

Oracle Life Sciences Empirica

Release Notes



Release 9.2.3
F87390-02



Oracle Life Sciences Empirica Release Notes, Release 9.2.3

F87390-02

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Preface

This preface contains the following sections:

- [Documentation accessibility](#)
- [Related resources](#)
- [Access to Oracle Support](#)

Documentation accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Related resources

All documentation and other supporting materials are available on the [Oracle Help Center](#).

Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through Oracle Support Cloud.

Contact our Oracle Customer Support Services team by logging requests in one of the following locations:

- English interface Customer Support Portal (<https://hsgbu.custhelp.com/>)
- Japanese interface Customer Support Portal (<https://hsgbu-jp.custhelp.com/>)

You can also call our 24x7 help desk. For information, visit <https://www.oracle.com/life-sciences/support/> or visit <https://www.oracle.com/corporate/accessibility/learning-support.html#support-tab> if you are hearing impaired.

1

System requirements

- [Client computers](#)
- [Application server](#)
- [Database server](#)
- [Reporting server](#)

Client computers

- [Software for client computers](#)

Software for client computers

Component	Requirements
Operating system	Microsoft Windows 10 or later.
Internet browsers	Google® Chrome (latest public version). Microsoft® Edge (version 88 or later).
Tools for downloading data	Any or all of the following tools for downloading data: <ul style="list-style-type: none">• Adobe Acrobat Reader.• Microsoft Excel, for XLS or XLSX.• Microsoft Word, for DOCX files.• SAS System Viewer, for XPT files.• Base SAS, for SAS files.• A ZIP archive manager.

Application server

- [Minimum hardware for the application server](#)
- [Software for the application server](#)

Minimum hardware for the application server

Component	Description
Processor	64-bit Intel 6-core 2.8 GHz or higher processor. Actual requirements are based on the size of the dataset and the expected number of concurrent users.
Memory	16 GB RAM. Actual requirements are based on the size of the dataset and the expected number of concurrent users.

Component	Description
Disk storage	600 GB for data. Actual requirements are based on the size of your dataset.
Connectivity (Internet speed for connectivity)	1 GB recommended.

Software for the application server

Component	Description
Operating system	Oracle Linux 7.6 or later.
Software	<ul style="list-style-type: none"> Oracle Database Client that matches your database version. Select either the developer or the full installation option. The installation must include the SQL*Loader (sqlldr) utility. WebLogic 12.2.1.4 (includes ADF runtime) with Java 8 version 211 and above. Required if you plan to use single sign-on solution IDCS: Web Tier Security Service (WTSS), Version: 21.3.3-2112151112. Required if you plan to use single sign-on solution other than IDCS: OAM WebGate, OHS version 12.2.1.4.

Database server

- [Minimum hardware for the database server](#)
- [Software for the database server](#)

Minimum hardware for the database server

Component	Description
Processor	64-bit Intel 2-core 2.8 GHz or higher processor. Actual requirements are based on the size of the dataset and the expected number of concurrent users.
Memory	16 GB RAM. Actual requirements are based on the size of the dataset and the expected number of concurrent users.
Disk storage	1.2 TB for data. Actual requirements are based on the size of your dataset.
Connectivity	1 GB recommended.

Software for the database server

Component	Description
Operating system	Oracle Linux 7.6 or higher
Software	Oracle Database 19c The following installation options are supported: <ul style="list-style-type: none">• Block size: 8k minimum• Character set: AL32UTF8• NLS_LENGTH_SEMANTICS: BYTE• EZ Connect

Reporting server

- [Requirements for the Oracle Analytics reporting server](#)

Requirements for the Oracle Analytics reporting server

To use Oracle Analytics to report on Oracle Empirica Signal, your system must meet the Oracle Analytics requirements. Make sure that the Oracle Empirica Signal and Analytics run on separate servers.

2

Changes in the 9.2.3 release

The changes in the Oracle Life Sciences Empirica 9.2.3 release include enhancements and fixed issues.

