VECTOR

PREEvision

Release Notes



Version 26.4 SP1 | English

vector.com

Imprint

Vector Informatik GmbH
Ingersheimer Straße 24
70499 Stuttgart, Germany

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About this manual

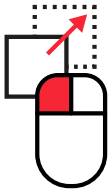
Conventions

The tables below show the notation and icon conventions used throughout the manual.

Style	Use
bold	Elements of the user interface, for example, dialog names and menu items **[OK]** Notation for buttons in square brackets **File | Save** Notation for menus and menu items
Meta Class	Meta classes
`file.xml`	File names, directory names and source code elements
`Source code`	Source code blocks
Hyperlink	References and hyperlinks
<Ctrl>+<S>	Key combinations

Icon	Use
	Notes and tips
	Caution
	References
	References to the PREEvision demo model
	Multimedia references

Icon	Use
	Left click

Icon	Use
	Right click
	Double click
	Drag and drop
	Mouse move
	Mouse wheel

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1 PREEvision 26.4 SP1

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1.1 Version numbers

Version numbers

Application	Version number
PREEvision client	26.4.1
PREEvision license server	3.1.1
PREEvision database server	26.4.0.06
PREEvision application server	26.4.1

Documentation

Manual	Version number
PREEvision manual	26.4.0
PREEvision configuration manual	26.4.0
PREEvision operating manual	26.4.0
PREEvision migration manual	26.4.0
PREEvision system requirements	26.4.0
PREEvision server API	26.4.0

1.2 Installation and compatibility information



For detailed information about the hardware and software requirements of PREEvision 26.4, refer to the PREEvision system requirements.



For detailed information about the installation of PREEvision 26.4, refer to the PREEvision operating manual.



For detailed information about the migration from PREEvision 10.x to PREEvision 26.4, refer to the PREEvision migration manual.

System requirements

The following system requirement has been changed:

Amazon Corretto version 25.0.5.0.10 is provided with the PREEvision client installation. It is recommended to use this version on all server components as well.

Compatibility

The PREEvision client, the database server and the PREEvision server are only compatible within exactly the same PREEvision version. Using a new client version on a previous server version or a previous client version on a new server version is not supported and may lead to data inconsistencies or data loss.

Client version	Server version	Database server script version	Metamodel change ID
26.0.0	26.0.0	26.0.0.02	2025-11-17
26.1.0	26.1.0	26.1.0.07	2026-04-07
26.1.1	26.1.1	26.1.0.07	2026-04-07
26.1.2	26.1.2	26.1.0.07	2026-04-07
26.1.3	26.1.3	26.1.0.07	2026-04-07
26.1.4	26.1.4	26.1.0.07	2026-04-07
26.2.0	26.2.0	26.2.0.04	2026-06-11
26.3.0	26.3.0	26.3.0.05	2026-07-23
26.4.0	26.4.0	26.4.0.06	2026-09-17
26.4.1	26.4.1	26.4.0.06	2026-09-17

Update and migration

For an update of an existing PREEvision collaboration platform environment, all components with a changed version number in the compatibility table must be updated, which includes:

- PREEvision client
- PREEvision database server script
- PREEvision application on the application server
- PREEvision monitoring server

- PREEvision broker:
  - PREEvision messaging server
  - PREEvision staging server
  - PREEvision administration server
- optional: PREEvision API server
- optional: PREEvision requirements server



For detailed instructions on how to update a PREEvision collaboration platform environment, refer to the PREEvision operating manual, chapter "Update".

With PREEvision 26.4, the former *Configuration Management* is replaced with the *Model Management* that introduces a changed model structure as well as new meta classes.

After an update of PREEvision 26.0 - 26.3 to PREEvision 26.4 or later, you must convert all existing EEA models via the **Head Model Transformation** in the administration panel. Otherwise, users cannot connect to these models after the update.

Source version	Target version	Head Model Transformation required
26.0, 26.1, 26.2, 26.3	26.4 SP1	yes
26.4	26.4 SP1	no



You must also update custom configurations that reference meta classes from the former *Configuration Management*.

For details, refer to the PREEvision migration manual.

1.3 Fixed issues

Fixed issues in PREEvision 26.4 SP1

You will find the important fixed issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Resolution
9082950154925921993	An issue in the context of a broker component has been fixed to reduce memory overhead and to improve the network communication.
9082950154802762061, 9082950154543292112, 9082950154582860064, 9082950154876700064, 9082950154599440000, 9082950154574770064	The issue which has caused the PREEvision client to terminate unexpectedly under certain system conditions has been resolved. The issue was caused by a bug in the bundled Java runtime. The runtime has been updated to version 25.05.0.10, which includes the bug fix.

1.4 Known issues

Known issues in PREEvision 26.4 SP1

You will find the important known issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Known issue
8682711555165912106	ReqIF export: For empty attributes, the string defined in the **Text for empty Labels** property is exported instead of an empty string. By default, this is "---". **Workaround:** In the **Preferences**, under **PREEvision | General**, remove all characters from the **Text for empty Labels** property.
9082949059821032062	During KBL export with propagation, more artifacts are exported than were propagated. This is caused by an issue in the export framework. For example, it is currently not possible to export only a specific *Connector Location* if its *Installation Location* is part of the propagated artifacts, since all contained *Connector Location*s are exported. The exported KBL file however is valid.
9082949059853333059	When comparing two artifacts, in the **Compare** perspective one of the **Property View**s of the artifacts to be compared is, in some cases, not displayed in compare mode. **Workaround:** Close the **Compare** perspective and execute the artifact compare again.
9082949059891171896	Artifacts that have been unloaded from the temporary scope are kept in memory. **Workaround:** Commit the model to remove artifacts of the temporary scope from memory.
9082950129724501783	In some cases, when a *Report* includes a *Report Module* with double spaces at the end of the *Report Module*, the spaces are not maintained.
9082950154143081804	Filtering and selecting artifacts via metric in a table is not working correctly. The filter is not applied even though the table indicates that a filter is active.
9082950154113631867	If the data type of an *Attribute Definition* is changed during an AUTOSAR software component update, for example by changing the value from integer to long, the existing data type of the *Attribute Definition* in the model is deleted and replaced by the new data type. Expectation: The existing data type should not be deleted, and the new data type used by the *Attribute Definition*.

ID	Known issue
9082950154877021030	When signing in via OpenID Connect, the **Head Model Transformation** page in the administration panel is not displayed correctly. As a result, the transformation action is unavailable, even if a head model transformation is required. Instead, the following message is displayed: "No model currently needs a head model transformation." **Workaround**: Log in using the simple authentication method to access the **Head Model Transformation** page and execute the transformation.
9082950154889863077	After closing PREEvision via the **Task-Manager** or after a PREEvision crash, orphaned `vText.dll` files may remain and prevent editing of formatted texts, or creating reports after PREEvision has been restarted. **Workaround**: > Close the remaining `vText.dll` file via the **Task-Manager** and restart PREEvision, or > restart your computer.

2 PREEvision 26.4

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2.1 Version numbers

Version numbers

Application	Version number
PREEvision client	26.4.0
PREEvision license server	3.1.1
PREEvision database server	26.4.0.06
PREEvision application server	26.4.0

Documentation

Manual	Version number
PREEvision manual	26.4.0
PREEvision configuration manual	26.4.0
PREEvision operating manual	26.4.0
PREEvision migration manual	26.4.0
PREEvision system requirements	26.4.0
PREEvision server API	26.4.0

2.2 Installation and compatibility information



For detailed information about the hardware and software requirements of PREEvision 26.4, refer to the PREEvision system requirements.



For detailed information about the installation of PREEvision 26.4, refer to the PREEvision operating manual.



For detailed information about the migration from PREEvision 10.x to PREEvision 26.4, refer to the PREEvision migration manual.

System requirements

The following system requirements have been changed:

- The recommended version of Apache Tomcat has been changed to 11.0.26.
- The recommended version of the Subversion server has been changed to VisualSVN Server 5.4.9.

License server

With PREEvision 26.4, the new version 3.1.1 of the standalone license server is available.

When you use the standalone PREEvision license server (RMI), it is recommended to update the license server to the new version 3.1.1.

Server configuration

Application server:

When you create bug reports in the PREEvision client, the option **Server log file** by default includes the server log files of the application server, the monitoring server, and the staging server. You can additionally include the server log files of the API server and the requirements server via the following settings in the `deploy.properties`:

Property	Description / Values
`vCollab.ServerLog.AdditionalComponents`	Comma-separated list of additional server components whose log files are included in the bug report. Possible names of components: - `vCollabAPI` - `vCollabRQM` Example: `vCollabAPI`
`vCollab.ServerLog.CollectionTimeoutSeconds`	Maximum number of seconds the application server waits to collect the log files from the monitoring server and the server components specified in `vCollab.ServerLog.AdditionalComponents`. Collection ends when all files have arrived or the timeout expires. Files received later are not included in the bug report. Default: 60

Requirements server:

If you install the requirements server on a manually installed Apache Tomcat, activate compression as follows:

1. Edit the `server.xml` under `%TOMCAT_HOME%\conf`.
2. Under the connector configuration, add the following parameters:

```
<Connector port="..."
  protocol=...
  ...
  compression="on"
  compressionMinSize="2048"
  compressibleMimeType="application/json,text/html,text/
xml,text/plain,text/css,application/javascript,text/javascript
...
```

With PREEvision 26.4 it is possible to edit formatted text in the requirement web client.

Editing formatted text must be activated and configured on the requirements server. Contact the Vector support for details.

Compatibility

The PREEvision client, the database server and the PREEvision server are only compatible within exactly the same PREEvision version. Using a new client version on a previous server version or a previous client version on a new server version is not supported and may lead to data inconsistencies or data loss.

Client version	Server version	Database server script version	Metamodel change ID
26.0.0	26.0.0	26.0.0.02	2025-11-17
26.1.0	26.1.0	26.1.0.07	2026-04-07
26.1.1	26.1.1	26.1.0.07	2026-04-07
26.1.2	26.1.2	26.1.0.07	2026-04-07
26.1.3	26.1.3	26.1.0.07	2026-04-07
26.1.4	26.1.4	26.1.0.07	2026-04-07
26.2.0	26.2.0	26.2.0.04	2026-06-11
26.3.0	26.3.0	26.3.0.05	2026-07-23
26.4.0	26.4.0	26.4.0.06	2026-09-17

Update and migration

For an update of an existing PREEvision collaboration platform environment, all components with a changed version number in the compatibility table must be updated, which includes:

> PREEvision client

- PREEvision database server script
- PREEvision application on the application server
- PREEvision monitoring server
- PREEvision broker:
  - PREEvision messaging server
  - PREEvision staging server
  - PREEvision administration server
- optional: PREEvision API server
- optional: PREEvision requirements server



For detailed instructions on how to update a PREEvision collaboration platform environment, refer to the PREEvision operating manual, chapter "Update".

With PREEvision 26.4, the former *Configuration Management* is replaced with the *Model Management* that introduces a changed model structure as well as new meta classes.

After an update to PREEvision 26.4, you must convert all existing EEA models via the **Head Model Transformation** in the administration panel. Otherwise, users cannot connect to these models after the update. The **Head Model Transformation** is only applied to the latest model version of the E/E model, since only the latest model version of the *Model Management* is considered. Authority model and user query model do not need to be transformed.



You must also update custom configurations that reference meta classes from the former *Configuration Management*.

For details, refer to the PREEvision migration manual.

2.3 New features in PREEvision 26.4

Further information

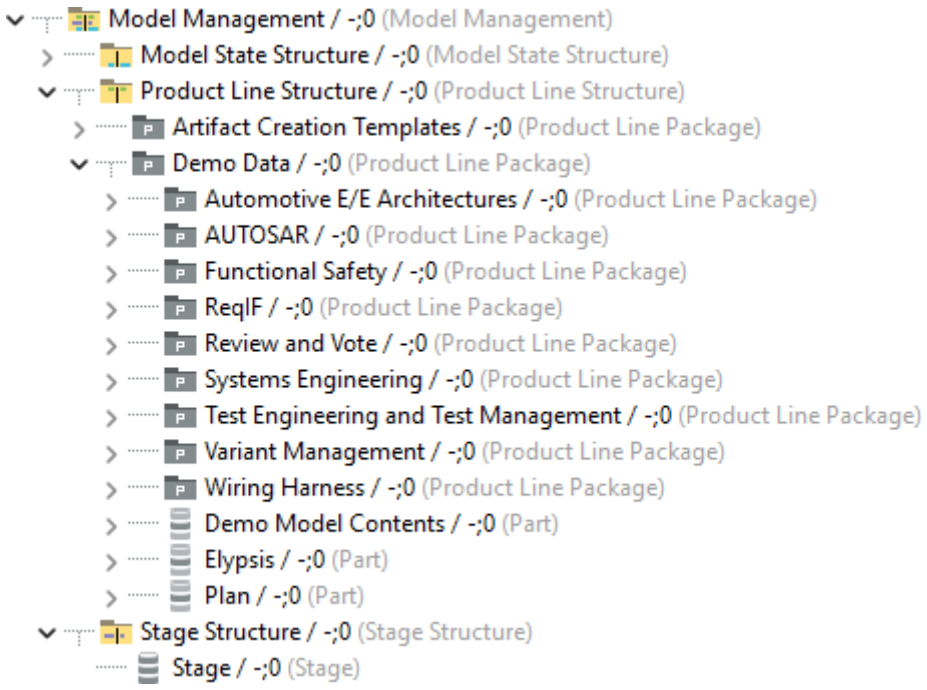
- > Model Management
- > Requirements engineering
- > Software and diagnostic design
- > Wiring harness design
- > Usability
- > Requirements web client

2.3.1 Model Management

The new Model Management is used to structure the E/E model. In future releases, access to historical data will also be managed here. The *Model Management* replaces the former *Configuration Management*. After updating PREEvision, use the **Head Model Transformation** page in the administration panel to make your models compatible with the *Model Management*.

