strategy Implementation

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

Table 77: Resolved Issues

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

Description	Tracking ID
Previously, if your culture setting had a culture other than English, when you attempted to add Task List from SAP in ASI package, the GE Digital APM application did not respond. This issue has been resolved.	DE148082
Previously, the Operation description did not appear in the Operation Name in the WMI hierarchy, if the operation description had special characters, < or >. This issue has been resolved.	DE146869
Previously, when you linked an Action to an operation or maintenance item, the Action name did not appear in the WMI tree. This issue has been resolved.	DE146868
Previously, when you attempted to add an Operation to an ASI Implementation Package, GE Digital APM stopped responding. This issue has been resolved.	DE146441

Calibration Management

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

Table 78: Resolved Issues

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

Description	Tracking ID
Previously, when Functional Test template data was downloaded to Fluke 754 Calibrator, and when performing the calibration, the text that prompts you to enter technician ID did not appear in the Calibrator. This issue has been resolved.	DE146290

Installation

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

Table 79: 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.	US456670

OT Connect

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
OT Connect now supports OSI PI Collectives using the OSI PI Adapter through AF SDK. 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.	DE141146
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.	DE147607
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.	DE146990
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.	US443641
The OT Connect Tag Sync error logging has been improved.	DE146990
The OT Source password used for GE Historian and OSI PI Adapter is now encrypted.	DE147944
To improve the logging on startup for GE Historian or OSI PI adapters, the authentication or connectivity errors are now reported in the OT Source Status Details section on startup.	DE146990
The performance of OT Connect when adding tags with a Tag Sync has been improved significantly.	DE149513

Reliability Analytics

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

Table 81: Resolved Issues

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

Description	Tracking ID
Previously, in System Reliability Analysis, the value on the Resource Time graph was incorrect if the resource time was being rounded to three decimal places. This issue has been resolved.	DE146552

Root Cause Analysis

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, if a Root Cause Analysis was in a state other than the Not Started state, and you attempted to save the analysis as a template, an error occurred. This issue has been resolved.	DE146577

Thickness Monitoring

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, in the TM Family 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.	DE147643

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APM Connect

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

Table 84: Resolved Issues

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

Description	Tracking ID
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 the 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.	DE145417

Generation Availability Analysis

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

Table 85: 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	US448775
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. 	<ul style="list-style-type: none"> US447524 US447523 US447522 US447521 US447514 US447513 US440976 																					

Table 86: 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.	DE146623

V4.4.0.0.6

Calibration Management

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
Previously, if your culture setting had a culture other than English, when you sent data to a Fluke 754 calibrator using a template, the data in the Fluke 754 calibrator device contained invalid characters. This issue has been resolved.	DE143268

Compliance 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
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.	DE145730
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.	DE145681

Datasets

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
Previously, the Date column in a dataset was blank, if the dataset was created by importing an Excel file that contained a date field and in the Data Type column, Date was selected. This issue has been resolved.	DE143588

Family Policies

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
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.	DE144608
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.	DE142627

Generation Availability 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
You can now add Tertiary and Quaternary fuels to a Performance record. To facilitate this enhancement, two new tabs, Tertiary and Quaternary, have been added to the Performance Fuel section.	US437649

Inspection Field Data Collection

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 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.	DE144867

Inspection Management

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

Table 93: 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 accessed the Inspection Management Overview page for a hierarchy level and selected a tab, the corresponding section did not load and displayed a blank space. This issue has been resolved.	DE145340
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.	DE144071

Policy Designer

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

Table 94: Resolved Issues

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

Description	Tracking ID
Previously, if records in the asset hierarchy were updated at high frequency, GE Digital APM stopped responding. This issue has been resolved.	DE144336
Previously, if the Policy Execution 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 Trigger service is stopped and restarted.	DE143089
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.	DE142627
Previously, if a policy was executed at high frequency, GE Digital APM stopped responding. This issue has been resolved.	DE140198

Root Cause Analysis

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

Table 95: Resolved Issues

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

Description	Tracking ID
Previously, in an RCA Event Diagram, the flags overlapped if the events contained the same start date, and therefore you could not read the content of the flags. This issue has been resolved.	DE138956

Search

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

Table 96: Resolved Issues

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

Description	Tracking ID
Previously, if the ID of a record contained a numeric value, and you searched for the record using global search, the record that appeared in the search results contained an incorrect ID. This issue has been resolved.	DE145010

Security Manager

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

Table 97: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
Security has been improved with advanced encryption in GE Digital APM.	DE144384

Table 98: Resolved Issues

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

Description	Tracking ID
Previously, if you removed multiple Security Users from a Microsoft Active Directory Group, and then ran the LDAP synchronization process, the Security Users were not dissociated from the corresponding Security Role in GE Digital APM. This issue has been resolved.	DE143226

Thickness Monitoring

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 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.	DE144637
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 update, you must install the latest version of the Meridium Device Service.	DE144533

V4.4.0.0.5

Catalog

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 Personal catalog folder did not appear in the Catalog page for new security users. This issue has been resolved.	DE139753

Family Management

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

Table 101: Resolved Issues

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

Description	Tracking ID
Previously, when behaviors on cascading picklist contained the value of a reference field, the field was considered as a picklist. This issue has been resolved. Now, cascading picklists support both picklist field and text field.	DE142113
Previously, if a family inherited the state configuration from its root family, when you attempted to disable the state functionality for the family, an error occurred. This issue has been resolved.	DE140145
Previously, when you added the Required or Disable behavior to a family field, and then attempted to specify an Else condition for the field, the values in the Else section did not appear. This issue has been resolved.	DE139945

Family Policies

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

Table 102: Resolved Issues

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

Description	Tracking ID
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 is limited now.	DE143094

Inspection Field Data Collection

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, 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 the datasheet 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 drop-down list box. This issue has been resolved.	DE139767

Inspection Management

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, 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.	DE142897

RBI 581

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, 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, according to the API 581, 3rd edition specification, the Online Monitoring Adjustment is now 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.	DE139033

Search

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

Table 106: Resolved Issues

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

Description	Tracking ID
Previously, in the Search Configuration page, in the Family Search Settings workspace, when you selected or cleared the Exclude check box and saved the setting, the change was not saved. This issue has been resolved. This issue has been resolved.	DE139974

System Requirements

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

Table 107: 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 KBA 000036587.	US423311

Table 108: 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.	DE141210

V4.4.0.0.4

APM Connect

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, there was a performance issue during the data synchronization process of the Work History extraction interface. This issue has been resolved. Now, the performance of the Work History data synchronization process has been improved significantly.	DE140116

V4.4.0.0.3

APM Mobile Application

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
Previously, in Rounds Designer, if 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.	US423024

Asset Hierarchy

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
Previously, in the Hierarchy section, when applying taxonomy filter for an asset, if you selected a value in the Category drop-down list box, the CLASS and TYPE drop-down lists were not populated with all the values based on the filter criterion. This issue has been resolved.	DE136821

Family Management

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
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

General Dashboards

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

Table 113: Enhancements and New Features

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

Description	Tracking ID
Previously, if the parent folder of a folder that contained the Dashboard or Homepage referenced catalog items was deleted, during an upgrade from V3.X.X.X.X to V4.4.0.0.X, the object does not exist message appeared. This issue has been resolved.	<ul style="list-style-type: none">DE136759DE136758

Inspection Field Data Collection

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

Table 114: 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 the 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 drop-down list box. This issue has been resolved.	DE137051

Life Cycle Cost Analysis

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

Table 115: Resolved Issues

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

Description	Tracking ID
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.	DE136087

Reliability Analytics

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

Table 116: Resolved Issues

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

Description	Tracking ID
Previously, when running Monte Carlo simulations for Reliability Analyses, sometimes, the simulations run did not complete successfully. This issue has been resolved.	DE136752

Risk Based Inspection

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
<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>	DE137631

Rounds Data Collection

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, 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 Rounds Data Collection. This issue has been resolved.	US423024

SAP Adapters

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

Table 119: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
SAP Work History extraction interface has been enhanced to improve the performance of the synchronization process.	US425325

Thickness Monitoring

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

Table 120: 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 re-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.	DE137494

V4.4.0.0.2

Action Management

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

Table 121: Resolved Issues

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

Description	Tracking ID
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

APM Mobile Application

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 uploaded routes from the APM mobile application to APM Unified Server, the upload failed sometimes due to errors. The issue has been resolved. Now, the routes upload process is modified to reduce the risk of errors occurring with some adjustments made to the payload that is sent from the APM mobile application to APM Unified Server.	DE135719
Previously, there were some performance issues in GE Digital APM mobile application while uploading readings to the GE Digital APM Server. This resulted in delay and errors in uploads. These issues have now been resolved by improving the upload performance.	DE135504
Previously, when a Route was not loaded due to incorrect combination of size and structure of the route, an error message appeared in android devices. In other cases, the Route did not load and the GE Digital APM mobile application closed. This issue has been resolved. Now, the Route loads without any error.	DE132815

Asset Health Manager

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

Table 123: 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 an 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 Management

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

Table 124: Resolved Issue

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

Description	Tracking ID
Previously, in the Risk Analysis workspace, when using a risk matrix with Max Risk Rank enabled, the proposed risk rank was incorrectly calculated. This issue has been resolved.	DE132081

Compliance Management

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

Table 125: Resolved Issue

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

Description	Tracking ID
Previously, when you tried to approve an Inspection Plan on Compliance Recommendations where recommended interval scope was not set, an error occurred. This issue has been resolved.	DE135626
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.	DE134658

Failure Modes and Effects Analysis

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

Table 126: Resolved Issues

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

Description	Tracking ID
Previously, in an FMEA Analysis, when you selected a node and while the datasheet for the node was being loaded, if you selected another node, an error occurred. This issue has been resolved.	DE130747

Family Policies

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

Table 127: Resolved Issues

Description	Tracking ID
Previously, if an error occurred during the execution of a sub-policy that is called by another sub-policy, the View Execution Details link did not appear in the Node Execution Details window of the sub-policy. This issue has been resolved.	DE134906
Previously, if a Cancel Transaction node was executed in a family policy triggered by implementing an Action in an Asset Strategy, the configured notification message was not displayed. This issue has been resolved.	DE131623

Inspection Management

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

Table 128: Resolved Issues

Description	Tracking ID
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

Metrics and Scorecards

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
<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>	DE132537
Previously, after you upgraded the GE Digital APM database from V3 to V4, KPI Measurement records were created with certain empty fields. This issue has been resolved.	DE131497

OT Connect

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

Table 130: 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, that is 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>	DE133659
<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 <p>For more information on the OPC DA Protocol Adapter, refer to the OPC DA Protocol Adapter topic.</p>	US415893
<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 <p>For more information on the GE Historian Protocol Adapter, refer to the GE Historian Protocol Adapter topic.</p>	US415892
<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 <p>For more information on the OSI PI Protocol Adapter, refer to the OSI PI Protocol Adapter topic.</p>	US415891