This release includes these major enhancements:

- The ability to select multiple products and view them on the Product-Events Combinations page as well as comment on and view notes for multiple products.
- Introduction of versioned case series that allow users to add persistent annotations to individual cases as part of signal review.
- Implementation of interactive signal management for the PMDA JADER database.
- Adoption of the Oracle Redwood user interface theme.

Improvements have also been made to improve the usability of the Manage Field Accessibility by State table.



Note:

To view release notes for versions prior to 9.2.3, select **Empirica Signal and Topics** from the [Life Sciences](#) Oracle Help Center page, then select the release from the [Empirica Signal and Topics landing page](#).

- [Enhancements](#)
- [Issues fixed](#)

Enhancements

- [Administration](#)
- [Case series](#)
- [Data mining results](#)
- [Signal management](#)
- [Topics](#)
- [User interface](#)

Administration

- [Miscellaneous column for variables subtypes added to Argus configurations \(36943197\)](#)

Miscellaneous column for variables subtypes added to Argus configurations (36943197)

Argus configurations now include a Miscellaneous column used to support the new Versioned Case Series implementation to identify two variables subtypes: the Initial Report Date and the Last Significant Update.

Case series

- [Case-level annotations can be saved in a versioned case series \(35283974\)](#)

Case-level annotations can be saved in a versioned case series (35283974)

Case-level review has been added to Oracle Empirica. If your signal configuration is configured for versioned case series, then users can annotate cases when working on the Product-Event Combinations page.

A user with Manage Signal Configurations and Create Queries/Case Series permissions configures versioned case series for a signal configuration by first creating an empty versioned case series and then associating it with the signal configuration.

Once configured, users add cases to the versioned case series while working with cases on the Product-Event Combinations page. Specifically, the Cases page, when opened from Signal Review, will contain new annotation columns allowing users to review the current annotations. Drilling down to Case Details provides the ability to view previous annotations and add an annotation.

Data mining results

- [Increased precision of logistic regression results \(37054795\)](#)

Increased precision of logistic regression results (37054795)

Precision of logistic regression run results has been improved; this primarily affects results for low case counts.

Signal management

- [Support multiple products on the Product-Event Combinations table \(31951295\)](#)
- [Add Select Rows mode to the Products table \(33631192\)](#)
- [Ability to create signal alerts only for specific products \(33811426\)](#)
- [Support event comments for multiple products \(34639809\)](#)
- [New PMDA JADER Interactive Signal Management \(35359849\)](#)
- [View notes for multiple products \(35654233\)](#)
- [Provide license usage information \(36540147\)](#)
- [Add and apply default filters to the View Event Comment table \(36606768\)](#)
- [32573765 - Duplicate records exist in SM views](#)
- [34052872 - Duplicate subsets during MGPS runs](#)

- [34989055](#) - Null values in Unique Values tables can break Age-Group/Gender Breakdown graphs
- [36032854](#) - Alert configuration is not possible when the signal view WHERE clause length is more than 4000 chars

Support multiple products on the Product-Event Combinations table (31951295)

You can now view product-event combinations for multiple products on the Product-Event Combinations page. To do this, enter Select Rows mode from the Header action row on the Products table, select the products you want to investigate, and then select View Product-Event Combinations. When multiple products are selected, the panels on the Product-Event Combinations page, such as Product Summary, System Organ Class, and Detail summarizes information across all of the selected products.

If configured, the Product-Event Combinations panel will display a tab for the signal configuration's default view. Users can add and remove tabs to the table as desired. Alert tabs are not added by default. When adding a tab for multiple products, it is important to consider the review period and complexity levels of each product. Alerts, both informational and tracked, are impacted by review period and complexity levels.