The *Model Management* contains

- > the *Product Line Structure* with the *Product Line Package*s and *Part*s. *Part*s represent the *Product Line*s of the domain model.
- > the *Stage Structure* with a *Stage* representing the current development timeline.



2.3.2 Requirements engineering

ReqIF agreement export

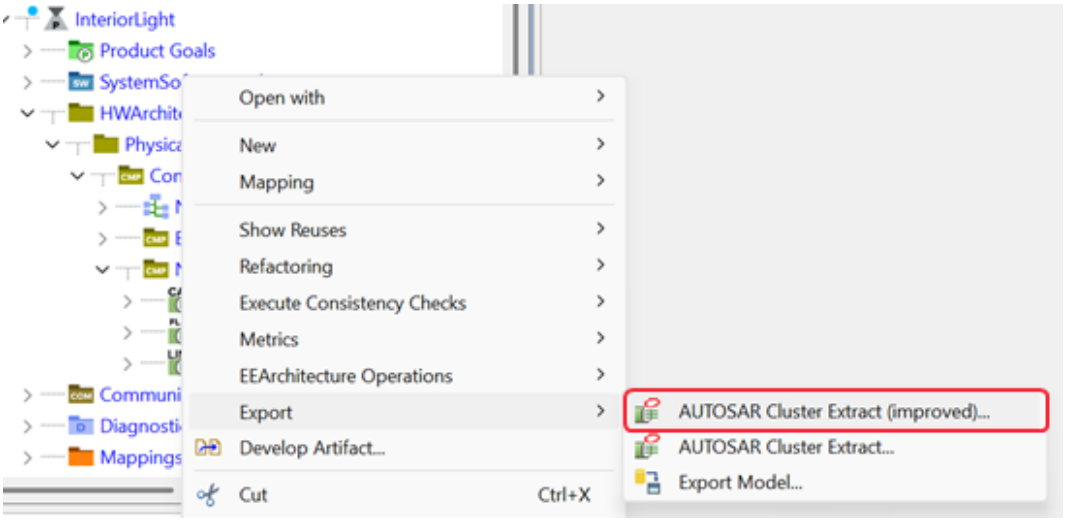
The ReqIF Agreement Export block has been extended with a new output port (*Data Source Port*) "agreementRootOutermost" (data type: `Object`). The port provides the original export context of the exported artifacts to a connected ReqIF Export block. The *ReqIF Export* block can thus determine the origin of the exported

artifacts. For executing a ReqIF agreement export, the connection between the "agreementRootOutermost" port of the *ReqIF Agreement Export* block and the "originalOutermostPackage" input port of the *ReqIF Export* block is mandatory.

2.3.3 Software and diagnostic design

Improved AUTOSAR cluster extract

For the AUTOSAR cluster extract, PREEvision 26.4 provides an improved technical implementation. The propagation phase of the AUTOSAR cluster extract is realized with *Extract Propagation Rule*s as the ECU extract and the software component description. This propagation method has better performance and allows easier customizations.



The previous implementation is still available. It will be removed with the next PREEvision release.

Metric blocks for Franca IDL

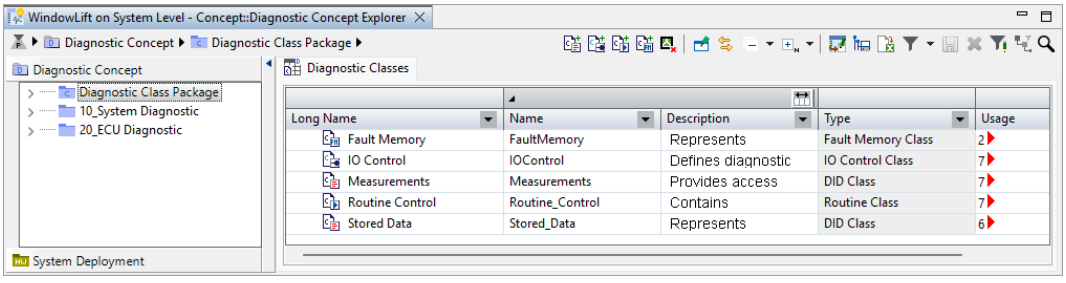
Two new metric blocks allow the automation of imports and exports of FIDL files for Franca IDL.

Performance improvements for AUTOSAR exports

As part of the AUTOSAR export process, the model-to-model transformation matching was optimized, significantly reducing matching times for large AUTOSAR exports.

Tables for diagnostic classes

The Diagnostic Concept Explorer as well as the Diagnostic Realization Explorer provide a dedicated table for centralized creation, maintenance, analysis, and safe deletion of diagnostic classes.



In the Diagnostic Classes tables, you can create diagnostic classes and define details, for example, provide a description. For existing diagnostic classes, you can check their usage by diagnostic objects.

2.3.4 Wiring harness design

Wiring harness router: new routing option for routing cores and shieldings

Besides *Single Wire*s, the wiring harness router also routes the content of *Cable*s (*Core*s and *Shielding*s). Generally, the router considers a *Cable* as a whole, which means that all *Core*s and the *Shielding* are routed together up to the last *Branch-Off* before the routing targets (for example, *Connector Location*s). The *Core*s and the *Shielding* of a *Cable* can be branched-out to different routing targets provided there is no more than one *Branch-Off* before the routing targets.

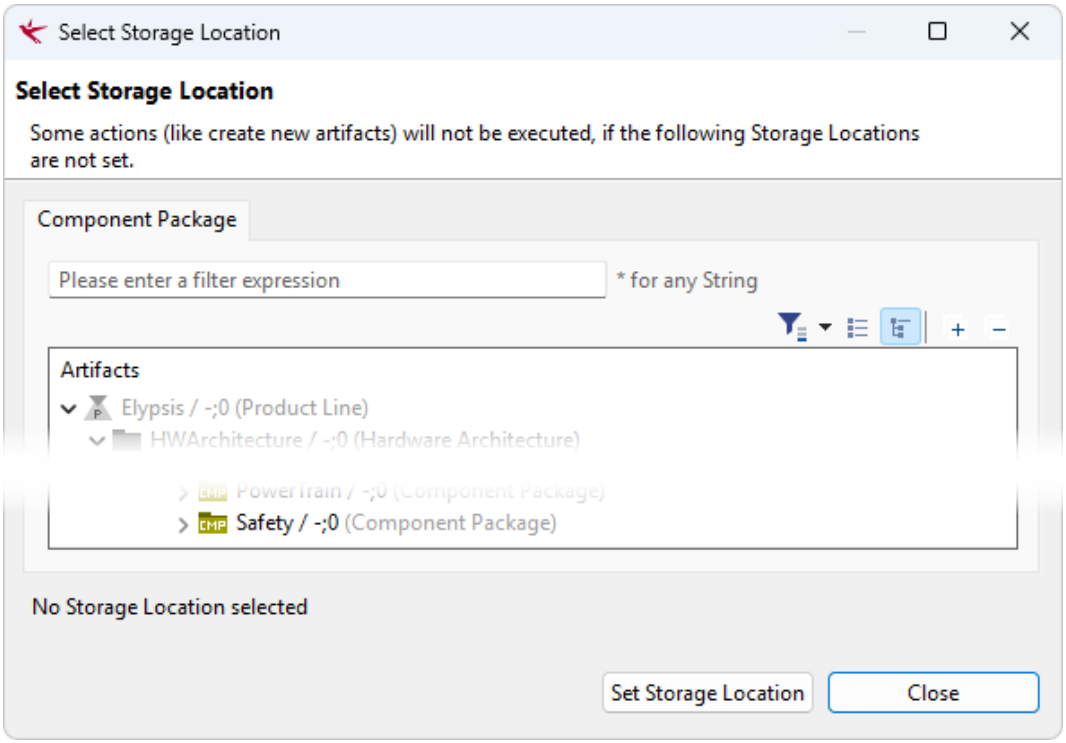
A new option for routing is provided which allows the *Core*s and *Shielding*s to be routed separately, independent of how many *Branch-Off*s exist before the routing targets. This means that the *Core*s and *Shielding*s may be routed in the same way as *Single Wire*s. Since this routing option no longer ensures the integrity of the *Cable*, because *Core*s and *Shielding* are routed to different targets, *Core*s and *Shielding* may not share a common routing path through the *Geometry* anymore.

2.3.5 Usability

Storage locations for artifacts

To improve clarity, the terminology that is used for defining storage locations for artifacts has been updated. The updated terminology is consistently applied throughout the user interface, documentation, and underlying source code.

New name	Previous name
Storage location	Workspace
Preferred storage location	Preferred package



Performance improvement

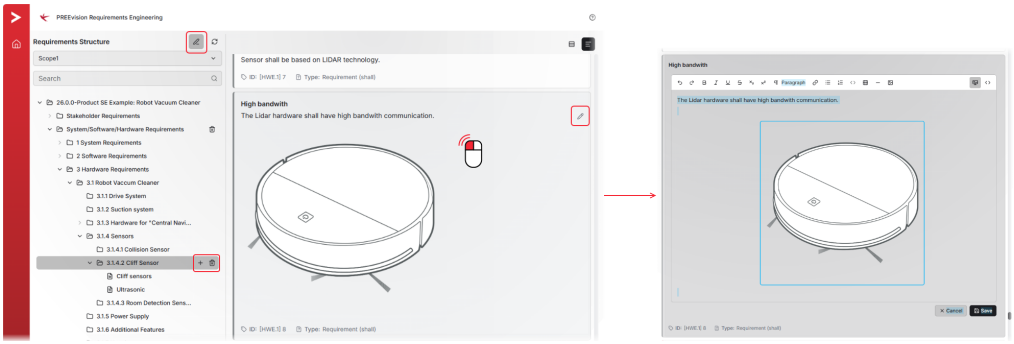
For the first startup of the PREEvision client, the performance has been improved. Files are downloaded twice as fast as before.

2.3.6 Requirements web client

Requirements web client improvements

The requirements web client provides the following improvements:

- Direct navigation to linked requirements.
- Advanced handling of custom attributes within tables.
- Modeling requirement structures by adding, deleting or rearranging requirements.
- Editing formatted text, for example, the **Description** of a requirement. Editing is only possible if the description does not contain placeholders.
  To activate the edit function, contact the support.



2.4 Changes

Storage locations for artifacts

To improve clarity, the terminology that is used for defining storage locations for artifacts has been updated. The updated terminology is consistently applied throughout the user interface, documentation, and underlying source code.

Previous name	New name
Workspace	Storage location
Preferred package	Preferred storage location

Administration views

To improve clarity, the terminology used for the different **Administration** views has been updated. The updated terminology is consistently applied throughout the user interface, documentation, and underlying source code.

Previous name	New name
Model Management	Model Administration
User Management	User Administration
License Server Management	License Server Administration

PREEvision login screen

The **[Start]** button on the PREEvision login screen has been renamed to **[Open]**.

2.5 Configuration information

Model management

In PREEvision 26.4, the *Configuration Management* is replaced with the *Model Management* that introduces a changed model structure as well as new meta classes.

After an update to PREEvision 26.4, you must update custom configurations that use meta classes from the former *Configuration Management*:

The following meta classes have been deprecated and must no longer be referenced:

- `MMainHeadPart` is replaced with the new meta class `MPart`.
- `CMMProductLinePackage` is replaced with the new meta class `MProductLinePackage`.
- The `Stage` no longer contains `MProductLinePackage`. `MProductLinePackage` is now contained in the `MProductLinePackageHierarchy`.