Policy Designer

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

Table 131: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>Previously, if an error occurred during the execution of a sub-policy that is called by another sub-policy, the View Execution Details link did not appear in the Node Execution Details window of the sub-policy. This issue has been resolved.</p>	DE134906

Reliability Centered Maintenance

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, in an RCM Analysis, when you selected a node and while the datasheet for the node was being loaded, if you selected another node, an error occurred. This issue has been resolved.	DE130747

Root Cause 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 running the RCA Comprehensive Analysis Report, the Logic Tree and Event Diagram did not appear in the SSRS report. This issue has been resolved.	DE135676

Rounds Data Collection

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 you uploaded routes from the APM mobile application to APM Unified Server, the upload failed sometimes due to errors. The issue has been resolved. Now the routes upload process is modified to reduce the risk of errors occurring with some adjustments made to the payload that is sent from the APM mobile application to APM Unified Server.	DE135719
Previously, there were some performance issues in the Rounds Data Collection module while uploading readings to the GE Digital APM Server. This resulted in delay and errors in uploads. These issues have now been resolved by improving the upload performance.	DE135504
Previously, when a Route was not loaded due to incorrect combination of size and structure of the route, an error message appeared in android devices. In other cases, the Route did not load and the GE Digital APM mobile application closed. This issue has been resolved. Now, the Route loads without any error.	DE132815

System Requirements

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

Table 135: Resolved Issues

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

Description	Tracking ID
Previously, when you installed Rules Editor and APM Reports Designer on the GE Digital APM server using Microsoft Visual Studio 2017, the applications did not work as expected. This issue has been resolved.	DE134150

V4.4.0.0.0

Action Management

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

Table 136: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve performance, the Action Management Overview page is no longer updated automatically when you return to the previously opened tab. You can now select Refresh () to update the page.	US379897
To improve usability, in the Action Management page, in the Strategy Actions section, the Interval and Interval Units columns have been added.	US362720
You can now view the Active Work Order information for Actions in Action Management.	US352943
You can now view the Execution (Work) History for Actions in Asset Strategy Management and Action Management.	US352942

Table 137: Resolved Issues

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

Description	Tracking ID
Previously, when you created a notification from a General Recommendation, the Work Request Reference field was not populated even if the Create EAM Notification? check box was selected. This issue has been resolved.	DE122114
Previously, in the General Recommendation family, the Case ID hyperlink did not route you to the specific case as expected. This issue has been resolved.	DE120347

APM Connect

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, in APM Now, certain EAM jobs were not successfully run and the status of the jobs appeared as In Progress in the Status and Log column since the name of the latest log file was not found. This issue has been resolved.	DE129039
Previously, when performing an extraction job to update WMI, Work History, or Technical Characteristic records, if you changed an SAP data attribute to NULL, the corresponding field in GE Digital APM was not updated. This issue has been resolved.	DE111371

Table 139: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
When you extract SAP characteristics to create Technical Characteristic records in GE Digital APM, single-value date and time characteristic values are not populated.	DE131202

Table 140: Obsolete Features

The following features are no longer available.

Description	Tracking ID
The Tags to Assets Relationship data loader is no longer available in GE Digital APM.	US400538

APM Mobile Application

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, individual reading was lost when changing the filter settings for APM Mobile. This issue has been resolved. Now, you can manage better reading and upload workflow. Additionally, messaging and logging have been enhanced around the reading upload process.	DE128269

Table 142: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
When using the Safari browser on iOS 13 mobile devices to access GE Digital APM, you may experience degraded performance.	DE129229

Asset Criticality Analysis

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

Table 143: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now apply an Asset Strategy Template while creating one or many Asset Strategies from Asset Criticality Analysis.	US388608
You can now send criticality updates to SAP in batches instead of updating individual assets.	US382019
To improve performance, criticality values for only the assets that have new or modified values are sent to SAP.	US381407
Asset Criticality Analysis for SAP is now supported in GE Digital APM. You can now update the ABC Indicator field in an Equipment or Functional Location in SAP with the Asset Criticality value from a Criticality Assessment in Asset Criticality Analysis.	US381294
You can now send a maximum of 5000 assets to SAP.	US380173
To improve performance, the Asset Criticality Analysis Overview page is no longer updated automatically when you return to the previously opened tab. You can now select Refresh () to update the page.	US379897
You can now view revisions of a criticality assessment for a given asset in Asset Criticality Analysis.	US313016
You can now view the criticality value for all the assets in an analysis.	US309602
In Asset Criticality Analysis, you can now apply the assessment of an asset in an analysis to other assets within the same analysis.	US300483

Table 144: Resolved Issues

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

Description	Tracking ID
Previously, when you attempted to send criticality values in a batch to SAP, only errors were logged with the success and failure count of the assets. This issue has been resolved. Now, you can view the results of the criticality values that are successfully sent to SAP.	US381408
Previously, when you accessed the ACA Overview page, the data took longer than expected to load. This issue has been resolved.	DE124940
Previously, even though the number of team members associated with an Asset Criticality Analysis (ACA) was more than 20, you could view a maximum of 20 team members in the Team Members section until you added a team member to the ACA team. This issue has been resolved.	DE122640

Description	Tracking ID
Previously, when multiple send to SAP jobs were running, the analysis did not track the correct job. This issue has been resolved.	DE121671
Previously, if you attempted to import an Asset Criticality Analysis record for an asset that did not exist in GE Digital APM, an incorrect error message appeared in the error log. This issue has been resolved. Now, an appropriate error message appears, indicating that the asset does not exist in GE Digital APM.	DE120766
Previously, if you changed the state of an Asset Criticality Analysis, if you modified a value in the Analysis Definition section, and then attempted to save the datasheet, an error occurred. This issue has been resolved.	DE120765
Previously, when a criticality mapping was linked to an EAM, if you attempted to send the criticality indicator to an EAM system other than the target EAM system, an error occurred. This issue occurred only if you had multiple EAM systems. This issue has been resolved. Now, an appropriate error message appears.	DE115402
Previously, when you saved a new analysis, duplicate requests were created. This issue has been resolved.	DE108892

Table 145: Obsolete Features

The following features are no longer available.

Description	Tracking ID
For the Asset Criticality Analysis and Asset Criticality Analysis System families, the following fields are no longer available: <ul style="list-style-type: none"> • Import Date • Import Status • Imported By 	US274720

Asset Health Manager (AHM)

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

Table 146: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
In the Risks section of the Health Summary page, performance has been significantly improved.	US393789
To improve performance, the Asset Health Manager Overview page is no longer updated automatically when you return to the previously opened tab. You can now select Refresh () to update the page.	US379915
The OT Connect Source Tags can now be used to update Health Indicators and the Health Indicator Trend Chart from your process historian. A Health Indicator Mapping for the Content Map (MI_CONTENT_MAP) family supports the OT Connect Source Tag (MI_SOURCE_TAG) family.	<ul style="list-style-type: none"> • US397267 • US388340 • US379034 • US378796

Table 147: Resolved Issues

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

Description	Tracking ID
Previously, the system allowed the creation of duplicate health indicators for a single source and asset. If multiple instances of the Health Service were running, the system sometimes created multiple health indicators when a source was added or modified. This issue has been resolved. The upgrade removes duplicate health indicators and health indicators that do not have health indicator mapping, asset, or source.	DE126108
Previously, when you implemented an action as a health indicator related to a risk, the health indicator did not appear in the Risks section of the Health Summary page. This issue has been resolved.	DE124614
Previously, when you accessed the Health Indicator Source Trend page from Rounds Designer and modified the date range in the date filter, the date range changes were not applied. This issue has been resolved.	DE117098
Previously, when two source mappings for the same health indicator source family had different settings for the Include as Health Indicator Source Field, duplicate entries appeared in the Health Indicator Source Management workspace, and a warning message did not appear. This issue has been resolved. Now, in this scenario, a warning message appears indicating that the source mappings are inconsistent.	DE105772

Table 148: Obsolete Features

The following features are no longer available.

Description	Tracking ID
Configuring the Meridium Notification service is no longer needed as part of the deployment workflow of Asset Health Manager.	US357092

Asset Hierarchy

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

Table 149: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve the performance of GE Digital APM, the data of the <Asset Name> workspace is no longer refreshed automatically when you navigate away from the workspace, and then access the data in the <Asset Name> workspace. However, you can now manually refresh the data of the <Asset Name> workspace. To facilitate this enhancement, a new button, Refresh () , has been added to the <Asset Name> workspace.	US397034
To improve usability, the following enhancements have been made to the Asset Hierarchy panel: <ul style="list-style-type: none"> • A new icon,  , has been added to the Asset Hierarchy panel to collapse the panel. • A new icon,  , has been added to the <Asset Name> workspace to expand the panel. • A breadcrumb containing the full hierarchy path now appears on the panel, indicating the level of an equipment or functional location within the Asset Hierarchy. The breadcrumb also allows you to easily navigate to the parent functional location of an equipment or functional location. • You can now resize the panel by dragging the border of the panel to the required width. 	US394566

Table 150: Resolved Issues

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

Description	Tracking ID
Previously, you could not create an Asset Hierarchy for an equipment or a functional location that contained multiple parent equipment or functional locations, and no error message appeared to indicate the same. Now, in this scenario, an error message appears indicating that there are multiple parent-level equipment or functional locations for the equipment or functional location and the Asset Hierarchy cannot be created.	DE132361
Previously, when you created an Asset Group based on a query, you could add a maximum of 25 assets to the group. This limitation has been removed. Now, you can add all the assets that are part of a query result.	DE124562
Previously, when the name of an asset contained a long string, the asset name was truncated in GE Digital APM. This issue has been resolved. Note: In the Asset Hierarchy panel, you can view the complete name of such assets in a tooltip only when you hover over the asset name.	DE119251

Asset Strategy Implementation (ASI)

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

Table 151: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve performance, specified field level rules use value helper instead of picklist. Note: You can also manually enter a valid value.	US386736
To improve performance, the Asset Strategy Implementation Overview page is no longer updated automatically when you return to the previously opened tab. You can now select Refresh  to update the page.	US379897
Performance when loading the counts on the tabs in the ASI Overview page has been improved.	US343623

Table 152: Resolved Issues

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

Description	Tracking ID
Previously, accessing all the action records in the Manage Actions and Linked Actions sections took longer than expected. This issue has been resolved.	DE123023
Previously, in the Asset Strategy Implementation module, the Get Actions for CMMS System query, which is used to add actions in the Manage Actions section was timing out. This issue has been resolved.	DE122025
Previously, in the Asset Strategy Implementation module, if you made any changes to a child work management item and saved the record, the icon for its parent work management item was not getting refreshed. This issue has been resolved.	DE121845
Previously, when the Work Management Item (WMI) update was in progress, you could navigate away from the current page because the page was not locked. This issue has been resolved.	DE121074
Previously, in Asset Strategy Implementation, within the Japanese culture, the long text was not formatted correctly and could not be opened in SAP. This issue has been resolved.	DE116441