Add Select Rows mode to the Products table (33631192)

The Select Rows option from the Products table's Header Action menu allows you to select multiple products and apply additional options from the Header Action menu to the selected products. These include:

- **View Product-Event Combinations:** To open the Product-Event Combinations page for all of the selected products. (See [Support multiple products on the Product-Event Combinations table \(31951295\)](#).)
- **View Notes:** To open the View Notes window and include notes for all of the selected products. See [View notes for multiple products \(35654233\)](#).
- **View Event Comments:** To open the View Event Comments window and include event comments for all of the selected products. See [Support event comments for multiple products \(34639809\)](#).
- **Download:** To download the selected product information to various types of files.
- **Exit Selection Mode:** To return to focusing on a single product on the Products page.

Ability to create signal alerts only for specific products (33811426)

Users can now create alert types using views that apply to specific products rather than all products in a signal configuration.

Previously, if an alert type used a view which specified a specific product in the WHERE clause, an error occurred. Now, you can limit the WHERE clause to a specific product.

Support event comments for multiple products (34639809)

The Event Comments window has been enhanced to support multiple products. On the Products page, enter Select Rows mode from the Header Action menu on the Products table. Select the products of interest and then select View Event Comments.

In addition, the Event Comments window has been enhanced to filter by most recent comments by default. This change was made for both single products and multiple products. See [View Notes for multiple products \(35654233\)](#).

New PMDA JADER Interactive Signal Management (35359849)

You can now use interactive signal management for PDMA JADER data. JADER Interactive Signal Management provides English and Japanese language-based configurations, both of which enable you to configure datasets for data mining runs, create tracked alert types, and refresh the configurations from the application user interface.

JADER interactive signal management requires JADER data 202409 or later. The R and RGPS packages must be installed on the application server and RGPS must be configured in Oracle Empirica.

View notes for multiple products (35654233)

The Event Comments window has been enhanced to support multiple products. On the Products page, select Select Rows mode from the Header Action menu on the Products table. Select the products of interest and then select View Notes. To see the note, click the View Note link.

Provide license usage information (36540147)

On the new License Usage page, accessed from the Users page, administrators and superusers can track how many effective permissions are needed for each user. The page clearly identifies which permissions require an Empirica Signal license and which require an Empirica Topics license.

With the report provided you can better manage your licenses. Administrators receive a report for users in their login group. Superusers receive a report on all users.

Add and apply default filters to the View Event Comment table (36606768)

When the View Event Comments page opens, Most Recent and Public Comment Type filters are applied by default.

Topics

- [Improve usability of Manage Field Accessibility by State table \(34646267\)](#)

Improve usability of Manage Field Accessibility by State table (34646267)

The usability of the Manage Field Accessibility by State table has been enhanced by these new features:

- Adding of a Display Name column to the right of the field name.
- Freezing the column header row so that it is visible as you scroll vertically on large tables.
- Freezing the Field Name and Display Name columns so that they are visible as you scroll horizontally on large tables.
- Adding Print and Download options to the Columns options.

The tables affected include:

- Manage Topic Fields by State
- Manage Action Fields by State

User interface

- [New look and feel for the Oracle Empirica application \(35833981\)](#)

New look and feel for the Oracle Empirica application (35833981)

The next time you log into Oracle Empirica Signal, you might notice a few changes to the user interface and appearance of the screens and windows. The latest JavaScript Extension Toolkit (JET) and Redwood user interface guidelines and templates have been applied to the Oracle Empirica Signal 9.2.3 version.

Redwood is Oracle's next generation user experience design system. It includes a beautiful new set of user interface elements as well as a philosophical approach to solving customer problems in a differentiated and satisfying way to get the best results for our end users.