To update custom configurations, the following steps are recommended:

- **Rules:**
  Rules that reference deprecated meta classes cannot be generated. The **Information View** reports and them in the error category "Deprecated Meta Class" and lists the affected rule *Object*s as well as the deprecated meta classes. Change the **Classifier**s of the affected rule *Object*s to the new meta classes and generate the modified rules.
- Metric *Source Code*s: In the **Model View**, use the search field and enter the following search expression: `class:SourceCode;code:*aquintos.mm.cmm*`. Edit the found *Source Code*s and change the referenced meta classes.
- *Meta Class Authority Proxies* and configuration files: On the administration, execute the following check via the context menu: **Metrics | Migration Support | Find configuration artifacts with invalid metaclass configuration**.
  To update the references to the *Product Line Package* meta class in meta class authority proxies and in configuration files, you can use the following helper via the context menu:
  Metrics | Migration Support | Migration 26.4 | Updating Product Line Package Meta Class for Meta Class Authority Proxies and Files

Storage location

To improve clarity and usability, the terminology used for defining artifact storage locations has been updated.

- workspace has been renamed to storage location
- preferred package has been renamed to preferred storage location

Your custom metric *Source Code*s can be affected by the change if you reference workspace classes. Existing metric *Source Code*s that contain workspace references cannot be compiled and must be updated.

To update workspace references in your metric *Source Code*s:

1. Select the **Metric Model**.
2. Open the context menu and select:
   Metrics | Migration Support | Migration 26.4 | Update Workspace References in Metrics.

Workspace references are updated, if possible, and the result is reported in the **Information View**.

3. Recompile all modified *Source Code*s.

New metric blocks

The following metric blocks have been introduced:

Block and category	Changes
Franca IDL Import Category: **Communication**	The *Franca IDL Import* block can be used for an automated import of service interfaces and data types contained in FIDL files. Required inputs (*Data Target Port*s): > "sourcePath" (data type: `String`) Path to the Franca IDL file to be imported. Output (*Data Source Port*): > "status" (data type: `IStatus`) Returns the status of the process after the import. > "importedElement" (data type: `List<MDFObject>`) Returns the imported data.
Franca IDL Export Category: **Communication**	The *Franca IDL Export* block can be used for an automated export of service interfaces and data types into a FIDL file. Required inputs (*Data Target Port*s): > "export Elements" Artifacts to be exported into a Franca IDL file. Possible meta classes: > *Service Interface* > *Data Type Package* > "exportFile" (data type: String) Path and filename of the Franca IDL export file. Optional inputs (*Data Source Port*s): > "overwrite" (data type: `Boolean`) Possible values: > `true`: An existing export file with the same name is overwritten without warning. > `false`: An error is reported if an export file with the same name already exists. Default value: `false` > "profile" (data type: `MCustomAttributeProfile`) The profile is used to determine the custom attribute profile to be considered by the export. Output (*Data Source Port*): > "status" (data type: `IStatus`) Returns the status of the process after the export.

Changed metric blocks

The following metric blocks have been changed:

Block and category	Changes
ReqIF Agreement Export Category: **Product Goals**	The *ReqIF Agreement Export* block has been extended with a new output port (*Data Source Port*) "agreementRootOutermost" (data type: `Object`). The port provides the original export context of the exported artifacts to a connected *ReqIF Export* block. The *ReqIF Export* block can thus determine the origin of the exported artifacts. For executing a ReqIF agreement export, the connection between the "agreementRootOutermost" port of the *ReqIF Agreement Export* block and the "originalOutermostPackage" input port of the *ReqIF Export* block is mandatory.
Variant Propagation Category: **Variant Management**	The *Variant Propagation* block can only be executed successfully if the target set ("targetSet" port) is contained in the active variant. If the target set is not contained in the active variant, execution fails and an error message is reported.
Get Storage Location Category: **Common**	The *Get Workspace* block has been renamed to *Get Storage Location*.
Get Storage Location Category Category: **Common**	The *Get Workspace Category* block has been renamed to *Get Storage Location Category*.
Reset Storage Location Category: **Common**	The *Reset Workspace* block has been renamed to *Reset Storage Location*.
Set Storage Location Category: **Common**	The *Set Workspace* block has been renamed to *Set Storage Location*.

Metric API: Configuration Management classes deprecated

Since the *Model Managment* replaces the *Configuration Management*, the following class of the metric API has been changed:

`vi.mdf.nodsl.modeling.modelaccess.IBaseline` has been renamed to `vi.mdf.nodsl.modeling.modelaccess.IHistoricalModel`.

Size limitation for loading and changing the version of an artifact

When loading or changing the version of an artifact, the transfer of the artifact's subtree uses a serialization format that is limited to a size of 2 GB. This corresponds to 9.4 million artifacts or relations. The maximum size refers to the selected artifact and its subtree, as well as additionally required external types and their relations.

Take this limitation into account when you structure the model, so that the affected actions run successfully for your use cases.

The following actions are affected by the size limitation:

- *Asset* update

- replace with version
- replace with selected version
- restore selected version
- reuse historical version
- update *Asset* to historical version in checked-in *Product Line* (customer-specific action)
- load *Product Line* in read-only mode (customer-specific action)
- compare against historical version
- compare for reuse inconsistencies

Other actions are not affected, for example:

- loading the (full) model and updating the model
- loading the scope
- backup and restore
- migrating models
- using *Asset*s

PREEvision provides performance monitoring measurement points to observe the utilization if the serialization format is used.

2.6 Fixed issues

Fixed issues in PREEvision 26.4

You will find the important fixed issues in the following tables. Please note that some issues depend on specific configurations, views, or models.

Further information

- Common
- Diagrams
- Tables
- Requirements
- Logical function architecture
- AUTOSAR
- Communication
- Hardware architecture
- Product line engineering
- Variant management
- Change and release management
- Rules
- Metrics
- Administration
- Installation
- License

2.6.1 Common

ID	Resolution
9082950154277672039	If you select an artifact in the **Search** result view, the artifact is also selected in the **Model View**.
9082950154561342062, 9082950154574260123	After a drag and drop action of an artifact, the selection propagation was not executed correctly. The selection propagation properly works again.
9082950154324142111	PREEvision no longer shuts down unexpectedly when opening diagrams which contain invalid or improperly handled image resources.
9082950154705862105	The problem which has caused an interruption of the loading process when loading large models of PREEvision clients in installation mode has been resolved.

2.6.2 Diagrams

ID	Resolution
9082950154535252099	JFace fonts used in PREEvision editors, for example diagrams, are no longer removed and thus no longer cause errors when opening an editor.

2.6.3 Tables

ID	Resolution
9082950154588952048	If access rights deny the deletion of artifacts, executing the delete action of a table cell does not remove the artifact from the table.
9082950154538212105	After you have edited formatted text attributes in table cells, the changes are saved correctly when you exit the table cell.
9082950154567913088	The error that occurred when opening an explorer or a table has been resolved. The error occurred in case the editor has been closed or rebuilt while the table content was still being calculated.
9082950154850652050, 9082950154800961031	Tables in tree mode now display artifacts whose parent artifact is hidden by the metaclass filter at the top level, instead of hiding them.

2.6.4 Requirements

ID	Resolution
9082950154607601030	Requirements web client: Access rights defined in the authority model are now considered in the requirements web client.
9082950154574890064	The performance of displaying formatted text when opening the **Requirement Text Editor** for the first time after the PREEvision installation has been improved. Only loading formatted text from the server is still more time consuming.

2.6.5 Logical function architecture

ID	Resolution
9082950154469472042	Adding a *Logical Function* to an *Activity Chain* in a *Logical Architecture System Diagram* sets the relation between *Activity Chain* and the *Logical*

ID	Resolution
	Function. Removing a *Logical Function* from an *Activity Chain* removes the relation.

2.6.6 AUTOSAR

ID	Resolution
9082950154429771808	AUTOSAR export: For IPDUs, the attribute **Offset** is now converted from the bits representation in PREEvision to bytes when exporting to AUTOSAR. On AUTOSAR import, the bytes representation is converted to bits.
9082950154706221045	AUTOSAR export: The option **Add parent artifacts automatically** for exporting variants is removed for all PREEvision exports. Since parent artifacts are added to the export of active variants anyway, the option was obsolete.
9082950154655201912	AUTOSAR export: On export, `MetaDataItem`s are sorted descending by **Length** according to AUTOSAR constraint 1726.
9082950154608031045	AUTOSAR export: You can now include *Evaluated Variant*s as AUTOSAR variant structures in exports of active variants. The selected *Evaluated Variant*s are exported regardless of whether they belong to the active variant. In the export wizard, both options **Export only active variant** and **Export AUTOSAR variants** can be activated at the same time.
9082950154363431807	AUTOSAR import: When importing a client server port, both call and return signals are imported and assigned to the port as **Selected Signals**. This modeling is expected by the signal router.
9082950154347761807	AUTOSAR import: During import, port-to-transmission mappings are created both for call and return signal transmissions of client-server operations. The mappings created are linked to the correct client or server port.
9082950154347761807	AUTOSAR import: The import creates *Required Port to Transmission Mapping*s and *Provided Port to Transmission Mapping*s for call and return signal transmissions of client-server operations. The mappings are linked to the respective client or server port.

2.6.7 Communication

ID	Resolution
9082950154429771808	For IPDUs, the attribute **Offset** is now converted from the bits representation in PREEvision to bytes when exporting to AUTOSAR. The AUTOSAR import converts the bytes representation to bits.

2.6.8 Hardware architecture

ID	Resolution
9082949058422401029	In the **Property View** of wires, for example *Single Wire*s or *Core*s, the connected *Contacting*s are displayed on the **Connected Pins in Wiring Harness** property page in an extra column of the **Pins** table.
9082950129649952083	Diagram-based KBL export: For a KBL export with propagation and a KBL export with propagation and consistency check, the *Propagate Definition*s of the dedicated metrics have been consolidated and updated.
9082950154599133104	Wiring harness routing: When routing wires through *Topology Inline Connector*s in a *Geometry*, not yet available *Wiring Harness Inline Connector*s including *Wiring Connector*s and the corresponding mappings are created. The mappings for the newly created *Wiring Connector*s are now assigned to the same variant as the mappings for the *Wiring Harness Inline Connector*s.
9082950154429772045	Wiring harness routing: A new routing option in the wiring harness router is provided which allows the *Core*s and *Shielding* of a *Cable* to be routed separately, independent of how many *Branch-Off*s exist before the routing targets. This means that the *Core*s and *Shielding* may be routed in the same way as *Single Wire*s. Since this routing option no longer ensures the integrity of the *Cable*, because *Core*s and *Shielding* are routed to different targets, *Core*s and *Shielding* may not share a common routing path through the *Geometry* anymore.
9082950154510851037	Creating a *Wiring Connector* in a *Wiring Diagram* via the palette is identical in its result as creating a *Wiring Connector* via the **Create missing Wiring Connectors** refactoring. If a *Wiring Connector* is created with *Slot*s and *Cavities*, pin *Contacting*s are created and assigned to the wires.

ID	Resolution
9082950154783852083	In the "Wiring Harness Demo Model" *Product Line* in the PREEvision demo model, the old Vector logo has been updated with the new Vector logo to comply with the new corporate design.

2.6.9 Product line engineering

ID	Resolution
9082950154538052105	PREEvision no longer runs into memory limits when updating the local model cache for very large partial models. Previously, check-in operations and the creation of baselines for *Asset*s could cause the client to run out of memory and crash. In some cases, users had to delete the client cache before the model could be loaded again.

2.6.10 Variant management

ID	Resolution
9082950154705481030	Dereferencing artifacts from the *Variation Point Set* of the selected context in the **Post-Build Variant Conditions** table of the **Variant Explorer** now works correctly.
9082950154735333104	The *Variant Propagation* metric block now displays a proper error message if the target *Set* is not part of the active variant.

2.6.11 Change and release management

ID	Resolution
9082950154429882024	Review and vote: In case an *Agreement Task* contains *Agreement Task Item*s that refer to the same artifact, an appropriate error message is displayed.

2.6.12 Rules

ID	Resolution
9082950154739102102	The pop-up bar is now properly displayed on rule objects in all rule diagrams.

ID	Resolution
9082950154468342102	The problem which has led to the unnecessarily displayed logfile messages "Detected Consistency Rules with Duplicate Alias-Name" in case of reused *Consistency Rule*s has been resolved.

2.6.13 Metrics

ID	Resolution
9082950154612020123	The error which prevented opening a metric diagram has been resolved.
9082950154508531788	The generic link handling API is now part of Metric API.

2.6.14 Administration

ID	Resolution
9082950154735011995	The **Configuration Without Add-in Reference Analyzer** now has its own icon and can be opened via the **Open with | Administration | Add-ins** context menu of a subtree root of the *Administration*.
9082950154735021995	Two variants of the **Configuration Without Add-in Reference Analyzer** are now available. The "Add-in only" variant returns artifacts of the analyzed subtree of the *Administration* that are not referenced by *Add-in*s. The "All types of Add-ins" variant returns artifacts that are not referenced by any *Add-in* type (*Add-in*, *Demo Add-in*, *Test Add-in*, or *Obsolete Add-in*).
9082950154316163104	The *Model Management Administration* is only visible in the **Model View** when both options, **Show Model Management** and **Show Administration**, are selected in the view menu.