Asset Strategy Management (ASM)

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

Table 153: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now perform the following actions in the Asset Strategies section of the Asset Strategy Management page: <ul style="list-style-type: none"> View the criticality of the assets associated with the Asset Strategy records. Sort the Asset Strategy records based on the criticality of the associated assets. To facilitate this enhancement, the CRITICALITY column has been added to the table in the Asset Strategies section.	US399019
You can now view the default asset information in the datasheet while creating a General Recommendation from the Recommendation Side Panel in Asset Strategy Management and Asset Health Manager.	US382839

Description	Tracking ID
To improve performance, the Asset Strategy Management Overview page is no longer updated automatically when you return to the previously opened tab. You can now select Refresh  to update the page.	US379897
When you use the Import option from the SAP feature, you can now exclude Operations while importing Maintenance Plans, Maintenance Items, and Task Lists, thus improving performance.	US371630
You can now configure the text of probability and consequence through system code in risk matrix, using Consequence Label and Probability Label that are now added to the system code table.	US368150
You can now implement an action as an EAM Maintenance Plan without sending an EAM Work Request. To facilitate this enhancement, sending an EAM Work Request has been made optional.	US362758
You can now view the Active Work Order information for Actions in ASM.	US352943
You can now view the Execution (Work) History for Actions in Asset Strategy Management and Action Management.	US352942
When loading the counts on the tabs in the ASM Overview page, performance has been improved.	US343623

Table 154: Resolved Issues

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

Description	Tracking ID
Previously, in Asset Strategy Search indexing, only a few families were excluded in the Strategy modules. This issue has been resolved. Now, all the sub-families in the Strategy modules are excluded.	US383087
Previously, in the Strategy data loaders, the columns supporting Boolean values incorrectly contained Y or N as field values. This issue has been resolved. Now, the values in the columns appear as TRUE or FALSE.	US363422
Previously, you could not set a value for an additional parameter in the EAM Plan Import initial asset query (that is, <code>Public\Meridium\Modules\Asset Strategy Management\Management\Queries\Locate Assets By EAM System For Import</code>). This issue has been resolved. Now, you can add an additional parameter to the EAM Plan Import initial asset query and set its value through the parameter prompt when importing.	US363249
Previously, you could not set a value for an additional parameter in the EAM Plan Import asset query (that is, <code>Public\Meridium\Modules\Asset Strategy Management\Management\Queries\All_Assets_For_Import</code>). This issue has been resolved. Now, you can add an additional parameter to the EAM Plan Import asset query and set its value through the parameter prompt when importing.	US362755
Previously, when you accessed the Asset Strategy Approval Report, you were prompted to select a Strategy ID. This issue has been resolved.	US310320
Previously, when creating a general recommendation, if the update notification was disabled, multiple notifications were sent to EAM system, and an error occurred. This issue has been resolved.	DE126319

Description	Tracking ID
<p>Previously, an error occurred in Risk Analysis in the following scenarios:</p> <ul style="list-style-type: none"> • If you assessed only one category of a risk and marked the other categories as Not Applicable. • If you cleared check boxes for all the actions. <p>These issues have been resolved.</p>	DE126188
<p>Previously, in the Risk Analysis workspace, data appeared in the Financial Risk graph even when the Financial category was not associated with the Risk Matrix. This issue has been resolved.</p>	DE126099
<p>Previously, when you copied an Asset Strategy Template, the Action ID associated with the template appeared in the new template instead of a new Action ID. This issue has been resolved.</p>	DE125256
<p>Previously, if a Risk Matrix was not associated with a financial Risk Category, when you accessed the risk analysis for a strategy or a template associated with the Risk Matrix, you could not perform any action in the Risk Analysis workspace. This issue has been resolved.</p>	DE123509
<p>Previously, state control was enabled when update SAP job was run for an analysis. This issue has been resolved.</p>	DE121672
<p>Previously, after applying a template as a master to an asset or functional location, if you made changes to the probability and consequence values for a given risk category without affecting its overall risk rank, the changes were not reflected in the controlled strategy. This issue has been resolved.</p>	DE121492
<p>Previously, if your culture setting had a culture other than English, when you specified filter criteria to filter the system strategies by states in the Review Strategy workspace, the strategies were incorrectly filtered. This issue has been resolved.</p>	DE121286
<p>Previously, there was inconsistency in Asset ID, Asset Description, FLOC ID and FLOC Description fields while creating and updating the General Recommendation. This issue has been resolved.</p>	DE121197
<p>Previously, when implementing Actions as an EAM Maintenance Plan, incorrect URL was generated and added to the Recommendation Description field. This issue has been resolved.</p>	DE119002
<p>Previously, when you attempted to assess risk using a risk matrix that was associated with the following categories, an error occurred.</p> <ul style="list-style-type: none"> • Non-financial category with a protection level • Financial category <p>This issue has been resolved.</p>	DE118408

Table 155: Obsolete Features

The following features are no longer available.

Description	Tracking ID
<p>The following deprecated fields are no longer available in the Asset Strategy Approval report:</p> <ul style="list-style-type: none"> • Asset Key • Asset Name • Asset Type • Site Reference • Strategy Owner • Strategy Activation Date • Strategy Activated By 	DE121048

Asset Strategy Optimization (ASO)

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, if you promoted a Reliability Centered Maintenance (RCM) or Failure Modes and Effects Analysis (FMEA) analysis to a strategy, and then attempted to optimize the actions of the strategy, the optimization of the actions took longer than expected. This issue has been resolved.	DE122631
Previously, when you attempted to optimize a strategy with an action type other than condition-based maintenance and do run simulation, an error message appeared. This issue has been resolved.	DE120644
Previously, when loading the proposed risk in Asset Strategy Optimization, if the risk assessment was done with risk matrix having less than three categories, an error occurred. This issue has been resolved.	DE118410

Calibration Management

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

Table 157: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>You can now create or link a calibration task with more than one Calibration Template, enabling you to define and use multiple templates to perform calibration for the same asset and task combination. To facilitate this enhancement, the following changes have been made:</p> <ul style="list-style-type: none"> • To retrieve the associated Template for a Task, the relationship "Has Templates" is used instead of the field value in the "MI_TASKCALB_CALIB_TEMPL_ID_N" field. • Cardinality of the Relationship "Has Templates" has been changed to "Many To Many". • The following two Catalog Queries have been changed to use the relationship instead of field value: <ul style="list-style-type: none"> ◦ Public\Meridium\Modules\Calibration Management\Queries\Manage Calibration Task with Task Assigned Query ◦ Public\Meridium\Modules\Calibration Management\Queries\Manage Calibration Task Without Task Assigned Query 	US384941
<p>You can now perform pressure calibration using Fluke 729 Automatic Pressure Calibrator.</p> <p>Note: Fluke 729 Automatic Pressure Calibrator supports both analog and discrete calibration.</p>	US384751

Table 158: Resolved Issues

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

Description	Tracking ID
Previously, after you upgraded the GE Digital APM database from V3 to V4, you could not update the applied templates when you changed the Calibration Strategy in a Calibration Profile. This issue has been resolved.	US379741
Previously, after you upgraded the GE Digital APM database from V3 to V4, certain fields in the Calibration Profile were set to empty. Also, you could not change the Calibration Strategy or link additional assets to the upgraded Calibration Profile. This issue has been resolved.	US379739
Previously, when performing automated calibration using a Fluke Calibrator connected to a computer with a culture setting other than English, the task list was not updated in the Fluke Calibrator device. This issue has been resolved.	DE131106
Previously, when you create a Calibration Event record using a Functional Test template, with the Response Type as Selection in the template detail record, an error occurred. This issue has been resolved.	DE129885
Previously, when you created a Functional Test template, the users associated with the sites other than your default site could not access the records in the Details section of the template. This issue has been resolved.	DE127061
Previously, while creating a Calibration Event, if the mandatory fields were blank, an error occurred. This issue has been resolved.	DE124768
Previously, when you performed a manual square-root calibration, the RMS Error was incorrectly calculated because the Input Measure AF and Input Measure AL values were not square-rooted. This issue has been resolved.	DE121916
Previously, when you tried to run the Device Mapping Upgrade Utility with duplicate Device Mapping records present in the database, an error occurred. This issue has been resolved.	DE116215

Catalog

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, when you attempted to create or modify a Catalog Item, the Name and Caption fields in the Save As window could contain a maximum of 100 characters. Now, the field size has been increased to 255 characters.	DE50672
Previously, in the Catalog Item Properties window for a Catalog item, when you modified a value, the updated value did not appear for the corresponding tool. This issue has been resolved.	DE50673

Compliance Management

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

Table 160: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
Previously, you could search records from all the Compliance Management families in the Global Search. Now, all families from Compliance Management have been excluded from Global Search, except for the following families: <ul style="list-style-type: none">• Compliance Policy Mapping• Compliance Recommendation• Compliance Recommendation Mapping• Compliance Strategy• Compliance Strategy Template• Inspection Plan However, you can configure a family to be included or excluded from Global Search using the Search Configuration.	US384419

Table 161: Resolved Issues

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

Description	Tracking ID
<p>Previously, in the Inspection Plan page, if the RBI Recommendations were in a Proposed state and did not have a baseline state ID, the following buttons were not enabled or disabled correctly:</p> <ul style="list-style-type: none"> • Supersede  • Not Required  • Delete  <p>This issue has been resolved.</p>	DE119883

Table 162: Obsolete Features

The following features are no longer available.

Description	Tracking ID
The relationship family Compliance Template Has Mapping has been deprecated.	DE129072

Data Loaders

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, when running data loaders for non-English users, for example German users, numeric values for that culture were not being formatted correctly. This issue has been resolved.	DE127333
Previously, when you canceled a data loader job that was in progress, the job was intermittently locked and prevented other data loader jobs from running. This issue has been resolved.	DE121444
Previously, if a relationship was created between two families using a Foreign Key, and you attempted to import records into the families using the APM Family data loader, an error occurred. This issue has been resolved.	DE118025

Datasets

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, when creating a dataset using a Microsoft Excel file, if you selected the Import specific range values check box in the Choose Worksheet section, the default value, zero, did not appear in the Start and End boxes. This issue has been resolved.	DE50653

Documentation

This topic provides a list of documentation changes released in this version.