Issues fixed

- [Signal management](#)
- [Subscription data releases in the Oracle Cloud](#)
- [Topics](#)

Signal management

- [Support multiple products on the Product-Event Combinations table \(31951295\)](#)
- [Add Select Rows mode to the Products table \(33631192\)](#)
- [Ability to create signal alerts only for specific products \(33811426\)](#)
- [Support event comments for multiple products \(34639809\)](#)
- [New PMDA JADER Interactive Signal Management \(35359849\)](#)
- [View notes for multiple products \(35654233\)](#)
- [Provide license usage information \(36540147\)](#)
- [Add and apply default filters to the View Event Comment table \(36606768\)](#)
- [32573765 - Duplicate records exist in SM views](#)
- [34052872 - Duplicate subsets during MGPS runs](#)
- [34989055 - Null values in Unique Values tables can break Age-Group/Gender Breakdown graphs](#)
- [36032854 - Alert configuration is not possible when the signal view WHERE clause length is more than 4000 chars](#)

32573765 - Duplicate records exist in SM views

Before

Reported as a known issue in Oracle Empirica Signal release 9.2, duplicate records appeared in peripheral tables like SM_PRODUCT for updated cases.

**Note:**

This known issue was originally posted in the *Argus Mart Signal Management Release Notes*, Version 9.2.2.1.

After

When updating cases, duplicate records no longer occur in data mining runs, product-event combinations rows, or when drilling down on product-event combinations counts.

34052872 - Duplicate subsets during MGPS runs

Before

As part of a refresh, Oracle Empirica created subsets based on the As of Date/Data Load date and the periodicity of the data. Subsets were created even if there was no data for the subset. MGPS ignored these duplicate subsets.

After

MGPS runs now process all subsets, even identical ones.

34989055 - Null values in Unique Values tables can break Age-Group/Gender Breakdown graphs

Before

An Age-Group or Gender Breakdown graph selected from the Row Action menu of a product-event combination row did not display if the data included for age-group or gender in the Unique Values table contained null values. Note that the graph did display in the Detail panel, with null values displayed in the Other category.

After

The graph displays. Cases with NULL values for age-group or gender are represented by a bar for (NULL) values.

36032854 - Alert configuration is not possible when the signal view WHERE clause length is more than 4000 chars

Before

Importing from a signal view with a WHERE clause exceeding 4000 characters caused an error during alert type addition or editing, as alert type conditions are restricted to 4000 characters, unlike signal views.

After

Alert type conditions are no longer restricted to 4000 characters.

Subscription data releases in the Oracle Cloud

- [36568076 - VAERS and JADER ISM SDR alert view is not displaying the All ER05 column](#)

36568076 - VAERS and JADER ISM SDR alert view is not displaying the All ER05 column

Before

For VAERS and JADER the SDR alert type's condition and view includes `ALLRGPS_ER05` instead of `ALLRGPS_ER05`. Condition is not case sensitive but the column selection for the view is. As a result, the `ALLRGPS_ER05` column did not display when the SDR tab was selected on the Product-Event Combinations page.

After

Capitalization was corrected in the condition and view, the `ALLRGPS_ER05` column displays as expected.

Topics

- [36447146 - Under certain conditions, a topic action's Planned Completion Date is cleared](#)

36447146 - Under certain conditions, a topic action's Planned Completion Date is cleared

Before

If a topics action's Planned Completion Date's Accessibility by State field was set to Visible for any action state, when you transitioned to that state and saved the action the Planned Completion Date value was cleared.

After

Planned Completion Date values are no longer cleared.

3

Changes in the 9.2.2.2 release

The changes in the Oracle Life Sciences Empirica 9.2.2.2 release include enhancements and fixed issues. In addition, this release also includes performance improvements to the Signal Review Product-Event Combinations page and Reports.



Note:

To view release notes for versions prior to 9.2.3, select **Empirica Signal and Topics** from the [Life Sciences Oracle Help Center](#) page, then select the release from the [Empirica Signal and Topics landing page](#).

- [Enhancements](#)
- [Issues fixed](#)

Enhancements

- [Signal management](#)
- [Performance](#)

Signal management

- [Do not show alert counts in SOC carousel if there are no tracked alerts \(36174776\)](#)

Do not show alert counts in SOC carousel if there are no tracked alerts (36174776)

If there are no tracked alerts for a System Organ Class then the SOC carousel will not display the 0/0 alert count.