2.6.15 Installation

ID	Resolution
9082950154598742203	During the installation of the monitoring infrastructure services for Linux, no error messages are reported.

2.6.16 License

ID	Resolution
9082950154449751808	The PREEvision KeyCollector (`PREEvisionKeyCollector.bat`) now uses the correct Java path.

2.7 Known issues

Known issues in PREEvision 26.4

You will find the important known issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Known issue
8682711555165912106	ReqIF export: For empty attributes, the string defined in the **Text for empty Labels** property is exported instead of an empty string. By default, this is "---". **Workaround:** In the **Preferences**, under **PREEvision | General**, remove all characters from the **Text for empty Labels** property.
9082949059821032062	During KBL export with propagation, more artifacts are exported than were propagated. This is caused by an issue in the export framework. For example, it is currently not possible to export only a specific *Connector Location* if its *Installation Location* is part of the propagated artifacts, since all contained *Connector Location*s are exported. The exported KBL file however is valid.
9082949059853333059	When comparing two artifacts, in the **Compare** perspective one of the **Property View**s of the artifacts to be compared is, in some cases, not displayed in compare mode. **Workaround:** Close the **Compare** perspective and execute the artifact compare again.
9082949059891171896	Artifacts that have been unloaded from the temporary scope are kept in memory. **Workaround:** Commit the model to remove artifacts of the temporary scope from memory.
9082950129724501783	In some cases, when a *Report* includes a *Report Module* with double spaces at the end of the *Report Module*, the spaces are not maintained.
9082950154143081804	Filtering and selecting artifacts via metric in a table is not working correctly. The filter is not applied even though the table indicates that a filter is active.
9082950154113631867	If the data type of an *Attribute Definition* is changed during an AUTOSAR software component update, for example by changing the value from integer to long, the existing data type of the *Attribute Definition* in the model is deleted and replaced by the new data type. Expectation: The existing data type should not be deleted, and the new data type used by the *Attribute Definition*.

ID	Known issue
9082950154877021030	When signing in via OpenID Connect, the **Head Model Transformation** page in the administration panel is not displayed correctly. As a result, the transformation action is unavailable, even if a head model transformation is required. Instead, the following message is displayed: "No model currently needs a head model transformation." **Workaround**: Log in using the simple authentication method to access the **Head Model Transformation** page and execute the transformation.
9082950154889863077	After closing PREEvision via the **Task-Manager** or after a PREEvision crash, orphaned `vText.dll` files may remain and prevent editing of formatted texts, or creating reports after PREEvision has been restarted. **Workaround**: > Close the remaining `vText.dll` file via the **Task-Manager** and restart PREEvision, or > restart your computer.
9082950154543292112	The Java development community has identified a rare Java Runtime issue that can cause Java applications to terminate unexpectedly under specific conditions. The issue is publicly documented and has already been resolved by the OpenJDK project. The fix will be included in an upcoming Java release (JDK-8341382). PREEvision clients may be affected in certain environmental conditions, although the exact conditions have not yet been fully identified. We are tracking the resolution of the issue and will provide an updated Java runtime with PREEvision as soon as the corrected release is available.

3 PREEvision 26.3

This chapter contains the following information:

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3.1 Version numbers

Version numbers

Application	Version number
PREEvision client	26.3.0
PREEvision license server	3.1.0
PREEvision database server	26.3.0.05
PREEvision application server	26.3.0

Documentation

Manual	Version number
PREEvision manual	26.3.0
PREEvision configuration manual	26.3.0
PREEvision operating manual	26.3.0
PREEvision migration manual	26.3.0
PREEvision system requirements	26.3.0
PREEvision server API	26.3.0

3.2 Installation and compatibility information



For detailed information about the hardware and software requirements of PREEvision 26.3, refer to the PREEvision system requirements.



For detailed information about the installation of PREEvision 26.3, refer to the PREEvision operating manual.



For detailed information about the migration from PREEvision 10.x to PREEvision 26.3, refer to the PREEvision migration manual.

System requirements

The following system requirements have been changed:

- The recommended version of Apache Tomcat has been changed to 11.0.24.
- Amazon Corretto version 25.0.3.9.1 is provided with the PREEvision client installation. It is recommended to use this version on all server components as well.
- The recommended version of the Subversion server has been changed to VisualSVN Server 5.4.8.
- In the software requirements of the PREEvision client, Microsoft Edge WebView2 x64 has been added.

Requirements web client: OpenID Connect authentication

OpenID Connect authentication can be configured for the requirements web client.

Compatibility

The PREEvision client, the database server and the PREEvision server are only compatible within exactly the same PREEvision version. Using a new client version on a previous server version or a previous client version on a new server version is not supported and may lead to data inconsistencies or data loss.

Client version	Server version	Database server script version	Metamodel change ID
26.0.0	26.0.0	26.0.0.02	2025-11-17
26.1.0	26.1.0	26.1.0.07	2026-04-07
26.1.1	26.1.1	26.1.0.07	2026-04-07
26.1.2	26.1.2	26.1.0.07	2026-04-07
26.1.3	26.1.3	26.1.0.07	2026-04-07
26.1.4	26.1.4	26.1.0.07	2026-04-07
26.2.0	26.2.0	26.2.0.04	2026-06-11
26.3.0	26.3.0	26.3.0.05	2026-07-23

Update and migration

For an update of an existing PREEvision collaboration platform environment, all components with a changed version number in the compatibility table must be updated, which includes:

- PREEvision client
- PREEvision database server script
- PREEvision application on the application server
- PREEvision monitoring server
- PREEvision broker:
  - PREEvision messaging server
  - PREEvision staging server
  - PREEvision administration server
- optional: PREEvision API server
- optional: PREEvision requirements server



For detailed instructions on how to update a PREEvision collaboration platform environment, refer to the PREEvision operating manual, chapter "Update".

3.3 New features in PREEvision 26.3

Further information

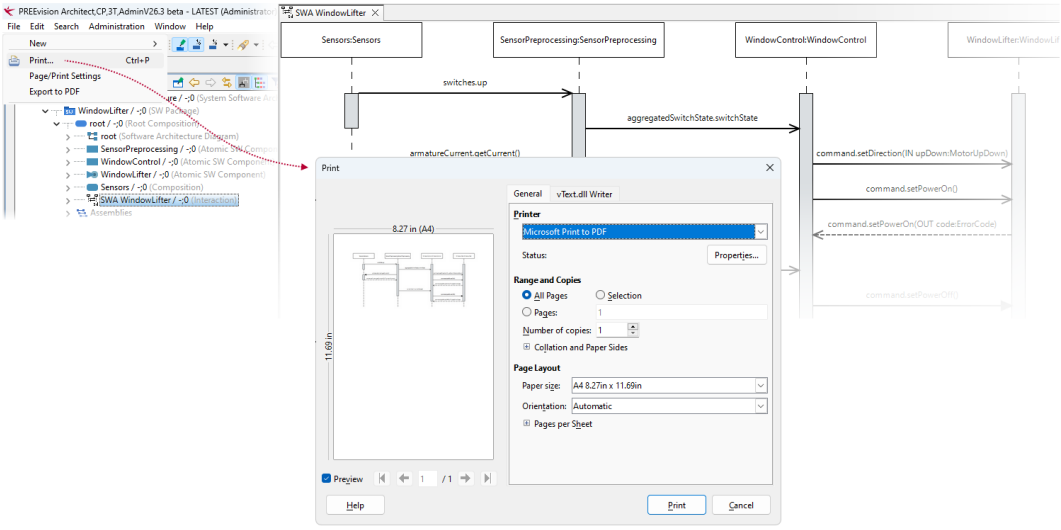
- > Systems engineering
- > Software and diagnostics design
- > Variant management
- > Administration
- > Usability
- > Requirements web client

3.3.1 Systems engineering

Printing sequence diagrams

Sequence diagrams can be printed via menu bar, main toolbar or context menu.

The settings can be adjusted in the **Page/Print Settings** of the preferences.



3.3.2 Software and diagnostics design

Improved export of data types

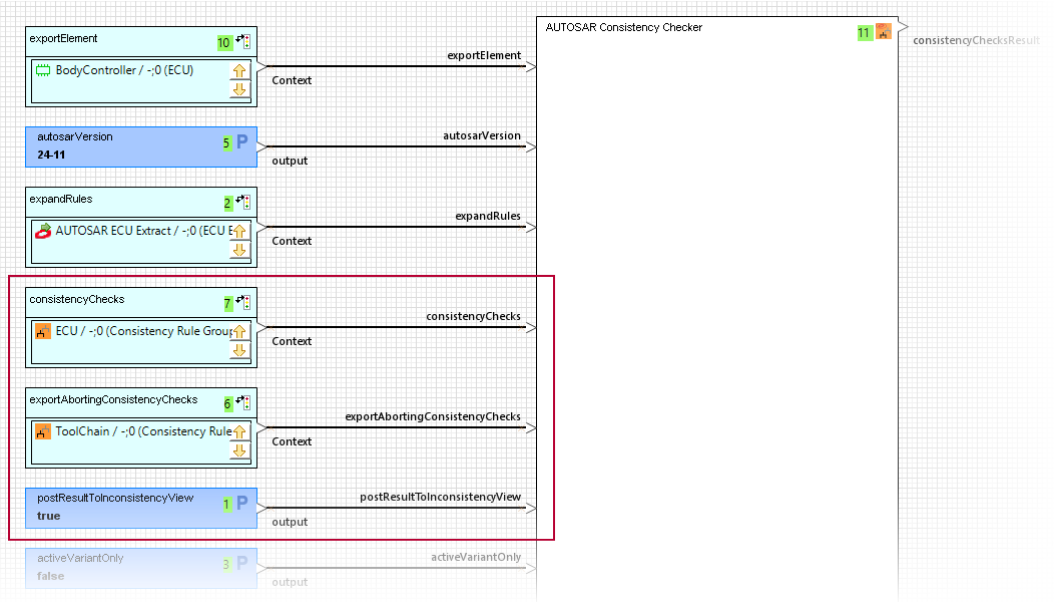
The collection of data types, associated data type mappings and mode request type mappings has been improved for the following exports:

- > AUTOSAR ECU extract
- > AUTOSAR software component description
- > AUTOSAR system description

Only relevant data types and their mappings are exported. For example, for an AUTOSAR software component description, instead of exporting complete data type mapping packages containing system-wide data type mappings and referenced data types, only the application data types that are relevant for the software component are exported.

AUTOSAR consistency automation

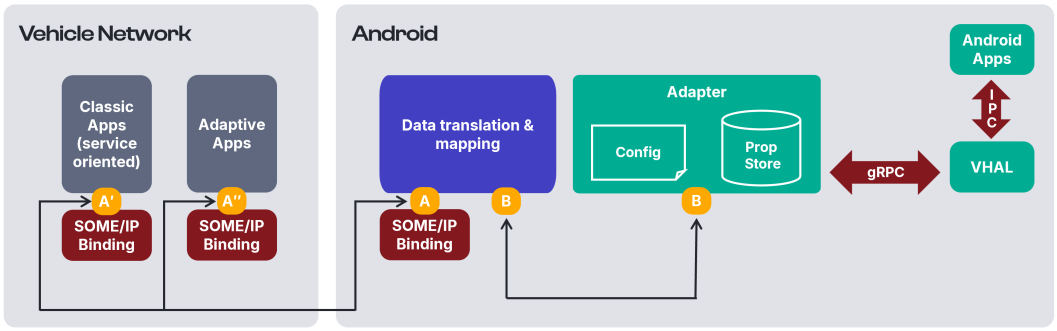
The checking of consistency for exports has been improved. The checks are explicitly executed on the export data. The AUTOSAR Consistency Checker metric block can be used to define which checks can abort the export in case of failure.



The AUTOSAR Export metric block provides the relevant ports also.

Data translation between vehicle data and Android properties

You can now define data translation with mappings to match vehicle data and Android properties. Adaptive software components and service interfaces can be used to describe the software architectures with mixed systems of AUTOSAR and Android. You can easily define the data translation in the **Data Interface Mapping** table.

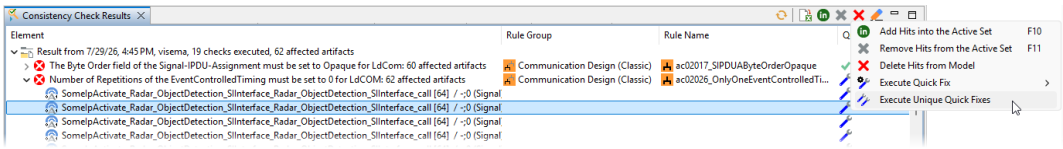


The Android part has no dependencies to MICROSAR and remains stable after vehicle network changes.