Table 165: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>GE Digital APM documentation is now available at https://www.ge.com/digital/documentation/apm-classic/ instead of https://www.meridium.com/secure/documentation/WebHelp/Home.htm or https://apps-docs.predix.io/en-US/apm_classic.</p> <p>The new portal offers:</p> <ul style="list-style-type: none"> • A single point of access for documentation related to all GE Digital products through https://www.ge.com/digital/product-documentation. • A comprehensive list of documentation for various products, categorized in three sections: <ul style="list-style-type: none"> ◦ Predix Platforms ◦ APM and OPM ◦ Manufacturing and Digital Plant • A new layout and structure of the home page to ensure streamlined presentation of the content. <ul style="list-style-type: none"> ◦ V4 section with links to access the following items: <ul style="list-style-type: none"> ◦ Latest version of help. ◦ Latest version of release notes. ◦ Help and release notes for previous versions through https://www.ge.com/digital/documentation/apm-classic/r_apm_classic_release_notes_V4.html. ◦ V3 section with links to access the following items: <ul style="list-style-type: none"> ◦ Latest version of help. ◦ Latest version of release notes. ◦ Help and release notes for previous versions through https://www.ge.com/digital/documentation/apm-classic/r_apm_classic_release_notes_V3.html and https://www.ge.com/digital/documentation/apm-classic/r_apm_classic_release_notes_V360.html. 	<p>US385911</p>

eLog

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

Table 166: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>To improve performance, the eLog Overview page is no longer updated automatically when you return to the previously opened tab. You can now select Refresh () to update the page.</p>	<p>US380127</p>

European Inspection Management

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

Table 167: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>New content is added to Compliance Management to support the European Inspection requirements.</p> <p>European Inspection Management provides a solution to categorize the inspection activities according to government regulation, based on the pressure, volume, and fluid characteristics. According to this categorization, the Compliance Management module of GE Digital APM can recommend applicable inspection task types along with a recommended interval based on each asset type. It also helps you to identify the certification requirements of Inspectors, such as ZÜS (Approved Inspection Body) or bP (Qualified Person), based on the criticality of the asset.</p> <p>This functionality is fully integrated with the Compliance Management module and the Inspection Management module.</p>	F39687

Failure Modes and Effects Analysis (FMEA)

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

Table 168: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>To improve performance, the Failure Modes and Effects Analysis Overview page is no longer updated automatically when you return to the previously opened tab. You can now select Refresh  to update the page.</p>	US379897
<p>You can now export FMEA analyses, FMEA analysis templates, and asset templates to Excel workbooks. To facilitate this enhancement, the following changes have been made:</p> <ul style="list-style-type: none"> The Export button  has been added to the Analyses and Templates sections of the FMEA Overview page. The Export option has been added to the Analysis Details and Template Details workspaces. 	US352432
<p>Performance when loading the counts on the tabs in the FMEA Overview page has been improved.</p>	US343623
<p>The performance when promoting an FMEA template to an ASM Template has been improved.</p>	US298396

Table 169: Resolved Issues

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

Description	Tracking ID
Previously, in the Risk Summary window, the risk assessment record was saved even if you selected the Cancel button. This issue has been resolved.	DE126496
Previously, when you attempted to import large analyses using the Failure Modes and Effects Analysis (FMEA) data loader, the operation exceeded the timeout period, causing the import process to fail. This issue has been resolved.	DE120356
Previously, when you created a Failure mode for an FMEA analysis, duplicate HTTP GET requests were created, thereby affecting performance. This issue has been resolved.	DE117612
Previously, when you created an FMEA analysis, duplicate HTTP GET requests were created, thereby affecting performance. This issue has been resolved.	DE117611
Previously, while loading FMEA analyses through data loader, an error message appeared. This issue has been resolved.	DE116618
Previously, while creating an analysis, when you imported data using the Failure Modes and Effects Analysis (FMEA) Data Loader with the same name as the FMEA Analysis Template, the FMEA Analysis Template was unexpectedly updated. This issue has been resolved.	DE89674
Previously, you could promote FMEA analyses to ASM regardless of the state. Now, you can promote only analyses which are in the approved state. In addition, analyses in the approved state will not be editable.	US382363

Family Management

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

Table 170: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>The record IDs are no longer stored in the ENTY_ID field in the database. Now, record IDs are virtual, and are calculated at runtime based on the ID template.</p> <p>The following changes have been made:</p> <ul style="list-style-type: none"> Any format rules that are defined are not applied, and the results display values exactly as they exist in the database. The date and numeric values are formatted based on the configuration of the server. <p>Note: The time values are displayed in Universal Coordinated Time (UTC) format.</p>	US359355

Table 171: Resolved Issues

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

Description	Tracking ID
Previously, when you created a Foreign Key relationship definition between two families, you could not create additional relationship definitions with a different cardinality. This issue has been resolved.	DE120671

Family Policies

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

Table 172: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now view the end time for policy executions in the Execution History pane of the Design workspace.	US383244
You can now access the query specified in a Query node or the R script specified in an R Script node directly from the node. To facilitate this enhancement, the Open in New Window button  has been added to the Properties window of these nodes.	US374240
You can now configure different policy execution history retention duration settings for executions that result in Errors, Warnings (Action Taken), Warnings (No Action Taken), Success (Action Taken), or Success (No Action Taken). When the GE Digital APM database is upgraded, if an overall policy execution history retention duration setting was previously configured, this setting will be applied for all execution results.	US330806
To improve the performance of the Query node, the result set of the node is now restricted to the first 10,000 rows of the query result.	DE117522

Table 173: Resolved Issues

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

Description	Tracking ID
Previously, when the job configured to delete old policy execution history records from the GE Digital APM database ran, the following issues intermittently occurred: <ul style="list-style-type: none"> The job timed out. The job locked the policy execution history table of the database due to which policies were not executed. <p>These issues have been resolved. Now, each time the job runs, it deletes as many records as possible and may run multiple times to delete all old policy execution history records.</p>	US374943
Previously, in APM V4.3.1.x, when you modified a family policy containing multiple Create Event nodes configured to use the same Event name, the policy model was corrupted, and the policy did not execute as expected. This issue has been resolved. Note: Family policies that were corrupted continue to execute incorrectly. For assistance to correct affected policies, contact GE Digital Support.	DE131111
Previously, in the Math node, an error occurred when you modified an equation containing an indexed variable name conflicting with an input variable name. This issue has been resolved.	DE125923
Previously, if the policy model contained a node that must not be executed if its output is not used by any successor node, and if you mapped the output of such a node to only a Case node, the node was not executed. This issue has been resolved.	DE120494

Description	Tracking ID
Previously, if the execution or validation of an Email node in a sub policy resulted in an error, no execution details were displayed for the node, and the policy execution history did not indicate that an error had occurred. This issue has been resolved.	DE117263
Previously, if you added a field to a family, and then added the same field to a query that is represented by a Query node, the execution of the Query node failed. This issue has been resolved.	DE115326
Previously, if you used an Edit, Create, or Delete Entity, Create or Delete Relationship node in a sub policy, the execution history details did not include the node's results, and the policy-level execution history may not have indicated that an error or warning occurred. This issue has been resolved.	DE114017

Table 174: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
In order to improve the performance of the policy execution service, the Math node execution time out is not enforced. Policy executions that run for an extended time due the Math node will be canceled by the policy execution time out feature.	DE131899

General Dashboards

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

Table 175: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now filter the results in a Query widget in a dashboard.	US369440
To improve the performance of GE Digital APM, the data of the dashboard is no longer refreshed automatically when you select  . You can now manually refresh the data of the dashboard. To facilitate this enhancement, a new button, Refresh () , has been added to the dashboard.	US350211

Hazards Analysis

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

Table 176: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now remove the assets that are specified in the Functional Location ID and Equipment ID fields of a Hazards Analysis Cause or Hazards Analysis Safeguard datasheet. To facilitate this enhancement, the Remove button (✕) has been enabled in the Asset Finder window that appears for the Functional Location ID and Equipment ID fields in the datasheet for the Cause or Safeguard.	US372072

Table 177: Resolved Issues

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

Description	Tracking ID
Previously, if you accessed an unmitigated risk matrix for a Consequence associated with a hazards analysis, and then selected Save or Cancel without modifying any value in the Unmitigated Risk Assessment window, the values in the Mitigated Risk fields of the Hazards Worksheet section disappeared. This issue has been resolved.	DE120203

Table 178: Obsolete Features

The following features are no longer available.

Description	Tracking ID
The following fields have been removed from the Risk Assessment Recommendation datasheet because you cannot create an SAP notification for a Risk Assessment Recommendation: <ul style="list-style-type: none"> • Create SAP Notification • Work Request Reference • Work Request Equipment • Work Request Functional Location 	DE116587

Inspection Field Data Collection

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

Table 179: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>The Inspection Field Data Collection module has new enhancements in this release and enables you to perform the following actions:</p> <ul style="list-style-type: none"> • You can download an Inspection report from Inspection Field Data Collection Overview, under the new tab My Open Inspections. • You can track the life cycle of a mobile inspection and find out if an inspection is currently downloaded, the last inspector who downloaded an inspection, and the last inspector who synced the inspection to APM. • You can now remove a downloaded inspection from your mobile device. • An Inspection Administrator can re-enable inspection reports that are currently downloaded to a device. Re-enabling an Inspection report allows the Inspection report to be downloaded by another inspector. • An Inspection Administrator has an option to disable the Inspection Recommendation workflow from Inspection Field Data Collection. 	F45130

Inspection Management

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

Table 180: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>The relationship family Has NR13 Technical Data defines a relationship between a Functional Location or Equipment and Asset Technical Data as part of a European requirement in Inspection Management. To facilitate this change, the family caption of the relationship family is now updated to Has Technical Data.</p>	US399166

Table 181: Resolved Issues

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

Description	Tracking ID
<p>Previously, the Inspection Management Overview page was filtered based on the Asset Hierarchy context even if you had provided the unit key in the Uniform Resource Locator (URL). This issue has been resolved. Now, the Inspection Management Overview page is filtered based on the unit key that you provide.</p>	US376475
<p>Previously, in APM Now, the users set up in LDAP were unable to manage Inspection Plans. This issue occurred because the Security Role IDs were changed to make them unique across multiple tenants. This issue has been resolved.</p> <p>You can now add the users to the following Security Groups that have been created with the same privileges of the corresponding Security Roles to enable them to manage Inspection Plans:</p> <ul style="list-style-type: none"> • MI Compliance Administrator • MI Compliance Analyst • MI Inspection Plan Approver <p>For more information on how to assign the Security Groups to the users, follow the steps in https://digitalsupport.ge.com/communities/en_US/Article/V4-3-1-0-1-Compliance-Management-and-Risk-Based-Inspection-How-to-configure-Inspection-Plans-to-be-managed-by-users-with-a-Security-Groups.</p>	DE120718
<p>Previously, in the Inspection Management Overview page, the master detail sheet associated with an Inspection family did not appear when the following conditions were met:</p> <ul style="list-style-type: none"> • You configured a family in the Event Configurations section in the Inspection Configuration page so that the family appeared in the module navigation menu. • You configured the master detail sheet for the related family. <p>This issue has been resolved.</p>	DE120155
<p>Previously, when accessing an Inspection that contained exactly 25 General Finding related records, if you scrolled through the General Findings in the left pane, the system performed an infinite scroll. This issue has been resolved.</p>	DE119768
<p>Previously, the Inspection Confidence value was incorrectly populated on an Inspection Confidence Evaluation record, if you selected Ultrasonic Shear Wave Testing in the Type of Inspection field, and selected one of the following values in the Extent field:</p> <ul style="list-style-type: none"> • UT shear wave 10% of all potential locations • UT shear wave 25% of all potential locations • UT shear wave 50% of all potential locations • UT shear wave 100% of all potential locations <p>This issue has been resolved.</p>	DE119766
<p>Previously, in the Manage Inspection Profiles page, in the Sequence Definition window, the values in the Item Category column were not properly localized. This issue has been resolved.</p>	DE94113
<p>Previously, in the Family Management page, Inspection Taxonomy Configuration family did not have any defined ID Templates associated with it. This issue has been resolved.</p>	DE91702

Table 182: Obsolete Features

The following features are no longer available.