Performance

- [Performance Improvements \(36091155, 36091142, 36091177, 36091167\)](#)

Performance Improvements (36091155, 36091142, 36091177, 36091167)

Performance has been improved when working with the Product-Event Combinations page (36091155, 36091142), and when running reports (36091177, 36091167).

Issues fixed

- [Data mining runs](#)
- [Signal management](#)

Data mining runs

- [36174780 - DM runs can fail with a SQL*Loader error](#)
- [36174769 - 3D data mining runs with three variables \(Drug, Event, Outcome\) fail with Code 136](#)

36174780 - DM runs can fail with a SQL*Loader error

Before

Occasionally, when an event was very rare, data mining runs that included ROR stratification would fail with a SQL*Loader error.

After

Data mining runs that include ROR stratification no longer fail when data includes rare events.

36174769 - 3D data mining runs with three variables (Drug, Event, Outcome) fail with Code 136

Before

If there were zero items for some combination of item types, such as Drug-Event-Outcome, then the 3D data mining run would fail with Code 136.

After

3D data mining runs no longer fail when there are zero items for some combination of item types.

Signal management

- [36211633 - SOC Carousel is sometimes not loading when switching between Signal configurations](#)

36211633 - SOC Carousel is sometimes not loading when switching between Signal configurations

Before

When switching from one signal configuration to another, the Product-Event Combinations page would sometimes not load. This issue occurred when the initial signal configuration's selected PEC tab was not available in the second signal configuration's PEC tabs.

After

The Product-Event Combination page displays tab selection according to Product page selection.

4

Changes in the 9.2.2.1 release

The changes in the Oracle Empirica 9.2.2.1 release include enhancements and fixed issues.



Note:

To view release notes for versions prior to 9.2.3, select **Empirica Signal and Topics** from the [Life Sciences](#) Oracle Help Center page, then select the release from the [Empirica Signal and Topics landing page](#).

- [Enhancements](#)
- [Issues fixed](#)

Enhancements

- [Signal management](#)

Signal management

- [Users can control the As of Date of refresh for a timestamped interactive signal configuration \(33894619\)](#)

Users can control the As of Date of refresh for a timestamped interactive signal configuration (33894619)

You can select an As Of Date when refreshing an interactive signal configuration that uses timestamped data, such as Argus Mart. Previously you were restricted to the latest As Of date in the data.

Issues fixed

- [Signal management](#)
- [Subscription data releases in Oracle Cloud](#)

Signal management

- [35523035 - Product Finder does not work when the product name contains a forward slash and authentication is SSO](#)

35523035 - Product Finder does not work when the product name contains a forward slash and authentication is SSO

Before

If authentication was done with SSO and the product name contained forward slashes, then the Signal Review Product Finder did not find the drug. The drug could be in the drop-down list but, when selected, the table did not update with the row selected.

After

If a product with forward slashes is selected in Product Finder, the table displays the product as selected.

Subscription data releases in Oracle Cloud

- [35374099 - Improved performance of data mining runs that use managed configurations and include a database restriction](#)

35374099 - Improved performance of data mining runs that use managed configurations and include a database restriction

Before

Data mining runs that use a managed configuration and include a data base restriction could be slow.

After

The performance was improved.

5

Changes in the 9.2.2 release

The changes in the Oracle Empirica Signal 9.2.2 release include enhancements and fixed issues.



Note:

To view release notes for versions prior to 9.2.3, select **Empirica Signal and Topics** from the [Life Sciences](#) Oracle Help Center page, then select the release from the [Empirica Signal and Topics landing page](#).

- [Enhancements](#)
- [Issues fixed](#)

Enhancements

- [Administration](#)
- [Case series](#)
- [Data mining runs](#)
- [Drug profiles](#)
- [Signal management](#)
- [Topic management](#)

Administration

- [Support for Argus multi-enterprise signal analysis in the Oracle Cloud \(16391714\)](#)
- [Selection of multiple values is allowed when modifying display order \(34646200\)](#)
- [Additional columns available when viewing users \(34724442\)](#)

Support for Argus multi-enterprise signal analysis in the Oracle Cloud (16391714)

The Oracle Empirica Signal Cloud Service now supports a configuration option for accessing multiple Argus Cloud enterprises (also known as Argus CRO mode) from a single Oracle Empirica Signal Cloud environment.