LdCom solver

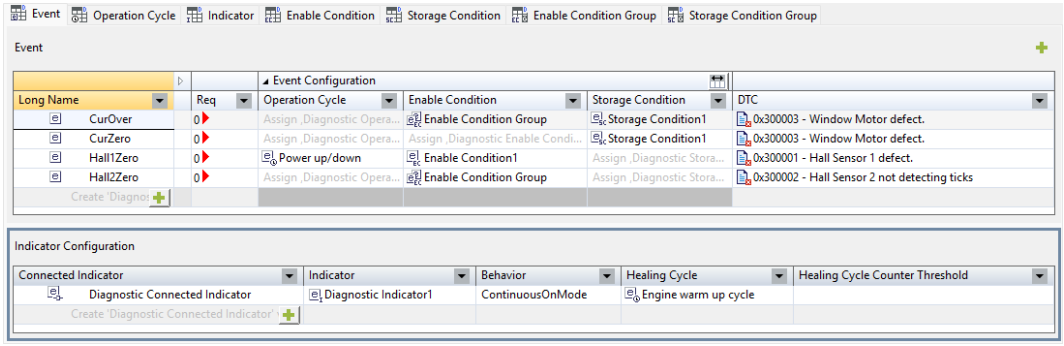
Signals that are meant to be sent via LdCom must fulfil multiple requirements. The Data Transformation Viewer of the **SOA & Ethernet Explorer** provides a button to check signals for LdCom compatibility.

The **Consistency Check Results** view provides quick fixes to fulfil LdCom requirements.

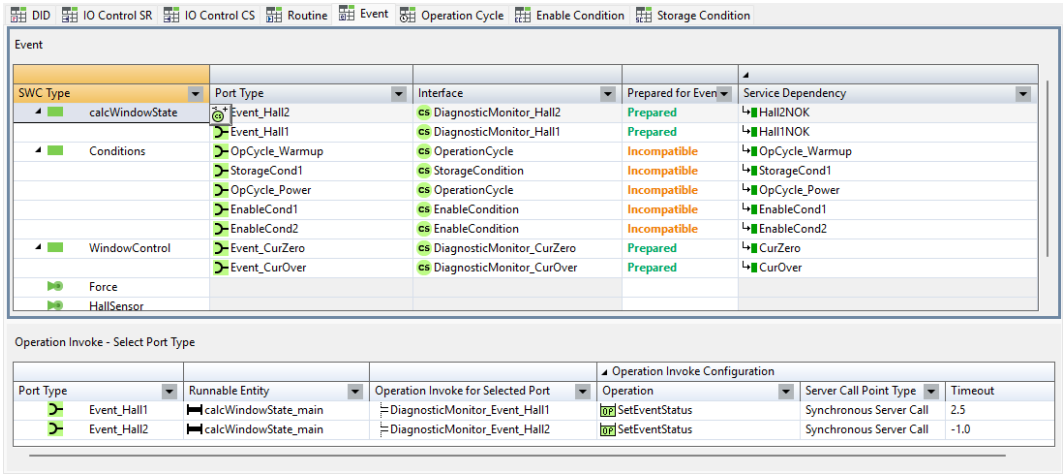


Diagnostic event design

In the Diagnostic Realization Explorer, you can now assign DTCs directly to *Diagnostic Event*s. For the definition of connected indicators, a detailed view is available.



Also, the modeling of event triggered software behavior has been improved. When preparing software types for events, *Operation Invoke* can now be created and edited in a dedicated table.



3.3.3 Variant management

Improvements to the definition of system constants and the VM explorer

When a new literal is defined, it is now automatically associated with the *System Constant* under which it was created. The System Constants and Value Sets table of the **VM Explorer** now offers cell actions for creating literals with the following data types:

- *Application Literal*
- *Character Literal*
- *Double Literal*

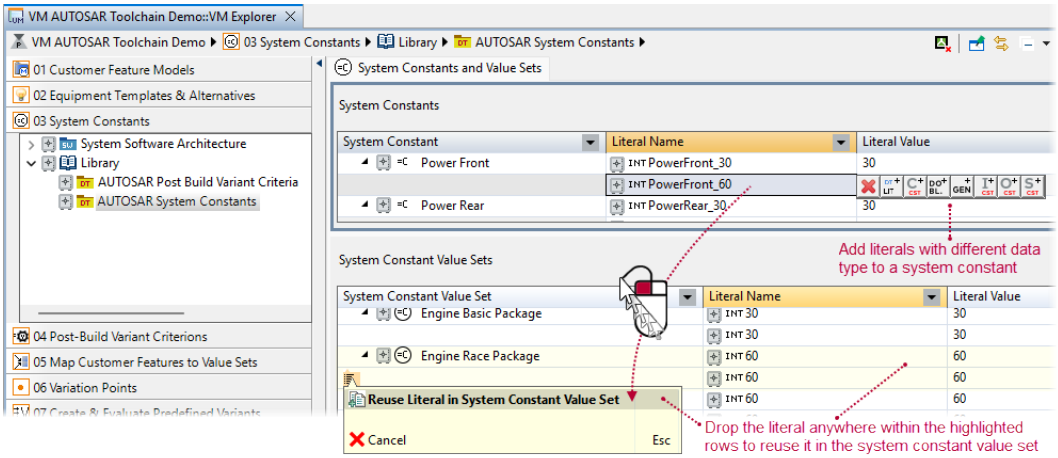
Generic Literal

Integer Literal

Opaque Literal

String Literal

You can now add *System Constant Literal*s to a *System Constant Value Set* by dragging them from the upper **System Constants** table and dropping them anywhere on the respective rows in the lower **System Constant Value Sets** table. These literals are then reused under the *System Constant Value Set*.

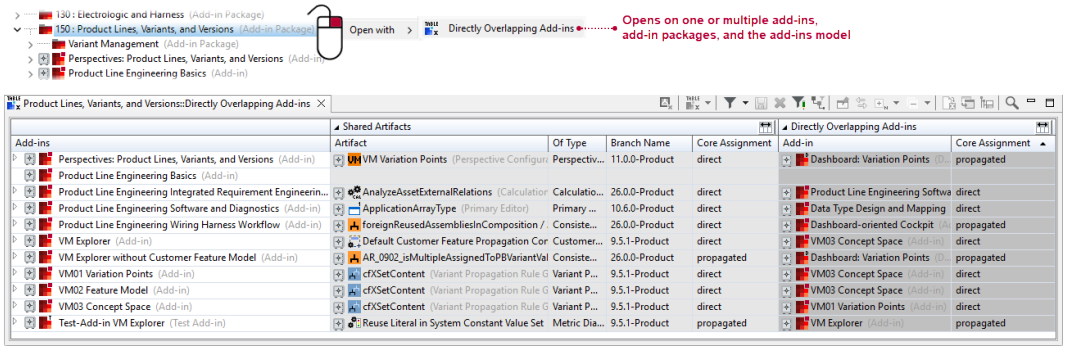


3.3.4 Administration

Determining overlapping add-ins

Before partially delivering *Add-in*s, administrators often want to determine which other *Add-in*s share artifacts with the selected ones. This allows them to update all affected *Add-in*s.

The new **Directly Overlapping Add-ins** table displays information about overlapping *Add-in*s. It distinguishes between direct and propagated assignments of shared artifacts.

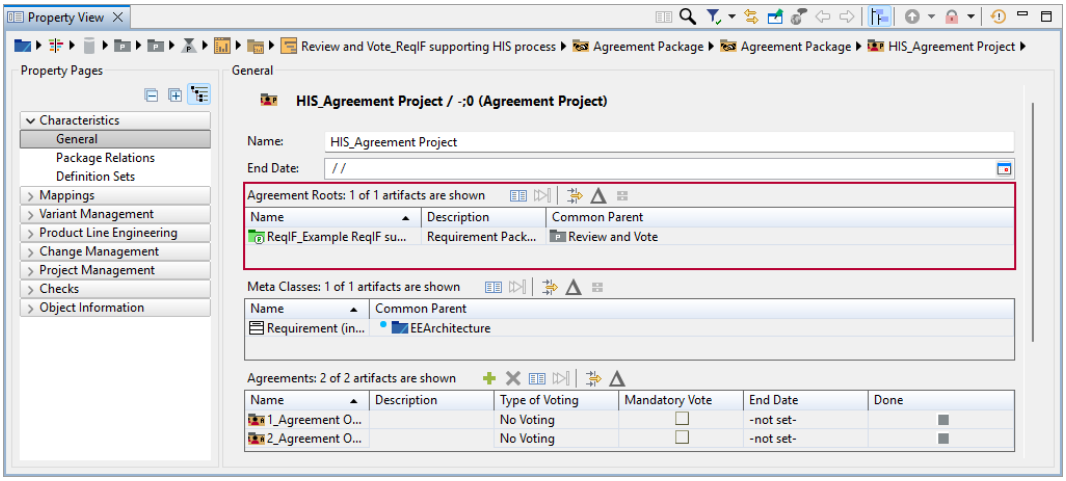


Preferably, open the table only on the *Add-in*s you want to deliver. Opening a table with many overlapping *Add-in*s creates a larger table that takes longer to open and is harder to analyze.

3.3.5 Usability

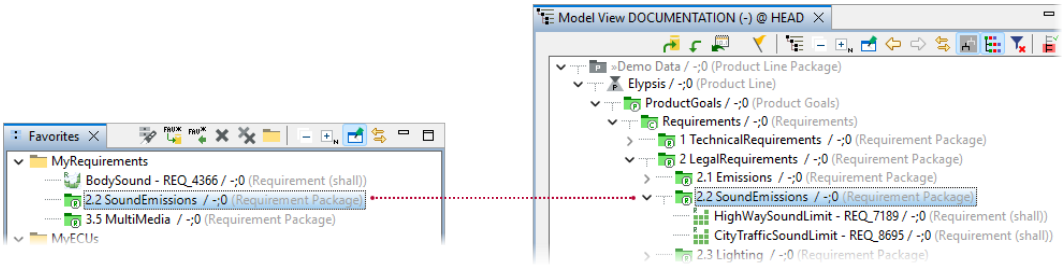
Review and vote: relation "related root artifacts" renamed

The relation between an *Agreement Project* and the agreement context has been renamed to **Agreement Roots**.

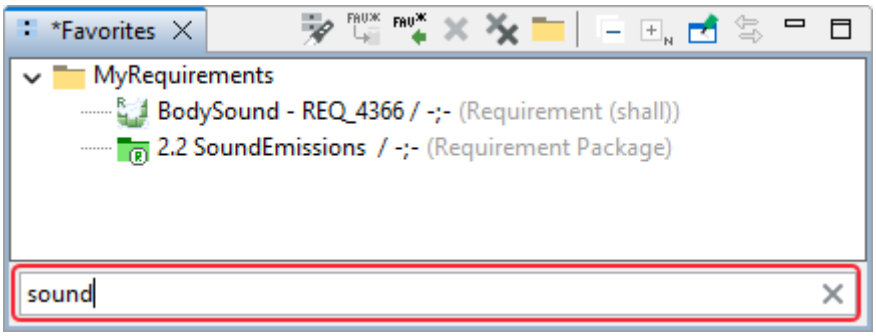


Changes in the favorites view

The Favorites view now displays bookmarked artifacts without their subtree. To display the subtree of a bookmarked artifact, switch to the **Model View** using selection propagation.



To search for folders or artifacts in the **Favorites** view, you can use the type-ahead filter.



3.3.6 Requirements web client

The requirements web client provides the following improvements:

- Login via OpenID Connect
- Improved performance for the display of large requirement structures

> Editing of simple requirement attributes, for example, **Name**. The changes will automatically be committed to the model.

3.4 Configuration information

New metric blocks

The following metric blocks have been introduced:

Block and category	Changes
AUTOSAR Consistency Checker Category: **Communication**	To prepare for an AUTOSAR export, use the *AUTOSAR Consistency Checker* block to run consistency checks on the propagated model without executing the export itself. Configure the block in the same way as the AUTOSAR block. Required inputs (*Data Target Port*s): > "exportElement" (data type: `List<MDFObject>`) Artifact to be exported as ARXML file. > "profile" (data type: `MCustomAttributeProfile`) *Custom Attribute Profile* that determines which custom *Attribute Definition*s are included in the admin data. > "autosarVersion" (data type: `String`) AUTOSAR version. Optional inputs (*Data Target Port*s): > "autosarPackageStructure" (data type: `MVirtualPackageRoot`) Specify the *Virtual Root Package* whose package structure is to be exported. Leave the parameter empty to create the standard AUTOSAR package structure for PREEvision. > "consistencyChecks" (data type: `List<MConsistencyRuleGroup>`) *Consistency Rule Group*s to be executed on the propagated artifacts. Results are reported via the "consistencyChecksResult" *Data Source Port*. > "activeVariantOnly" (data type: `Boolean`) Possible values: >> `true`: Propagate and check only artifacts that are included in the active variant. >> `false` (default): Propagate and check artifacts independent of the active variant. > "expandRules" (data type: `List<Object>`) Provide expand rules depending on the export. Leave the parameter empty of the system description. > "selectedEvaluatedVariants" (data type: `List<Object>`) *Evaluated Variant*s that shall be propagated. This option is only available for system description and ECU extract.