Description	Tracking ID
Time-Based Inspection (TBI) Settings functionality has been removed from Inspection Management due to low adoption. This functionality has been replaced by Compliance Management.	US376040

Manage Translation

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

Table 183: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
When you modify any metadata string in GE Digital APM, the metadata string is updated for the first time. However, if you modify the same metadata string again, it is not updated because the associated metadata cache is not updated.	DE132259

Management of Change

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, if you did not have the license for Hazard Analysis, SIS Management, or any related module, you could not add or view the changed elements in the Changed Elements workspace of a Change Project. This issue has been resolved.	DE131618

Maps

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

Table 185: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
To improve performance, the Map page is no longer updated automatically when you return to the previously opened tab. You must now select the Refresh icon () to update the page.	US378221

OT Connect

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

Table 186: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>Process Data Integration (PDI) has been functionally replaced by OT Connect. OT Connect allows you to connect to and synchronize Tag metadata from an OPC-compliant historian. This also allows you to enable Tag subscriptions to view, analyze, and act on process data. OT Connect uses new entities and relationships that are unique to this feature. When GE Digital APM is upgraded to V4.4.0.0.0, existing data in OPC families will be upgraded to reference the new structure, and the families that were associated with PDI will become obsolete.</p> <p>Note:</p> <ul style="list-style-type: none"> OT Connect Process Data Server has replaced the PDI Server. The OT Connect Process Data Server contains the Adapter Service and the OPC Server. DCOM configuration is not supported with OT Connect. OT Source records have replaced OPC System records. Source Tag records have replaced OPC Tag records. Source Tags are representations of the asset in the historian and are not modified by GE Digital APM. Content Map is a new Entity family that has been added with OT Connect. The Content Map record is used to associate Source Tags with Equipment or Functional Locations to the intended Content (Policy or Health Indicator) Equipment and Functional Location tags are now related to Content Map records, and are not directly related to the tags. Stored OPC Readings are no longer supported. Data is queried and subscribed to by GE Digital APM workflows, such as, Health Indicators and Policy. 	F50865

Policy Designer

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

Table 187: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>To improve performance, the Policy Designer Overview page is no longer updated automatically when you return to the previously opened tab. You can now select Refresh () to update the page.</p>	US396407
<p>Configuration settings for the Policy Trigger and Policy Execution Services have been modified:</p> <ul style="list-style-type: none"> The location of the Policy Trigger and Policy Execution Service configuration files has been modified. You no longer need to configure the execution service user. Other obsolete settings have been removed from the configuration files. <p>Note: For more information, refer to the Policy Designer deployment documentation.</p>	<ul style="list-style-type: none"> US388238 US386674

Description	Tracking ID
<p>The OPC Tag node has been replaced by the OT Connect Tag node. The OT Connect Tag node retrieves readings from your process historian using the OT Connect service. When GE Digital APM is upgraded to V4.4.0.0.0, existing Policies using the OPC Tag node will be upgraded to use the OT Connect Tag node and Policy Instances for these policies will be upgraded to reference new OT Connect records created during the upgrade process.</p> <p>New features of the OT Connect Tag node:</p> <ul style="list-style-type: none"> You can specify whether the historian tag must provide historical readings. You can specify limit values independently for each policy instance that uses the same tag. <p>Note:</p> <ul style="list-style-type: none"> When an upgraded policy record is opened in APM V4.4.0.0.0, the policy model will reference the new OT Connect Tag node in place of any OPC Tag node. Pre-existing policies that use output fields from the OPC Tag node and have no equivalent in the new OT Connect Tag node will no longer work as expected. These Policies must be redesigned. Policies using the OPC Tag family in an Entity node, and Policy Instances using OPC Tag records in Point Value nodes will not be upgraded automatically. Contact GE Digital Support for advice on reconfiguring these Policies and Policy Instances. Policies using OPC Tag nodes exported from older versions of APM cannot be imported into APM V4.4.0.0.0. Policies using OT Connect Tag nodes exported from APM V4.4.0.0.0 cannot be imported into older versions. Contact GE Digital Support for assistance. Policy Instance data loader worksheets for policies using OPC Tag nodes exported from a prior version of APM cannot be used to create new Policy Instances in V4.4.0.0.0 because they reference input records that are no longer in use. 	<ul style="list-style-type: none"> F49152 F50787
<p>The Policy Trigger and Policy Execution Services have been modified to use ActiveMQ queues instead of MSMQ queues.</p>	<ul style="list-style-type: none"> US384791 US361628
<p>You can now view the end time for policy executions in the Execution History pane of the Design workspace.</p>	<p>US383244</p>
<p>You can now access the query specified in a Query node or the R script specified in an R Script node directly from the node. To facilitate this enhancement, the Open in New Window button  has been added to the Properties window of these nodes.</p>	<p>US374240</p>
<p>You can now configure different policy execution history retention duration settings for executions which result in Errors, Warnings (Action Taken), Warnings (No Action Taken), Success (Action Taken), or Success (No Action Taken).</p> <p>When the GE Digital APM database is upgraded, if an overall policy execution history retention duration setting was previously configured, this setting will be applied for all execution results.</p>	<p>US330806</p>
<p>To improve the performance of the Query node, the result set of the node is now restricted to the first 10,000 rows of the query result.</p>	<p>DE117522</p>

Table 188: Resolved Issues

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

Description	Tracking ID
<p>Previously, when the job configured to delete old policy execution history records from the GE Digital APM database ran, the following issues intermittently occurred:</p> <ul style="list-style-type: none"> • The job timed out. • The job locked the policy execution history table of the database due to which policies were not executed. <p>These issues have been resolved. Now, each time the job runs, it deletes as many records as possible and may run multiple times to delete all old policy execution history records.</p>	US374943
<p>In APM V4.3.1.x, when you modified a policy containing multiple Create Event and/or Close Event nodes configured to use the same Event name, the policy model was corrupted, and the policy did not execute as expected. This issue has been resolved.</p> <p>Note: Policies that were corrupted continue to execute incorrectly. For assistance to correct affected policies, contact GE Digital Support.</p>	DE131111
<p>Previously, when a super user searched for a record to assign to a Policy Instance, the results in the Search window included only the records for Sites to which the super user was explicitly assigned. This issue has been resolved.</p>	DE129861
<p>Previously, on the Policy Designer Overview page, the Overdue Recommendations list did not display the correct State Assignee user. This issue has been resolved.</p> <p>Note: To facilitate this change, the query used by the Overdue Policy Recommendations list has been updated. If you have previously customized this query, copy the new query from the baseline folder to the public folder and apply the customizations again.</p>	DE128404
<p>Previously, on the Policy Designer Overview page, the tiles did not display any results, and the My Policy Recommendations list did not display any results for users other than super users. This issue has been resolved.</p>	DE126120
<p>Previously, in the Math node, an error occurred when you modified an equation containing an indexed variable name conflicting with an input variable name. This issue has been resolved.</p>	DE125923
<p>Previously, if you added a new family, or added a field to an existing family, and then used the family or field in an Entity, Create Entity, Edit Entity, Create Relationship, or Delete Relationship node, an error indicating that the node was inactive occurred during execution of the policy. This issue has been resolved.</p>	DE122975
<p>Previously, if the policy model contained a node that must not be executed if its output is not used by any successor node, and if you mapped the output of such a node to only a Case node, the node was not executed. This issue has been resolved.</p>	DE120494
<p>Previously, if you assigned multiple users to a policy, the number of instances associated with the policy appeared incorrectly in the Policies section of the Policy Designer Overview page. This issue has been resolved.</p>	DE119853
<p>Previously, if the execution or validation of an Email node in a sub policy resulted in an error, no execution details were displayed for the node, and the policy execution history did not indicate that an error had occurred. This issue has been resolved.</p>	DE117263

Description	Tracking ID
Previously, if you added a field to a family, and then added the same field to a query that is represented by a Query node, the execution of the Query node failed. This issue has been resolved.	DE115326
Previously, if you used an Edit, Create, or Delete Entity, Create or Delete Relationship node in a sub policy, the execution history details did not include the results for the node, and the policy-level execution history may not have indicated that an error or warning occurred. This issue has been resolved.	DE114017

Table 189: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
While using Internet Explorer 11 browser, when you attempt to open a Policy with a large number of instances it might fail. Note: GE Digital recommends you to use Chrome or Edge browser. If you are unable to access GE Digital APM using Chrome or Edge browser, make additional copies of the Policy and divide the required instances between them.	US412940
In order to improve the performance of the policy execution service, the Math node execution time out is not enforced. Policy executions that run for an extended time due the Math node will be canceled by the policy execution time out feature.	DE131899
In a policy, where an OT Connect Tag node is followed by a Collection Filter, and the Collection Filter compares the timestamps in the reading collection with a date value mapped from the output of a Sub Policy node, an error occurs in policy validation or execution. Date values mapped into a Collection Filter node following an OT Connect Tag node must be evaluated in the calling policy.	DE129690

Production Loss Analysis (PLA)

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

Table 190: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now reconcile the production loss for multiple production data at a time. To facilitate this enhancement, a new button, Bulk Data Entries , has been added to the PLA Overview page.	US388394
To improve performance, the Production Loss Analysis overview page is no longer updated automatically when you return to the previously opened tab. You can now select Refresh  to update the page.	US380127