Selection of multiple values is allowed when modifying display order (34646200)

When modifying the display order, you can now select multiple values. This applies to: topic fields, topic field values, product fields, product field values, alert types, and organizing views.

Additional columns available when viewing users (34724442)

When viewing users on the Edit Users page, two additional columns are available: ID, Created.

Case series

- [Case details narrative text retains line formatting \(34452189\)](#)

Case details narrative text retains line formatting (34452189)

When displaying case details, the Narrative section now retains line formatting.

Data mining runs

- [Support for Unicode characters in subset names \(26648500\)](#)
- [Support for Unicode characters in custom term names \(26666598\)](#)

Support for Unicode characters in subset names (26648500)

Oracle Empirica Signal now supports using Unicode characters in subset names.

Support for Unicode characters in custom term names (26666598)

Oracle Empirica Signal now supports using Unicode characters in custom term names.

Drug profiles

- [Additional drug profile links \(34571790\)](#)

Additional drug profile links (34571790)

In addition to the NIH DailyMed Label Information and FDA Drug Information links, the following drug profile links are now available by default:

- PubMed Literature References
- EMA Medicines Publications

Signal management

- [Support the creation of a multisource signal configuration \(32454984\)](#)
- [Print and download product notes \(33438561\)](#)
- [Provide bulk removal of alerts raised by a tracked alert type \(34157532\)](#)
- [Default view tab on the Signal Review Add/Edit Product page \(34207016\)](#)
- [An increase in the number of rows displayed for the Detailed Comment field when submitting a review \(34594518\)](#)
- [Display customized numeric column values as integers \(34594718\)](#)
- [Signal configurations can be published to users with Manage Signal Configuration permission \(34707429\)](#)
- [New filters available when viewing similar combinations \(34872062\)](#)

Support the creation of a multisource signal configuration (32454984)

Oracle Empirica Signal now supports the creation of a multisource signal configuration. A multisource signal configuration can combine the results of up to three signal configurations in a side-by-side view.

Print and download product notes (33438561)

You can now download or print the table of product notes as well as print detailed notes.

Provide bulk removal of alerts raised by a tracked alert type (34157532)

When editing alert types, you can now remove in bulk all unreviewed alerts by alert type or alert creation dates.

Default view tab on the Signal Review Add/Edit Product page (34207016)

The default signal view specified on the Add/Edit Product page or the default view selected on the Edit Signal Configuration page now appears as the left-most tab on the Signal Review Product-Event Combinations page.

An increase in the number of rows displayed for the Detailed Comment field when submitting a review (34594518)

When submitting a review, five rows of detailed comment text are displayed.

Display customized numeric column values as integers (34594718)

Previously, if a custom numeric column was added to the Signal Summary table, the values displayed with decimal values. Now, when customizing the column, if the column type is set to *N Other*, the values display as integers.

Signal configurations can be published to users with Manage Signal Configuration permission (34707429)

Previously, signal management configurations could be published only to login groups. Superusers can now publish signal management configurations to users with the Manage Signal Configuration permission. On the Manage Signal Configurations page, these users will see only the configurations published to them or their login group.

New filters available when viewing similar combinations (34872062)

When viewing similar combinations for a product-event combination, use the Show products filter to restrict the rows to the current product only, products within the same product group, or all products. Use the Show events filter to view the current event.

Topic management

- [Improved display of topic table attachments \(34191194\)](#)

Improved display of topic table attachments (34191194)

When viewing a topic or action attachment that was created from an Oracle Empirica Signal table, the attachment now opens in a separate window and provides information identifying the topic or action to which it is attached.