Block and category	Changes
	> "exportAbortingConsistencyChecks" (data type: `List<MConsistencyRuleGroup>`) *Consistency Rule Group*s whose findings cause the export to abort. These findings are marked as export-aborting in the result table. > "postResultToInconsistencyView" (data type: `Boolean`) Possible values: > `true` (default): Consistency check results are reported in the **Consistency Check Results** view. > `false`: Consistency check results are not reported in the **Consistency Check Results** view. Output (*Data Source Port*): > "consistencyChecksResult" (data type: `ITempTable`) Returns a table that contains the results of the executed Consistency Rule Groups ("consistencyChecks" and "exportAbortingConsistencyChecks" *Data Target Port*s). The table includes: > the affected artifacts. > the rule severity. > the rule description. > the *Consistency Rule*. > the information on whether the result would abort the export.

Changed metric blocks

The following metric blocks have been changed:

Block and category	Changes
AUTOSAR Export Category: **Communication**	The *AUTOSAR Export* block has been extended to support the execution of consistency checks ensuring data consistency for AUTOSAR exports. New optional inputs (*Data Target Port*s): > "consistencyChecks" (data type: `List<MConsistencyRuleGroup>`) *Consistency Rule Group*s to be executed on the propagated artifacts. Results are reported via the "consistencyChecksResult" *Data Source Port*.

Block and category	Changes
	> "exportAbortingConsistencyChecks" (data type: `List<MConsistencyRuleGroup>`) *Consistency Rule Group*s whose findings cause the export to abort. These findings are marked as export-aborting in the result table. > "postResultToInconsistencyView" (data type: `Boolean`) Possible values: > `true` (default): Consistency check results are reported in the **Consistency Check Results** view. > `false`: Consistency check results are not reported in the **Consistency Check Results** view. New output (*Data Source Port*): > "consistencyChecksResult" (data type: `ITempTable`) Returns a table that contains the results of the executed Consistency Rule Groups ("consistencyChecks" and "exportAbortingConsistencyChecks" *Data Target Port*s). The table includes: > the affected artifacts. > the rule severity. > the rule description. > the *Consistency Rule*. > the information on whether the result would abort the export.

Metric utilities: ID Link handling

ID Links are now automatically coupled with their Historical Context Link if the Historical Context Link target is in a *Historic Model State*.

Example: Creating and coupling the `taskMatter` ID Link with the `agreementRoots` Historical Context Link

```
ExampleMetric {
  ISegueFactory factory = headOutermost.getSegueFactory();

  // Create and set Context Link Segue (if not already set)
  // The target may be part of a baseline
  ContextLinkSegue contextLinkSegue =
    factory.createContextLinkSegue(requirementPackage);
  agreementProject.getAgreementRoots().add(contextLinkSegue);

  // Create and set Id Link Segue
  IdLinkSegue idLinkSegue =
    factory.createIDLinkSegue(requirement);
```

```
  // MDF decides between coupled (cross-time)
  // and uncoupled (same-time)
  // and creates the coupling between Id Link and Context Link
  agreementTaskItem.setTaskMatter(idLinkSegue);
}
```

Metric utilities: Missing methods due to obfuscation

The method `IPlaceholderContextUpdater.createMissingReferencedMetaattributes(List<MDataContextOwner>, boolean)` is no longer available.

Two new Metric API methods have been added:

- `PlaceholderUtil.createMissingReferencedMetaattributes(List<MDataContextOwner>)`
- `PlaceholderUtil.createMissingReferencedMetaattributesIncludingSubtrees(List<MDataContextOwner>)`

The method `DocumentUtil.parseDocument(byte[])` is no longer available. Use of `OOoDocumentUtil.parseDocument(byte[])` is tolerated, but not part of the stable Metric API.

Metric utilities: Extended `ReviewAndVoteUtil`

The `ReviewAndVoteUtil` (`vi.mm.planning.modeling.util.reviewandvote.ReviewAndVoteUtil`) has been extended to fit more use cases. The metrics for review and vote available in the product delivery use the new functions and are now much smaller and more readable. Customizing should also use the new opportunities provided by the `ReviewAndVoteUtil`.

New Methods (Javadoc available for all methods):

```
public static void updateAgreementProjectMetaClassesResponsible(
  Collection<MMetaClassAuthorityProxy> metaClasses,
  MHumanResource responsible,
  MAgreementProject agreementProject);
public static MProject createReviewProject(MPlanningPackage
planningPackage, String projectName);
public static Optional<MProject>
findExistingProject(MPlanningPackage planPackage, String
expectedProjectName);
public static Optional<MAgreementProject>
findExistingAgreementProject(MAgreementPackage agreementPackage,
List<MDFObject> agreementRootsToFind);
public static Optional<MAgreementPackage>
findAgreementPackage(Collection<MAgreementPackage>
agreementPackages, String expectedPackageName);
public static MAgreement createAgreementStructure(
  MHumanResource responsible,
  MAgreementProject agreementProject,
  MVoteCountingType voteCountingType,
  boolean compulsoryVote);
public static MAgreement createAgreementProjectStructure(
```

```
  MHumanResource responsible,
  Collection<MMetaClassAuthorityProxy> metaClasses,
  MAgreementPackage agreementPackage,
  List<MDFObject> source,
  MVoteCountingType voteCountingType,
  boolean compulsoryVote);
public static MAgreement createAgreementPackageStructure(
  MProject project,
  MHumanResource responsible,
  Collection<MMetaClassAuthorityProxy> metaClasses,
  List<MDFObject> source,
  MVoteCountingType voteCountingType,
  boolean compulsoryVote);
public static void Set<MAgreementTask>
createMissingAgreementTasks(List<MDFObject> participants,
MAgreement agreement, IProgressMonitor monitor);
public static void
setStatusSet(MAbstractAssociatesTypeDefinitionPoint
definitionPoint, MTypeDefinitionSet statusSet, String
enumClickControlId);
```

Size limitation for loading and changing the version of an artifact

When loading or changing the version of an artifact, the transfer of the artifact's subtree uses a serialization format that is limited to a size of 2 GB. This corresponds to 9.4 million artifacts or relations. The maximum size refers to the selected artifact and its subtree, as well as additionally required external types and their relations.

Take this limitation into account when you structure the model, so that the affected actions run successfully for your use cases.

The following actions are affected by the size limitation:

- *Asset* update
- replace with version
- replace with selected version
- restore selected version
- reuse historical version
- update *Asset* to historical version in checked-in *Product Line* (customer-specific action)
- load *Product Line* in read-only mode (customer-specific action)
- compare against historical version
- compare for reuse inconsistencies

Other actions are not affected, for example:

- loading the (full) model and updating the model
- loading the scope
- backup and restore
- migrating models
- using *Asset*s

PREEvision provides performance monitoring measurement points to observe the utilization if the serialization format is used.

3.5 Fixed issues

Fixed issues in PREEvision 26.3

You will find the important fixed issues in the following tables. Please note that some issues depend on specific configurations, views, or models.

Further information

- Common
- Diagrams
- Tables
- Requirements
- AUTOSAR
- Product line engineering
- Variant management
- Rules
- Metrics
- Reports
- Collaboration
- Administration
- Installation
- Backup, restore, and migration

3.5.1 Common

ID	Resolution
9082950154335041804	When starting the PREEvision client, the message "Rich-Text/Report-Render-Engine has encountered a problem." is not displayed anymore.
9082950154429682039	The **Property View** remains functional if elements in a diagram, for example a table, are selected.
9082950154444822101	Icons in `*.svg` format are displayed correctly.
9082950154474312099	After a project has been closed and reopened, the **Property View** is displayed correctly.
9082950154323931995	The response time of the **Artifact Picker** has been improved because the **Artifact Picker** searches only in the relevant model part and not in the whole scope.

3.5.2 Diagrams

ID	Resolution
9082950154279722083	The font for the horizontal and vertical coordinates of a *Section* in a diagram can be set and edited via the **Property View** of the *Section* on the **Section Properties** property page. Note: When setting very large font sizes, the *Section* will not be adjusted accordingly, and the numerical and alphabetical coordinates may overlap the coordinates borders of the *Section*.
9082949855572872062	The resize handles of label boxes in a diagram are displayed in a straight way, like their corresponding connection. They snap to the horizontal or vertical grid.
9082950154366852039	The stability while exporting multiple diagrams to PDF has been improved.

3.5.3 Tables

ID	Resolution
9082950154334783090	When a table is closed or disposed, its listeners are removed immediately, preventing PREEvision from freezing during shutdown while the table is still closing.
9082950154316150123	The execution order of table actions has been improved so that *Edit Event Queries* are always executed last.
8682711687395552041	When a predefined table filter is opened on a table column whose table cells contain text with line breaks, the filter now displays the complete text of the table cells ignoring the line breaks.
9082950154520191808	The errors which occurred when opening an explorer or table have been resolved. The errors occurred if the editor was closed or rebuilt while the table content was still being calculated.
9082950154379570064	If in the Windows display settings a scaling has been selected that is different from 100%, the preview of formatted text is displayed with the correct resolution.
9082950154356913056	Tables can be filtered by activating an area of responsibility.

3.5.4 Requirements

ID	Resolution
9082950154408412101	ReqIF export: The export correctly converts a rare data constellation including default values for enumeration attributes and no longer creates schema invalid files for this constellation.
9082950154431292105	The toolbar remains hidden when comments are created in **Requirement Text Editor**.
9082949855620681783	ReqIF export and Excel export: The performance for converting formatted texts containing placeholders that reference attribute values that have been added via an *Attribute Definition* has been improved.
9082950154579181261	Requirements web client: Formatted text is displayed correctly even if no HTML preview is available.
9082950154429772105	ReqIF import: The import correctly updates artifacts that are marked with a suspect links indicator.

3.5.5 AUTOSAR

ID	Resolution
17938307004092040, 9082947084956641804, 17938305261512108	AUTOSAR ECU extract, system description and software component description export only the data types and mapping information that are used within the exported data.
9082950154243911024	AUTOSAR ECU extract: The transformation has been corrected for reliable execution.
9082950129774671030	The following *Consisteny Check*s have been corrected: > "tcc34004_DoIPTpConnection_with_the_Same_Sender" > "tcc34004_DoIPTpConnection_with_the_Same_Receiver"

3.5.6 Product line engineering

ID	Resolution
9082950154411281027	The **External Relation Analyzer** will no longer close unexpectedly when analyzing to-one relations that reference target artifacts which are parents of artifacts outside the active *Scope*.

3.5.7 Variant management

ID	Resolution
9082950154451821917	The generation of *Variant Propagation Rule*s has been improved to automatically handle specific rule changes.

3.5.8 Rules

ID	Resolution
9082950154362641868	The *Consistency Rule* "Analyze compatibility of links to objects" has been improved to correctly handle *Image Link Pair*s.

3.5.9 Metrics

ID	Resolution
9082950154340023056	The *Open Directory Dialog* block opens a dialog for selecting a folder path if an empty string is passed as input.
9082950154289251791	When developing metric source code in the metric editor, local inner classes are no longer displayed as "not supported".
9082950154376722024	The error text displayed for exceptions or errors in a *Loop Block* has been adjusted to reflect changes in Eclipse functionality.
9082950154398442098	Resolving *Attribute Definition*s in metrics is now faster when executed during a large model operation, for example, an *Asset* update.
9082950154357481027	The metric editor no longer incorrectly reports supported Java types as unsupported.
9082950154447581848, 9082950154446570000	Automated metric execution is now possible in environments that do not have the Microsoft Edge WebView2 browser runtime installed.

3.5.10 Reports

ID	Resolution
9082950154342023104, 9082950154377750123, 9082950154543262112	The stability of generating reports has been improved. Race conditions in the formatted text engine are properly handled.

3.5.11 Collaboration

ID	Resolution
9082950154380011993	An issue has been resolved that caused the model to take a very long time to load.
9082950154369021993	An issue that affected online check commits has been resolved: > Online check commit comments are now truncated to 2,000 characters to prevent commit errors. > The API server also validates the comment length. If a comment exceeds the limit, the commit returns `BAD_REQUEST (HTTP 400)` with error code MDF0021. The caller can shorten the comment and retry the commit.
9082950154491733013	The **Scope Quickview** now ignores virtual folders when expanding artifacts in the tree view, rather than logging an error and hiding child artifacts. A label indicates that virtual folders are not displayed. The selection behavior has also been updated to show a partial selection with a "-" in the check box for all artifacts between the selected artifact and the model root.
9082950154512163013, 9082950154485851993, 9082950154519990102	Invisible scope roots no longer cause `NullPointerExceptions`.
9082949058619350000	In the `PREEvision.ini` file, settings have been added that can be used to match entries in the User-Info-Endpoint response to retrieve the username from the authority model for OpenID Connect authentication.