Table 191: Resolved Issues

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

Description	Tracking ID
Previously, if you imported the Standard Batch Cycle Time and Standard Batch Size for a Production Profile using the Production Loss Analysis (PLA) 1-Admin Data Loader, the Maximum Sustained Capacity Rate (MSCR) and Maximum Sustained Hourly Rate (MSHR) values were not updated. This issue has been resolved.	DE126436
Previously, in Production Loss Analysis, with the Maximum Sustained Hourly Rate (MSHR) set to be calculated automatically, the calculation was based on the Maximum Demonstrated Rate. When the batch cycle time was less than or greater than a day, it displayed incorrect values. This issue has been resolved. Now, the MSHR auto-calculation is based on the Maximum Sustained Hourly Rate and the batch cycle time is displayed correctly.	DE122813
Previously, using the Production Event data loader, you could not update the production event code under the related families. This issue has been resolved.	DE122393
Previously, in the Production Profile datasheet, the value in the Planning Rate box appeared without a description due to which you could not interpret the data. This issue has been resolved. Now, the value in the Planning Rate box appears with the full description of the selected units in the Standard Batch Size and Standard Batch Cycle Time boxes (for example, 12345 Barrels/ 0.25 Day).	DE121266
Previously, in the Production Profile datasheet, in the Max Demonstrated Rate box, you could not enter a value that was less than that in the Standard Batch Size box. This issue has been resolved.	DE121266
Previously, when modifying a Plan Template or creating a Production Plan using a Plan Template, if you modified the Plan Start Time, the Plan End Time was not automatically updated based on the duration specified in the template. This issue has been resolved.	DE120291
Previously, in a Production Event record, you could not remove the Production Event Code associated with the Production Event. This issue has been resolved.	DE117125

Queries

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
In the Results workspace, the wordwrap feature has been added to the columns containing text values. In addition, you can now perform the following actions: <ul style="list-style-type: none"> Sort values in one or more columns in ascending or descending order. Group the results according to the values in one or more columns. 	US396364

Table 193: Resolved Issues

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

Description	Tracking ID
Previously, certain queries that contained parameter prompts and referenced other queries would unnecessarily recompute parameter values. This issue has been resolved. Now, parameter values are only recomputed when needed.	DE127230
Previously, when you attempted to select a query prompt value in the prompt filter, the prompt values intermittently took longer than expected to appear and there was no indication that the operation of loading the values was in progress. This issue has been resolved. Now, a spinner appears while the values are being loaded.	DE127229
Previously, the queries with a column comparison to a date constant that did not contain a time returned partial results, or no records were returned. This issue has been resolved.	DE125046
Previously, in GE Digital APM while saving the Catalog items, you could use a forward slash / and a back slash \ in the Catalog item name. This issue has been resolved. Now, you cannot use them (/ and \) while saving a Catalog item.	DE122149
Previously, the exported queries displayed dates in the Coordinated Universal Time (UTC). This issue has been resolved. Now, the exported queries display dates in the time zone specified for your GE Digital APM user account.	DE119140
Previously, an error occurred when executing a saved append query, which is referenced to another query as a source. This issue has been resolved. Now, the query runs as expected.	DE118487
Previously, if you were assigned to the MI Power User Role Security Group or MI Foundation Power Security Role, you could not create the following types of queries: <ul style="list-style-type: none"> • Update query • Delete query • Append query This issue has been resolved.	DE112398

Record Manager

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

Table 194: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now perform the following actions on a Recommended Action: <ul style="list-style-type: none"> • Add a reference document. • Access a reference document that is already associated with the record. To facilitate these enhancements, the Reference Documents option has been added to the More Options () menu.	DE121710

Table 195: Resolved Issues

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

Description	Tracking ID
Previously, when you entered a value that contained an HTML tag in any field of a datasheet, no error message appeared even though the value was invalid. This issue has been resolved. Now, in this scenario, an error message appears and you cannot save the record.	DE123809

Reliability Analytics

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, in some reliability modules, the charts in a report did not contain legends. This issue has been resolved.	US384858
Previously, as a Reliability User in Reliability Analytics, you could not reload data from the chart pages for Analyses based on a query or dataset. This issue has been resolved.	DE130909
Previously, in a Reliability Distribution Analysis or Reliability Growth Analysis, in the Analysis Period window, when you modified the values in the Start Date and End Date boxes, and then accessed the Analysis Period window, the start and end date values were modified according to another time zone. This issue has been resolved.	DE129711
Previously, if your language setting in GE Digital APM was not English, the options in the Frequency of Alert after due date list of an RCA Verification contained unknown values. This issue has been resolved. Now, the list contains the translated values based on your language setting.	DE128988
Previously, in System Reliability, you could not run a simulation for a System Analysis with frequent failures in risks or with a value in the Last Failure field. An error message appeared, stating that the p parameter must contain a value between zero and one. This issue has been resolved.	DE128031
Previously, if your culture was set to Russian, when creating an analysis, you could not assign an asset to the analysis in the <Analysis Type> Data Editor window. This issue has been resolved.	DE128027
Previously, when creating a Reliability Distribution Analysis from a query containing parameters, an error message appeared when opening an analysis chart. This issue has been resolved.	DE125965
Previously, when creating a Reliability Analysis from a Query, if a parameter (for example; start date) had no ID, an error occurred. This issue has been resolved.	DE123880
Previously, in APM Now, in System Reliability Analysis, under certain conditions, when you selected a subsystem from a System Scenario Diagram, an error message appeared, and the page failed to load. This issue has been resolved.	DE123157
Previously, when an SAP notification was created for a Reliability Recommendation, the Work Request Reference field was not automatically populated with the corresponding value in the notification. This issue has been resolved.	DE121857

Description	Tracking ID
Previously, when using Internet Explorer, if you attempted to access the diagram for a System Scenario associated with a System Reliability Analysis, the diagram intermittently took longer than expected to appear and there was no indication that the operation of loading the diagram was in progress. This issue has been resolved. Now, a spinner appears while the diagram is being loaded.	DE121668
Previously, in a Reliability Recommendation record, if you selected the Create Work Request check box, and then saved the record, the SAP Notification that was created did not contain the Equipment and Functional Location values associated with the record. This issue has been resolved.	DE119938

Reliability Centered Maintenance (RCM)

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
To improve performance, the Reliability Centered Maintenance Overview page is no longer updated automatically when you return to the previously opened tab. You can now select Refresh () to update the page.	US379897
You can now import or export the RCM analysis templates. To facilitate this enhancement, the following changes have been made: <ul style="list-style-type: none"> For importing the templates, a new data loader, RCM Analysis Template, has been added to the Download Templates window of the Data Loaders page. For importing the templates to an Excel workbook: <ul style="list-style-type: none"> A new icon, More Options () , has been added to the <Template ID> workspace of the Template Details page. A new icon, Export () , has been added to the Templates section of the Reliability Centered Maintenance overview page. 	US376411
You can now export RCM analyses to an Excel workbook. To facilitate this enhancement, the following changes have been made: <ul style="list-style-type: none"> The Export button () has been added to the Analyses section of the RCM Overview page. The Export option has been added to the Analysis Details workspace. 	US352432
The performance when loading the counts on the tabs in the RCM Overview page has been improved.	US343623
The performance when promoting an RCM template to an ASM Template has been improved.	US298396

Table 198: Resolved Issues

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

Description	Tracking ID
Previously, after applying a template to an RCM analysis, if you navigated away from the <Analysis Name> page, and then attempted to access the data in the <Analysis Name> page, an error message appeared. This issue has been resolved.	DE127626
Previously, in the Risk Summary window, the risk assessment record was saved even if you selected the Cancel button. This issue has been resolved.	DE126496
Previously, when you attempted to import large analyses using the Reliability Centered Maintenance (RCM) data loader, the operation exceeded the timeout period, causing the import process to fail. This issue has been resolved.	DE120356
Previously, when you consolidated the Recommendations that were created using the Reliability Centered Maintenance (RCM) data loader, the recommendation ID was not generated. This issue has been resolved.	DE119947
Previously, while loading RCM analyses through data loader, an error message appeared. This issue has been resolved.	DE116618
Previously, while creating an analysis, when you imported data using the Reliability Centered Maintenance (RCM) data loader with the same name as the RCM Analysis Template, the RCM Analysis Template was unexpectedly updated. This issue has been resolved.	DE89674
Previously, you could promote RCM analyses to ASM regardless of the state. This issue has been resolved. Now, you can promote only analyses that are in the approved state. In addition, you cannot modify the analyses that are in the approved state.	US382363

Results Grid

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

Table 199: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
A new indicator has been added to the Results Grid that displays the number of columns to which filters are applied.	US399967

Risk Based Inspection

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

RBI 580 and 581

Table 200: Resolved Issues

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

Description	Tracking ID
Previously, on the Risk Based Overview page, in the Assets section, when you selected Finalize Risk button, the PRD analyses did not appear. This issue has been resolved.	US399824
Previously, if you updated any of the Global Preferences in the RBI Admin Preferences page, the RBI Overview Table Preference was cleared and the selected columns were no longer displayed for RBI 580 or RBI 581. This issue has been resolved. Now, editing Global Preferences will not affect a previously saved RBI Overview Table Preference.	DE127917
Previously, in RBI Corrosion Loop datasheet and RBI System datasheet, the Created By and Last Updated By fields were not populated. This issue has been resolved.	DE121950
Previously, in the Degradation Mechanisms section, the horizontal scroll bar overlapped with the last row of the grid. This issue has been resolved. Now, the scroll bar appears at the bottom of the section.	DE119942
<p>Previously, in the Inspection Plan page, if the RBI Recommendations were in a Proposed state and did not have a baseline state ID, the following buttons were not enabled or disabled correctly:</p> <ul style="list-style-type: none"> • Supersede  • Not Required  • Delete  <p>This issue has been resolved.</p>	DE119883
Previously, when generating recommendations in Risk Based Inspection (RBI), if the Name of a policy used for strategy mapping was longer than 50 characters, an error occurred. This error was due to the length of the Policy Name field in RBI Strategy Mapping Configuration family being configured to less than the length of the Name field in the Policy family. This issue has been resolved. Now, the length of the Policy Name field in RBI Strategy Mapping Configuration family and the Name field in Policy Family are the same.	DE116375

RBI 580

Table 201: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>You can now calculate the RBI PRD Criticality Analyses in bulk from the Assets section of the following pages:</p> <ul style="list-style-type: none"> • Risk Based Inspection Overview • Unit Summary • Corrosion Loop 	US398540
<p>Previously, all families were included in the global search. Now all families from Risk Based Inspection (RBI) 580 have been excluded from the global search except the following:</p> <ul style="list-style-type: none"> • Equipment Types • Representative Fluids • Piping Stress • PV Stress • Tank Stress • Potential Degradation Mechanisms • All Analysis families • All Component families <p>Note: You can use search configuration to enable or disable Global Search for families.</p>	<ul style="list-style-type: none"> • US395686 • US394684