Issues fixed

- [Case series](#)
- [Data mining runs](#)
- [Signal management](#)
- [Topic management](#)

Case series

- [35058878 - Downloading case details from a product-event combinations table can take a long time or not work at all](#)

35058878 - Downloading case details from a product-event combinations table can take a long time or not work at all

Before

Downloading case details would sometimes be extremely slow or fail with a time-out error.

After

Performance of downloading case details has been improved.

Data mining runs

- [23290689 - 2D MGPS runs with RGPS enabled with interactions are listed as 3D runs in Drug Profile configurations and in Browse](#)

23290689 - 2D MGPS runs with RGPS enabled with interactions are listed as 3D runs in Drug Profile configurations and in Browse

Before

In drug profile configurations and when browsing data mining runs, 2D MGPS runs with RGPS enabled with interactions were listed as 3D runs.

After

2D MGPS runs with RGPS enabled with interactions are listed as 2D runs.

Signal management

- [17882190 - Errors on Signal Review page handled gracefully when ISM/SSM data mining runs are deleted](#)
- [18990284 - Duplicate comment type should not be allowed](#)

- [34711853- Add Comment removed previous topic association](#)
- [34992072 - Product-Event Combinations Detail panel gives error when the event contains a slash and authentication is SSO](#)

17882190 - Errors on Signal Review page handled gracefully when ISM/SSM data mining runs are deleted

Before

If data mining runs from a refresh were deleted, errors could be seen in the product-event combinations table and in the log file.

After

No error appears in the product-event combinations table due to the deleted data mining runs. A warning is written to the log file.

18990284 - Duplicate comment type should not be allowed

Before

If a duplicate comment type was added to a signal configuration, it resulted in duplicate rows in the Product-Event Combinations table.

After

When editing comment types, duplicates are no longer allowed.

34711853- Add Comment removed previous topic association

Before

When adding a comment to a product-event combination, if a topic association was previously added using Submit Review, the topic association was removed.

After

When adding a comment, the previous topic association is retained.

34992072 - Product-Event Combinations Detail panel gives error when the event contains a slash and authentication is SSO

Before

When selecting a product-event combination row, if the event name contained a slash (/), the Detail panel displayed a system error.

After

The Detail panel displays correctly for an event name that contains a slash.

Topic management

- [22619391 - View Source Details not correct for View Similar Combos/PTs for SMQ attachments](#)

- [34329845 - Table of Contents in Topic PDF did not display Japanese characters in the note attachment name](#)
- [34530106 -Topic General Information could be saved without completing required fields](#)

22619391 - View Source Details not correct for View Similar Combos/PTs for SMQ attachments

Before

When you viewed source details for an attachment that you created using View Similar Combinations, if you selected PTs for SMQ for Show Events Within, Oracle Empirica Signal displayed ALL instead of PTs for SMQ.

After

View Source Details displays the correct value for Show Events Within.

34329845 - Table of Contents in Topic PDF did not display Japanese characters in the note attachment name

Before

When creating a Topic PDF, if a note attachment had Japanese characters in the attachment name, those characters did not display in the Table of Contents.

After

Japanese characters in topic attachment names display correctly.

34530106 -Topic General Information could be saved without completing required fields

Before

When editing a topic, if the topic state was changed without entering some required fields, and the user performed an action in another section, the topic could be saved without completing the required fields.

After

Saving the topic is prevented if required fields are not complete.

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Change log

Date	Revised part number	Description
January 2025	F87390-02	Added descriptions of two Empirica 9.2.3 enhancements: <ul style="list-style-type: none">• Miscellaneous column for variables subtypes added to Argus configurations (36943197)• Increased precision of logistic regression results (37054795)
November 2024	F87390-01	Revised document for Oracle Empirica Signal 9.2.3 release.
February 2024	F91960-01	Revised document for Oracle Empirica Signal 9.2.2.2 release.
August 2023	F82913-01	Revised document for Oracle Empirica Signal 9.2.2.1 release.
April 2023	F70450-01	Original version of this document. Created for release 9.2.2.