3.5.12 Administration

ID	Resolution
9082950154204021202	Now, when updated, the values of version and context artifacts supplied by the product are taken over by product branch artifacts of customized *Add-in*s.
9082950154360291995	The "Add-in Development" and "Configuration" *Add-in*s no longer share the same *Metric Diagram*. Previously, sharing the diagram could lead to reuse recovery errors when the *Add-in*s were customized.

ID	Resolution
9082950154449821030	Before, when installing product *Add-in*s, artifacts were moved from the product branch to the customizing branch if the installation updated artifacts that could only exist once in the model, such as a rule *Source Set*, and if these artifacts were referenced by both a product and a customized *Add-in*. Now, these artifacts remain in the product branch and do not appear customized.
9082950154508741202	Before, updating customized *Add-in*s with diagrams could result in a null pointer exception when aligning the context attributes of the diagrams with those of product *Add-in* diagrams.
9082950154411811993	All files that shall be kept during automatic client update are now correctly restored.
9082950154490701993	During JMX monitoring no `ConcurrentModificationException` is caused anymore.

3.5.13 Installation

ID	Resolution
9082950154383121861	The requirements server is now also included in the build result if you set `build.tomcat.combined=true` in the `deploy.properties`.
9082950154469561993	If no client update files are available in the application update folder, no exceptions are reported in the server log file.
9082950154385192054	If the `keepOldClientAsBackup` option is deactivated for the application update, no full backup is created.

3.5.14 Backup, restore, and migration

ID	Resolution
9082950154387851036	Starting a backup from where the previous backup ended no longer loads the full model twice.

3.6 Known issues

Known issues in PREEvision 26.3

You will find the important known issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Known issue
8682711555165912106	ReqIF export: For empty attributes, the string defined in the **Text for empty Labels** property is exported instead of an empty string. By default, this is "---". **Workaround:** In the **Preferences**, under **PREEvision | General**, remove all characters from the **Text for empty Labels** property.
9082949059821032062	During KBL export with propagation, more artifacts are exported than were propagated. This is caused by an issue in the export framework. For example, it is currently not possible to export only a specific *Connector Location* if its *Installation Location* is part of the propagated artifacts, since all contained *Connector Location*s are exported. The exported KBL file however is valid.
9082949059853333059	When comparing two artifacts, in the **Compare** perspective one of the **Property View**s of the artifacts to be compared is, in some cases, not displayed in compare mode. **Workaround:** Close the **Compare** perspective and execute the artifact compare again.
9082949059891171896	Artifacts that have been unloaded from the temporary scope are kept in memory. **Workaround:** Commit the model to remove artifacts of the temporary scope from memory.
9082950129724501783	In some cases, when a *Report* includes a *Report Module* with double spaces at the end of the *Report Module*, the spaces are not maintained.
9082950154143081804	Filtering and selecting artifacts via metric in a table is not working correctly. The filter is not applied even though the table indicates that a filter is active.
9082950154113631867	If the data type of an *Attribute Definition* is changed during an AUTOSAR software component update, for example by changing the value from integer to long, the existing data type of the *Attribute Definition* in the model is deleted and replaced by the new data type. Expectation: The existing data type should not be deleted, and the new data type used by the *Attribute Definition*.

ID	Known issue
9082950154561342062	The selection propagation may sporadically fail after a drag and drop action of an artifact, for example, a drag and drop action into an external application such as Microsoft Word. **Workaround:** Execute any other drag and drop action in the client to restore the propagation selection.
9082950154543292112	The Java development community has identified a rare Java Runtime issue that can cause Java applications to terminate unexpectedly under specific conditions. The issue is publicly documented and has already been resolved by the OpenJDK project. The fix will be included in an upcoming Java release (JDK-8341382). PREEvision clients may be affected in certain environmental conditions, although the exact conditions have not yet been fully identified. We are tracking the resolution of the issue and will provide an updated Java runtime with PREEvision as soon as the corrected release is available.

4 PREEvision 26.2

This chapter contains the following information:

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4.1 Version numbers

Version numbers

Application	Version number
PREEvision client	26.2.0
PREEvision license server	3.1.0
PREEvision database server	26.2.0.04
PREEvision application server	26.2.0

Documentation

Manual	Version number
PREEvision manual	26.2.0
PREEvision configuration manual	26.2.0
PREEvision operating manual	26.2.0
PREEvision migration manual	26.2.0
PREEvision system requirements	26.2.0
PREEvision server API	26.2.0

4.2 Installation and compatibility information

For detailed information about the hardware and software requirements of PREEvision 26.2, refer to the PREEvision system requirements.

For detailed information about the installation of PREEvision 26.2, refer to the PREEvision operating manual.

For detailed information about the migration from PREEvision 10.x to PREEvision 26.2, refer to the PREEvision migration manual.

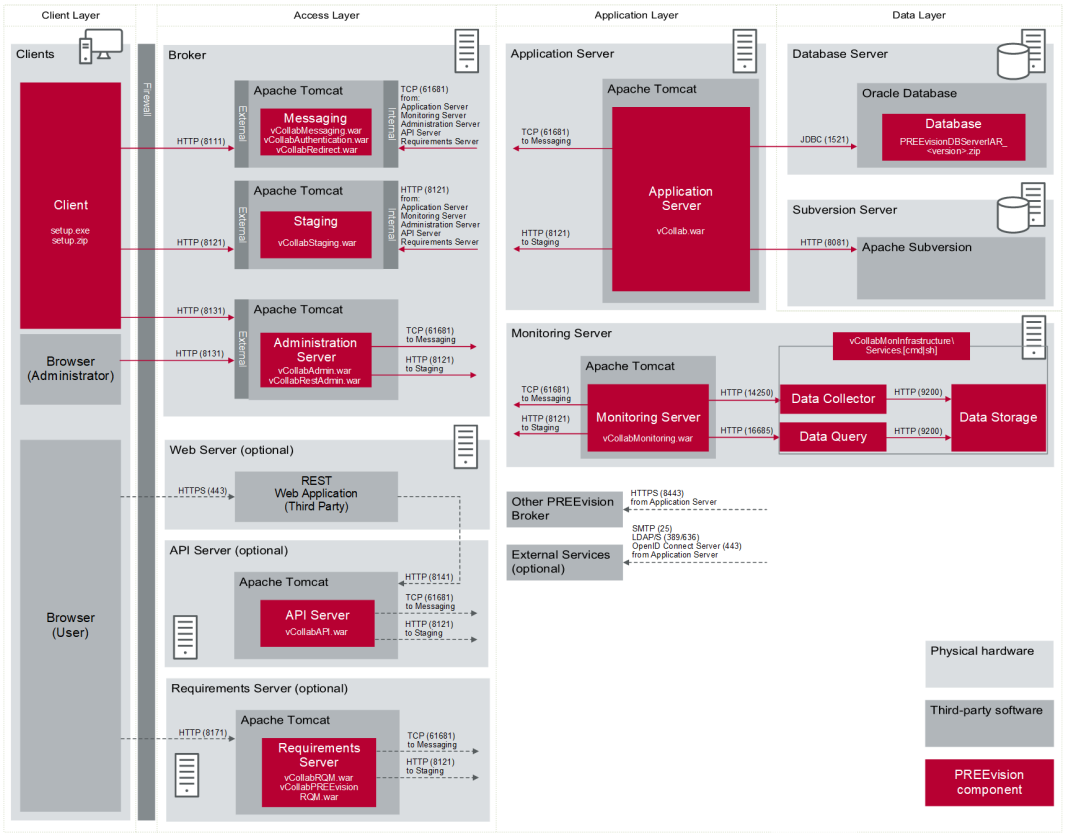
System requirements

The following system requirements have been changed:

- The recommended version of Apache Tomcat has been changed to 11.0.22.
- For the PREEvision server components, the recommended version of the operating system has been changed to Windows Server 2022 Standard.
- For the new requirements server, hardware and software requirements have been added.

Requirements server

The PREEvision collaboration platform has been extended by the new requirements server that hosts the trial version of the new requirements web client. The requirements server is optional. You only need to deploy it and set it up if you want to test the new requirements web client.



To properly build the requirements server, you must use the following default settings in the `deploy.properties`:

> `build.combine.associated.components=true`
> `build.tomcat=false`
> `build.tomcat.combined=false`

In the trial version of the requirements web client, you can load up to 500 requirements with good performance. A larger number of requirements results in longer load times.

Automatic client update: file location changed

The location of the `UpdateApplication.jar` and the `AURAConfig.json` has been changed in the `PREEvisionCollaborationPlatform_<version>.zip` and in the built application server.

You will find the `UpdateApplication.jar` and an example of the `AURAConfig.json`:

> in the `PREEvisionCollaborationPlatform_<version>.zip` under: `..\PREEvisionCollaborationPlatform\aura\updater`
> in the built application server (vCollab) under `..\updater`

Automatic client update: support of two client versions

The automatic client update now enables you to provide two versions of the client at the update location. In this way, you can provide both an older version of the client that has already been released and a new version for user acceptance testing. With the help of the automatic client update, you can now also roll back to an older version of the client.

Compatibility

The PREEvision client, the database server and the PREEvision server are only compatible within exactly the same PREEvision version. Using a new client version on a previous server version or a previous client version on a new server version is not supported and may lead to data inconsistencies or data loss.

Client version	Server version	Database server script version	Metamodel change ID
26.0.0	26.0.0	26.0.0.02	2025-11-17
26.1.0	26.1.0	26.1.0.07	2026-04-07
26.1.1	26.1.1	26.1.0.07	2026-04-07
26.1.2	26.1.2	26.1.0.07	2026-04-07
26.1.3	26.1.3	26.1.0.07	2026-04-07
26.1.4	26.1.4	26.1.0.07	2026-04-07
26.2.0	26.2.0	26.2.0.04	2026-06-11

Update and migration

For an update of an existing PREEvision collaboration platform environment, all components with a changed version number in the compatibility table must be updated, which includes:

- PREEvision client
- PREEvision database server script
- PREEvision application on the application server
- PREEvision monitoring server
- PREEvision broker:
  - PREEvision messaging server
  - PREEvision staging server
  - PREEvision administration server
- optional: PREEvision API server



For detailed instructions on how to update a PREEvision collaboration platform environment, refer to the PREEvision operating manual, chapter "Update".

4.3 New features in PREEvision 26.2

Further information

- Systems engineering
- Software and diagnostics design
- Product line engineering
- Administration
- Usability improvements
- Requirements web client

4.3.1 Systems engineering

Diagram placeholders for sequence diagrams

Sequence diagrams can now be inserted as diagram placeholders in formatted texts which enables a dynamic integration in reports, in Excel exports, and ReqIF exports.

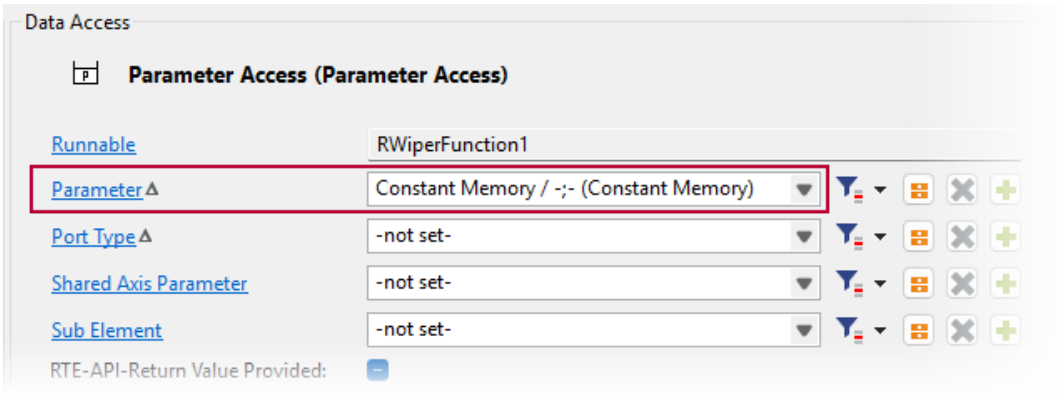
Export sequence diagrams as PDF files

Sequence diagrams can now be exported via the "Export to PDF" functionality. The page/print settings from preferences are applied for print-optimized output.

4.3.2 Software and diagnostics design

Parameter access

In AUTOSAR, `ParameterAccess` uses `ParameterDataPrototype`s, which are mapped in PREEvision to *Parameter*s and *Constant Memory*. In the context of *Runnable* design, *Parameter Access* can now be defined with Constant Memory.



Improvements for diagnostics

The Diagnostic Concept Explorer and the Diagnostic Realization Explorer provide multiple improvements.

- The attribute **Healing Cycle Counter Threshold** for diagnostic indicators is shown on the relevant tables.
- For internal comments that will not be exported, a **Developer Comment** column has been introduced for diagnostic data definition.
- For tables with *Diagnostic Data Object*s, an **Index** column has been added.
- In tables for *Enable Condition*s or *Storage Condition*s, all conditions and condition groups are displayed in one cell.