Table 202: Resolved Issues

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

Description	Tracking ID
<p>Previously, if both the Risk Based Inspection (RBI) and RBI 581 licenses were not applied in the Risk Based Inspection module, when using the Upgrade Analyses utility from the RBI Admin Preferences page, an error occurred. This issue has been resolved.</p>	DE123165
<p>Previously, if an RBI Criticality Analysis contained a Chloride Stress Corrosion Cracking (CI SCC) or Hydrogen Stress Cracking (HSC) - Hydrofluoric Acid Degradation Mechanism, the value in the output fields were incorrectly calculated. This issue has been resolved.</p>	DE121801
<p>Previously, when calculating an RBI Criticality Analysis, the value in the Estimated Half Life field in the Criticality Ext. Corr. Deg. Mech. Eval. family was set incorrectly if you had defined UOM conversion set for any field used for the calculation of estimated half-life. This issue has been resolved.</p>	DE119596
<p>Previously, if your culture setting had a culture other than English, and you linked a Degradation Mechanism to an RBI Criticality Analysis, the values contained in the following boxes of the Degradation Mechanism record were not translated to the language based on your culture setting:</p> <ul style="list-style-type: none"> • Deg Mech Comments • Degradation Mechanism Description <p>This issue has been resolved. Additionally, the Deg Mech Comments box now does not contain any value by default.</p>	DE93275
<p>Previously, when generating recommendation on an RBI Criticality Analysis linked to a Wet H2S (Blistering, SOHIC, HIC, SSC) Degradation Mechanism, the Appendix _G policy was not executed. This issue has been resolved.</p>	DE82211

RBI 581

Table 203: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>Previously, all families were included in the global search. Now all families from Risk Based Inspection (RBI) 581 have been excluded from the global search except the following:</p> <ul style="list-style-type: none"> • Equipment Types • Representative Fluids • Piping Stress • PV Stress • Tank Stress • Potential Degradation Mechanisms • All Analysis families • All Component families <p>Note: You can use search configuration to enable or disable Global Search for families.</p>	US395686
<p>The Non-Flammable Non-Toxic (NFNT) Consequence Area calculations for caustic and acid fluids have been modified to adhere to the API-581 3rd Edition, Addendum 1.</p>	US384625

Table 204: Resolved Issues

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

Description	Tracking ID
<p>Previously, when calculating the mitigated risk on the plan date for External Cracking Degradation Mechanism Evaluation on an RBI 581 Risk Analysis, the age calculation did not consider the Target Inspection Date. As a result, the Total Damage Factor With Plan (RBI Degradation Mechanisms) displayed incorrect values for the following damage mechanisms:</p> <ul style="list-style-type: none"> • 581-Austenitic Component Atmospheric Cracking • 581-Austenitic Component Cracking Under Insulation <p>This issue has been resolved.</p>	DE128159
<p>Previously, when the value in the Liner is Present field was set to Yes (Y), and Degradation Mechanism Evaluation (DME) was not 581-Internal Component Lining Damage, the Online Monitoring Adjustment field in RBI 581 Thinning and Lining Damage Mechanism Evaluation record was incorrectly calculated. This affected the value in the Final Damage Factor field. This issue has been resolved.</p>	DE125927
<p>Previously, when the Allow Override of Total Financial Consequence field was set to true on RBI 581 Consequence Evaluation records, the User Total Financial Consequence field was incorrectly excluded for the calculation of financial risks on the related RBI Degradation Mechanisms (DMs) records. The User Total Financial Consequence field was also excluded from RBI 581 ISO-Risk Plot. This issue has been resolved.</p>	DE123065
<p>Previously, when you calculated an RBI 581 Risk Analysis on a Storage Tank component that contained a toxic mixture, the calculation failed. This issue has been resolved.</p>	DE121404

Description	Tracking ID
<p>Previously, when the UOM conversion set was assigned to you, while calculating an RBI 581 Risk Analysis, the Risk Category field was calculated incorrectly. In addition, the output fields were calculated incorrectly for any of the following conditions:</p> <ul style="list-style-type: none"> The component type was Storage Tank or Storage Tank Bottom. The analysis contained a Brittle Fracture damage mechanism evaluation. <p>This issue has been resolved.</p>	DE121778
<p>Previously, when you viewed the RBI 581 ISO-Risk Plot Preferences page on a low-resolution device, the RBI 581 ISO-Risk Plot Medium-High Category Limit field was not visible if the browser was zoomed to 100 percent. This issue has been resolved.</p>	DE118013
<p>Previously, if your culture setting had a culture other than English, and you linked a Degradation Mechanism to an RBI 581 Risk Analysis, the values contained in the following boxes of the Degradation Mechanism record were not translated to the language based on your culture setting:</p> <ul style="list-style-type: none"> Deg Mech Comments Degradation Mechanism Description <p>This issue has been resolved. Additionally, the Deg Mech Comments box now does not contain any value by default.</p>	DE93275

Risk Matrix

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

Table 205: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
<p>You can now export or import Risk Matrices. To facilitate this enhancement, the Export option has been added to the Risk Matrix Admin page. You can import Risk Matrices through the Risk Matrix data loader.</p>	US378546
<p>Risk management now supports having no Probabilities defined (that is, unrestricted Probabilities) for a financial category.</p>	US337727

Table 206: Resolved Issues

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

Description	Tracking ID
<p>Previously, you could create a Risk Matrix containing the same index for two different categories, due to which you could not perform risk assessment. This issue has been resolved. Now in this scenario, the index is always unique, and you cannot create a Risk Matrix containing duplicate indexes.</p>	DE112939

Root Cause Analysis

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, in the Cause Details section of the RCA Overview page, when you attempted to access an RCA Analysis record, the RCA Overview page appeared instead of the <Analysis Summary> workspace. This issue has been resolved. Now, when you select the RCA Analysis record, the <Analysis Summary> workspace for the record appears, displaying the logic tree of the RCA analysis.	US398535
Previously, in an RCA Logic Tree, even after specifying the hypothesis causes for Human, Physical, or Latent, when you returned to the design canvas, the red line was lost and reverted to black. This issue has been resolved.	DE130968
Previously, when logged in to RCA Module with view-only permission, you could rearrange nodes in the RCA Logic Tree and RCA Event Diagram and changes were saved to the RCA record when you exited the page. This issue has been resolved. Now, with view-only rights you cannot change the node position in the Event diagram and logic tree.	DE130838
Previously, users with view-only permission were able to add, assign, or unassign nodes from the Logic Tree Properties window. This issue has been resolved.	DE130339
Previously, when you attempted to access an RCA Analysis without an active PLA license, an error occurred. This issue has been resolved.	DE128152
Previously, in an RCA Analysis with state management enabled, you could create duplicate states in customer databases, which resulted in double images in the user interface. This issue has been resolved.	DE127245
Previously, when completing a verification and setting the completed field to Yes, the completed action was not retained after saving. This issue has been resolved.	DE127225
Previously, when creating an RCA from a template, if the assigned name was not unique, the analysis details were not saved, and you were forced to restart the process. This issue has been resolved.	DE126529
Previously, when saving an RCA Analysis from a template, the page would appear to freeze while the content was being saved to the analysis. This issue has been resolved. Now, a waiting wheel appears to inform the user that the analysis is being saved.	DE126447
Previously, when creating an Event timeline in an RCA Analysis, the Event Flag spanned out of the canvas area. This issue has been resolved.	DE123975
Previously, when you created a Tracking Item, the Start Date appeared twice in the <Track Items> workspace. This issue has been resolved.	DE123413
Previously, when an SAP notification was created for an RCA Recommendation, the Work Request Reference field was not automatically populated with the corresponding value in the notification. This issue has been resolved.	DE121855

Description	Tracking ID
Previously, if a team member associated with an RCA analysis no longer existed, and you attempted to create an RCA Recommendation for the analysis, the associated Cause drop-down list box was not automatically populated. This issue has been resolved.	DE121016
Previously, when you accessed the Reliability section for an asset from the Asset Hierarchy, in the Root Cause Analysis row, the counts of the analyses that were in the In Progress and Published states were incorrect. This issue occurred when some of the analyses were linked to assets from sites for which you did not have the necessary permissions. This issue has been resolved.	DE120439
Previously, in an RCA Recommendation record, if you selected the Create Work Request check box, and then saved the record, the SAP Notification that was created did not contain the Equipment and Functional Location values associated with the record. This issue has been resolved.	DE119937

Rounds Data Collection

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
The product has been modified to avoid losing individual reading while changing the filter settings for Mobile Rounds Data Collection. Now, you can manage better reading and upload workflow. Additionally, messaging and logging have been enhanced around the readings upload process.	US414479

Rounds Designer

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

Table 209: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
The GE Digital APM Rounds uses a System Code Table instead of the Unit of Measure conversion feature.	US382461

Table 210: Resolved Issues

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

Description	Tracking ID
Previously, the wizard for adding existing ML/LR was not showing all the available checkpoints and experienced performance issues. This issue has been resolved. Now, the product has been modified to ensure that the correct checkpoints are included in the wizard results. Additionally, the wizard has been improved to retrieve the results more efficiently.	DE128041

SAP and SAP PI

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

Table 211: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
The data loader framework in UDLP V2.8.0 is compatible with GE Digital APM.	US401928
APM Connect SAP and SAP PI adapters now support the SAP S/4Hana 1909.	US401899

Table 212: Resolved Issues

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

Description	Tracking ID
Previously, when you ran the SAP PI or SAP PI/PO Work History extraction job, the files were intermittently transferred from SAP to GE Digital APM even before the extraction was complete. This issue has been resolved. Now, the folder structure for SAP adapters has been modified to transfer the files only after their extraction is complete.	US330411
Previously, record locked messages failed to appear in APM error messages, and did not enable you to know why the Notification is not being created in SAP. This issue has been resolved.	DE128819
Previously, the SAP Adapters Help documentation did not contain the information that the Planned Work Adapter supports only the Single Cycle Maintenance Plans in the Planned Work Interface with SAP. This issue has been resolved.	DE123655
Previously when creating a General Recommendation record, multiple calls were made to SAP resulting in duplicate entries in the Long Text field in SAP. This issue has been resolved.	DE123054
Previously, the sequence of the work history status codes in GE Digital APM did not match the sequence of the work history status codes in SAP. Also, in some cases, the status codes that were hidden in SAP appeared in GE Digital APM. These issues have been resolved. Note: User status is available for Work History only.	DE114333

Schedule Logs

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

Table 213: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
While scheduling jobs in monthly intervals, you can now schedule a recurring job on the last day for selected months. To facilitate this enhancement, a new option, Last Day of the month(s) , has been added to the Edit Schedule window.	US373531
You can now manually recover failed jobs that appear in the In Progress section of the Schedule Logs page. To facilitate this enhancement, a new button, Recover Jobs , has been added that appears when you select the In Progress tab.	DE120857

Table 214: Resolved Issues

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

Description	Tracking ID
Previously, when you scheduled jobs, some of the jobs did not successfully run and appeared in the In Progress section. This issue occurred because the application server was disconnected from GE Digital APM when the jobs were run. This issue has been resolved. Now, GE Digital APM automatically restarts the jobs when the application server is restored.	DE120857

Security Manager

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

Table 215: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
You can now configure the preferred language of a security user without affecting the culture assigned to the user. To facilitate this enhancement, a new drop-down list box, Language , has been added to the Details section of the Users page. Additionally, a new drop-down list box, Default Language , has been added to the User Defaults page, which allows you to configure a default language for the users. Important: The culture associated with a user no longer determines the language that is displayed when the user signs in to GE Digital APM.	US386929

Single Sign-On

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

Table 216: Obsolete Features

The following features are no longer available.

Description	Tracking ID
You can no longer use the <code>saml.config</code> file to configure the SSO URL. A new file <code>saml.json</code> has been added to the existing path to configure the SSO URL.	US340890

SIS Management

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

Table 217: 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) latest database version 2020.1.01.	US398088
You can now remove the assets that are specified in the Functional Location ID and Equipment ID fields of an Instrumented Function. To facilitate this enhancement, the Remove button (✕) has been enabled in the Asset Finder window that appears for the Functional Location ID and Equipment ID fields in the datasheet for the Instrumented Function.	US292115

Table 218: Resolved Issues

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

Description	Tracking ID
Previously, when performing an SIL Assessment using the Risk Matrix Internal Assessment method, if you did not select a risk value in the Environment section of the Risk Matrix, you could not select a value in the Operations section of the Risk Matrix. This issue has been resolved.	DE131771
Previously, when modifying a Final Element associated with a Protective Instrument Loop, if you selected the Remote Actuated Valve option in the Select a Final Element window, the More Options button (⋮) appearing next to the Actuator box did not function as expected. This issue has been resolved.	DE127647
Previously, if you created an external SIL Assessment for an SIL Analysis, the value that appeared in the Availability Target field of the Assessment Details section was incorrect. This issue has been resolved.	DE115055

System Requirements

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

Table 219: Enhancements and New Features

The following enhancements and new features have been added.

Description	Tracking ID
The GE Digital APM V4.4.0.0.0 is now deployed on the .NET Core platform and now supports the following operating systems and relational database management systems: <ul style="list-style-type: none">Windows Server 2016 and higher versionsSQL Server 2014 and higher versions	US408564

Table 220: Known Issues and Limitations

The following known issues and limitations exist.

Description	Tracking ID
<p>If you install the following applications on the GE Digital APM Server using Microsoft Visual Studio 2017, the applications do not work as expected.</p> <ul style="list-style-type: none">• APM Reports Designer• Rules Editor <p>Workaround: Perform the following:</p> <ul style="list-style-type: none">• Install the APM Reports Designer using Microsoft Visual Studio 2017.• Install the Rules Editor using Microsoft Visual Studio 2019.	DE134150

Thickness Monitoring

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										
<p>To enhance usability of the Thickness Monitoring (TM) Assets and Thickness Monitoring (TM) Functional Location Data Loaders, the following values are now updated on the Interface Log record generated by the data loader execution.</p> <table border="1" data-bbox="264 365 1130 873"> <thead> <tr> <th data-bbox="264 365 695 413">Field</th> <th data-bbox="695 365 1130 413">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="264 413 695 499">Number of Records Processed</td> <td data-bbox="695 413 1130 499">Incremented by one for each Thickness Measurement Location (TML) processed from the Excel.</td> </tr> <tr> <td data-bbox="264 499 695 646">Number of Records Rejected</td> <td data-bbox="695 499 1130 646">Incremented by one for each Thickness Measurement Location (TML) record that encountered an error when being created or updated, which resulted in the record not being committed.</td> </tr> <tr> <td data-bbox="264 646 695 758">Number of Records Created</td> <td data-bbox="695 646 1130 758">Incremented by one for each new Thickness Measurement Location (TML) record that is successfully created.</td> </tr> <tr> <td data-bbox="264 758 695 873">Number of Records Updated</td> <td data-bbox="695 758 1130 873">Incremented by one for each existing Thickness Measurement Location (TML) record that is successfully updated.</td> </tr> </tbody> </table>	Field	Description	Number of Records Processed	Incremented by one for each Thickness Measurement Location (TML) processed from the Excel.	Number of Records Rejected	Incremented by one for each Thickness Measurement Location (TML) record that encountered an error when being created or updated, which resulted in the record not being committed.	Number of Records Created	Incremented by one for each new Thickness Measurement Location (TML) record that is successfully created.	Number of Records Updated	Incremented by one for each existing Thickness Measurement Location (TML) record that is successfully updated.	US390890
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Number of Records Updated	Incremented by one for each existing Thickness Measurement Location (TML) record that is successfully updated.										
<p>Previously, you could search records from all the Thickness Measurement families in the Global Search. Now, all families from Thickness Measurement have been excluded from Global Search, except for the following families:</p> <ul style="list-style-type: none"> • Analysis • Asset Corrosion Analysis • Corrosion • Datapoint • Materials of Construction • Pipe Properties • Piping Nominal T-Min • Piping Stress • PV Nominal T-Min • PV Stress • Tank Nominal T-Min • Tank Stress • Tank T-Min Annular Ring • Thickness Monitoring Task • Thickness Measurement Location • TML Group <p>However, you can configure a family to be included or excluded from the Global Search using the Search Configuration.</p>	US384419										
<p>The performance of the Analysis Overview workspace and the TMLs section has been significantly improved. To facilitate this enhancement, the Based on field now appears as a hyperlink that allows you to access the Thickness Measurement Locations (TMLs) associated with the analyses in the Based on window.</p>	US373718										

Table 222: Resolved Issues

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

Description	Tracking ID																								
Previously, the Thickness Monitoring Overview page was filtered based on the asset hierarchy context, even though the unit key was passed in the Uniform Resource Locator (URL). This issue has been resolved. Now, the Thickness Monitoring Overview page is filtered based on the provided unit key.	US384797																								
To enhance usability, the performance of Thickness Monitoring data loader has been improved when creating TML records that are directly linked to the equipment or functional location.	DE131763																								
Previously, in the Thickness Monitoring Analysis Overview page, the More Options button () did not appear after certain workflows, such as deleting a nested TML Group. This issue has been resolved.	DE131708																								
Previously, in the TM Dataloggers page, in the Send To and Receive From sections, the Thickness Measurement Locations (TMLs) were not sorted. This issue has been resolved. Now, the TMLs are sorted in alphanumerical order of the corresponding TML IDs.	DE128017																								
<p>Previously, in the TMLs section of the Analysis Overview page, the values in the following columns displayed the system code ID instead of the description:</p> <ul style="list-style-type: none"> • Access • Tank Type • Vessel Type <p>This issue has been resolved.</p>	DE125402																								
Previously, in a Thickness Measurement Location (TML), if the first two measurements were of equal value, and the value was less than the value in the Minimum Thickness field, and the Use Minimum Corrosion Rate was not selected in the Corrosion Analysis Settings, the Scheduled Next Inspection Date value was calculated incorrectly. This issue has been resolved. Now, the Scheduled Next Inspection Date is calculated as per the value in the Last Measurement Date field.	DE123762																								
Previously, when you performed the Minimum Thickness (T-Min) calculation for more than 400 thickness measurement locations from the T-Min Calculator workspace, an error occurred. This issue has been resolved. Now, a pagination has been introduced to the T-Min Calculator workspace to load 100 thickness measurement locations per page.	DE123305																								
<p>Previously, the values in the Nominal Wall Thickness and Internal Diameter fields were incorrect in two records in the Pipe Properties family. This issue has been resolved. Now, the values in the records are updated as below:</p> <table border="1" data-bbox="264 1556 1118 1864"> <thead> <tr> <th>Schedule</th> <th>Nominal Diameter - NPS</th> <th>Nominal Diameter - DN</th> <th>Outside Diameter</th> <th>Nominal Wall Thickness (Old)</th> <th>Nominal Wall Thickness (New)</th> <th>Internal Diameter (Old)</th> <th>Internal Diameter (New)</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>2.5</td> <td>65</td> <td>2.875 (Inches)</td> <td>0.125 (Inches)</td> <td>0.188 (Inches)</td> <td>2.625 (Inches)</td> <td>2.499 (Inches)</td> </tr> <tr> <td>40</td> <td>36</td> <td>900</td> <td>36 (Inches)</td> <td>0.688 (Inches)</td> <td>0.75 (Inches)</td> <td>34.624 (Inches)</td> <td>34.5 (Inches)</td> </tr> </tbody> </table>	Schedule	Nominal Diameter - NPS	Nominal Diameter - DN	Outside Diameter	Nominal Wall Thickness (Old)	Nominal Wall Thickness (New)	Internal Diameter (Old)	Internal Diameter (New)	30	2.5	65	2.875 (Inches)	0.125 (Inches)	0.188 (Inches)	2.625 (Inches)	2.499 (Inches)	40	36	900	36 (Inches)	0.688 (Inches)	0.75 (Inches)	34.624 (Inches)	34.5 (Inches)	DE123035
Schedule	Nominal Diameter - NPS	Nominal Diameter - DN	Outside Diameter	Nominal Wall Thickness (Old)	Nominal Wall Thickness (New)	Internal Diameter (Old)	Internal Diameter (New)																		
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40	36	900	36 (Inches)	0.688 (Inches)	0.75 (Inches)	34.624 (Inches)	34.5 (Inches)																		

Description	Tracking ID
<p>Previously, on the Corrosion Analysis Settings page, when a user entered numeric values using comma as the decimal separator (for example: 1,9) the numeric value was not saved correctly. This issue has been resolved.</p>	DE122373
<p>Previously, if the measurements of a Thickness Measurement Location are at high loss, and you attempted to organize the Thickness Measurement Locations from the Organize TMLs workspace, an error occurred indicating that the calculation failed. This issue has been resolved.</p>	DE120290
<p>Previously, when you calculated an asset corrosion analysis in Thickness Monitoring, where the Maximum Allowable Working Pressure (MAWP) was calculated against the Thickness Measurement Locations, the following error was logged in the application log file even though the calculation of the MAWP was successful:</p> <pre data-bbox="266 621 1029 651">System.Xml.XmlException: Root element is missing</pre> <p>This issue has been resolved.</p>	DE118767
<p>Previously, when you selected a Thickness Measurement Location (TML) group from the Analysis Overview page, and then selected the Organize TMLs option, the TMLs present in the selected TML Group were displayed along with the TMLs from the other TML Groups in the Organize TMLs section. This issue has been resolved. Now, the TMLs from the selected TML Group does not display in the Organize TMLs section.</p>	DE83358