Optimization for consistency checks

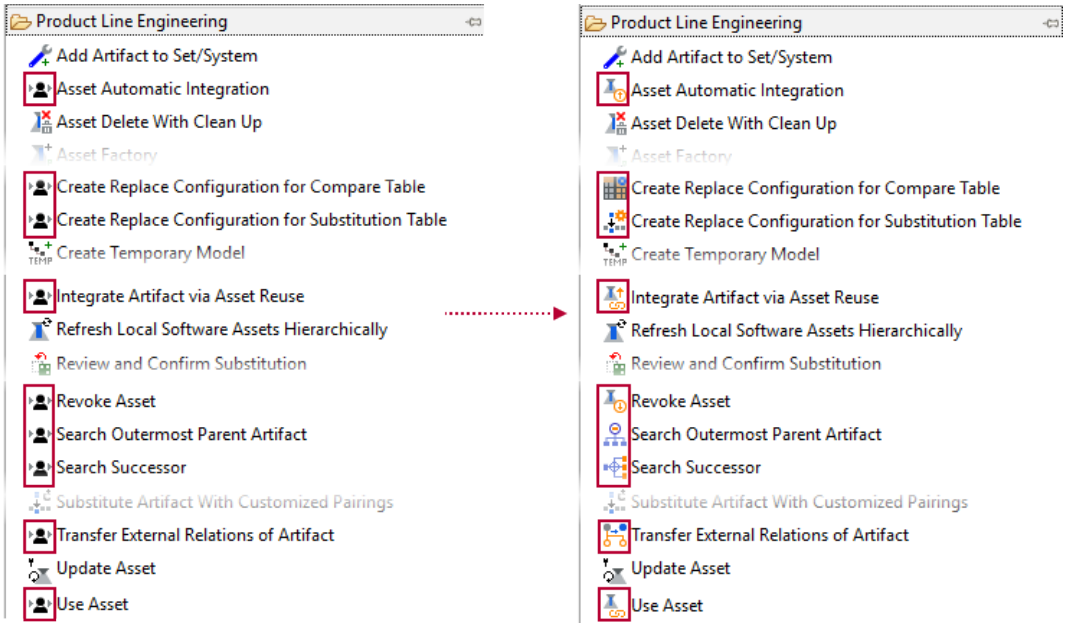
Consistency checks for software, communication, and diagnostic design have been optimized:

- New naming convention has been applied.
- Severity and error message have been adapted.
- Performance of the checks has been optimized.
- Checks were assessed for redundancy and logic.

4.3.3 Product line engineering

Replaced default icons for metric blocks of product line engineering

The default icons for several metric blocks have been replaced with new icons:



4.3.4 Administration

Check model consistency metric block

The **Check Model Consistency** action within the **Administration** menu can now be executed via the *Check Model Consistency* metric block. In this way, you can check the consistency of the model as part of an automated task. The results of the check are returned in JSON format and contain the same information that would be displayed in the **Information View**.

Error handling for inaccessible temporary folders

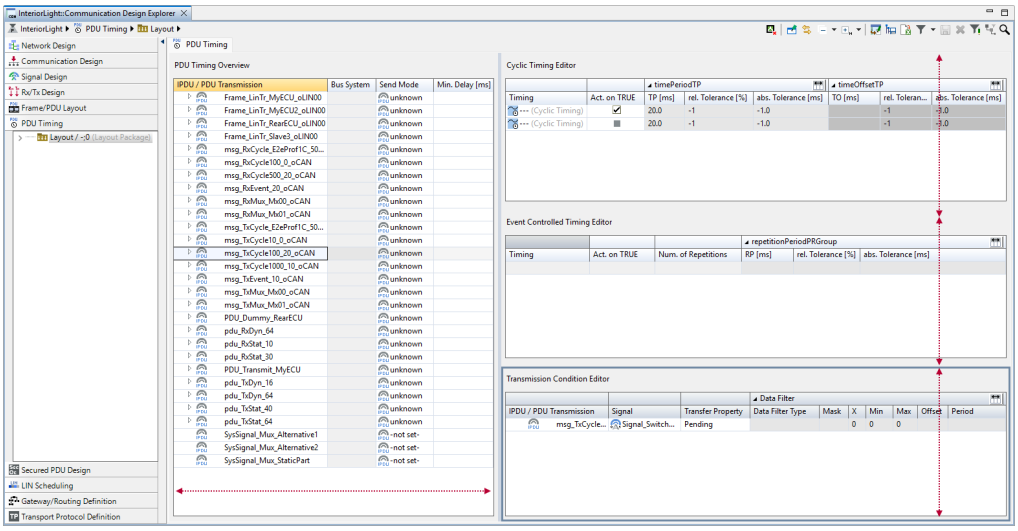
The PREEvision client uses the temporary folder of its Java Runtime Environment for various functions. Some customers use relative paths for the temporary folder, which can lead to permission issues. PREEvision now displays an error message if temporary folders are inaccessible and cancels the startup of PREEvision.

4.3.5 Usability improvements

Ratio of combined tables in explorers

The ratio of combined tables no longer needs to be readjusted every time you switch categories or close and reopen an explorer. The following improvements have been implemented:

- The user-defined ratio and size of combined tables within explorers is maintained.
- The ratio is maintained during the runtime of the client.



Review and vote

The following review and vote tables have been renamed:

- **Review Table** -> **Review Editor**
- **Voting Table** -> **Voting Editor**
- **Task Table** -> **Agreement Task Editor**
- **Agreements Table** -> **Agreement Status Editor**
- **Task Overview Table** -> **Agreement Tasks Viewer**

The highlight color for the end dates in the **End Date** column has been adapted for the following tables:

- **Agreement Status Editor**



- **Agreement Tasks Viewer**

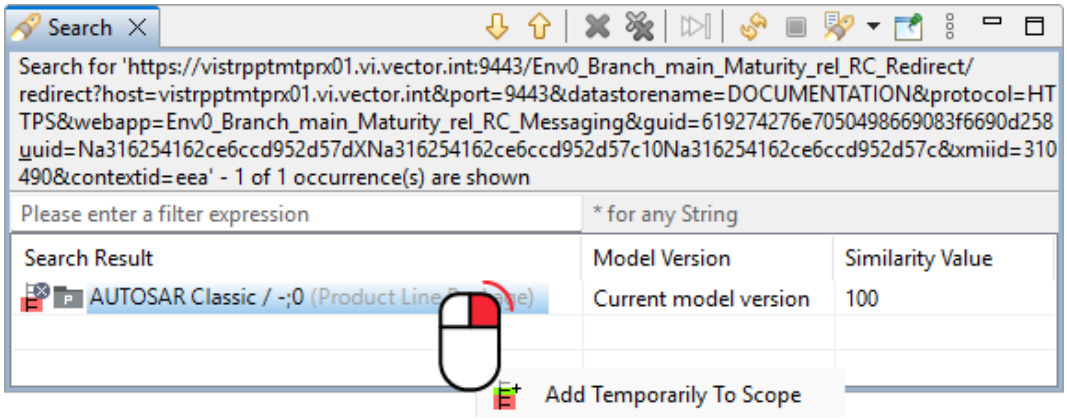


Out-of-scope information for configuration management artifacts

Artifacts in the *Configuration Management* are always available in the background on a client, e.g. for scope assignment. To access the content of *Product Line Packages* or *Product Lines*, which are represented by parts in the *Configuration Management*, an explicit assignment of the *Product Line Package* or part/*Product Line* to the active scope is required.

The  icon now indicates that an artifact in the *Configuration Management* is not part of the active scope but may be added to the active scope. Thus, you can easily add the artifact to the temporary scope and access its content.

The  icon is, for example, displayed in the **Search** result view.



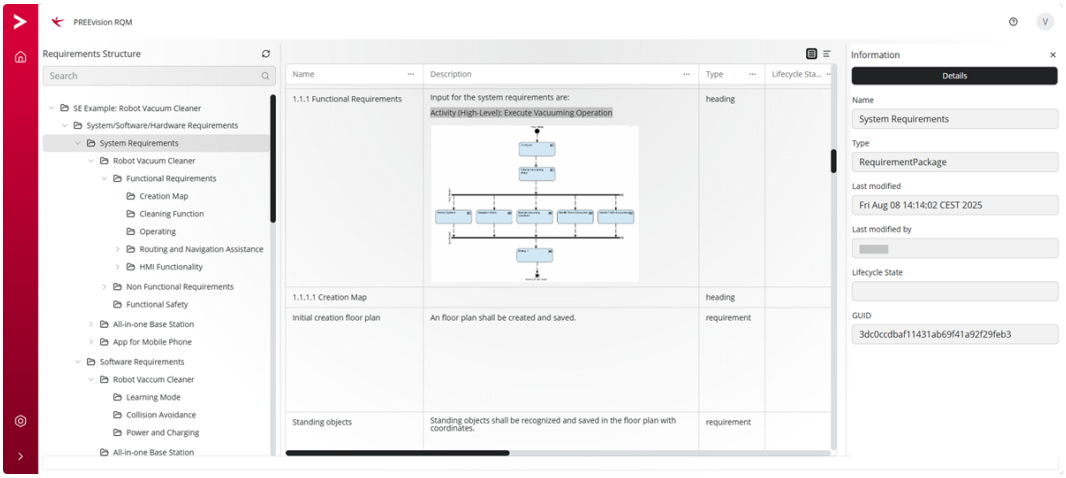
4.3.6 Requirements web client

The requirements web client provides an easy access to the requirements of your project. The initial version of this complementary product supports a read-only use case and is under continuous development.

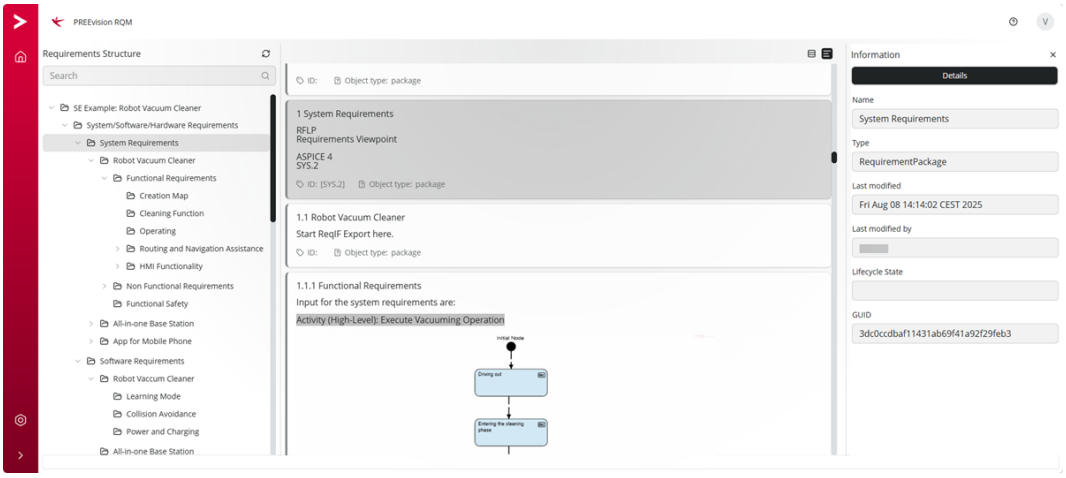
The first version supports a read-only use case. Iteratively, new features will be enabled.

The requirements web client is a trial version that does not grant rights for use in other product versions. A subscription will be required by 2027 at the latest.

Requirements web client with **Table View**:



Requirements web client with **Content View**:



4.4 Configuration information

New metric blocks

The following metric block has been introduced:

Block and category	Description
Check Model Consistency Category: **Administration**	Checks the consistency of the latest model version of the currently loaded model. This is identical to running the check via the menu bar **Administration | Check Model Consistency**. The check only evaluates the active scope. To run the check on the full model, switch to installation mode and deactivate the scope. Note: Switching to installation mode can take a while for large models. Outputs (*Data Source Port*s): > "hasFindings" (data type: `Boolean`) Possible values: > true: at least one model inconsistency has been found > false: no model inconsistencies have been found > "findingDetails" (data type: String) Returns the results of the check in JSON format. The JSON contains the same information as the **Information View** when you execute the action via menu bar.

Size limitation for loading and changing the version of an artifact

When loading or changing the version of an artifact, the transfer of the artifact's subtree uses a serialization format that is limited to a size of 2 GB. This corresponds to 9.4 million artifacts or relations. The maximum size refers to the selected artifact and its subtree, as well as additionally required external types and their relations.

Take this limitation into account when you structure the model, so that the affected actions run successfully for your use cases.

The following actions are affected by the size limitation:

> *Asset* update
> replace with version
> replace with selected version
> restore selected version
> reuse historical version
> update *Asset* to historical version in checked-in *Product Line* (customer-specific action)
> load *Product Line* in read-only mode (customer-specific action)
> compare against historical version
> compare for reuse inconsistencies

Other actions are not affected, for example:

- loading the (full) model and updating the model
- loading the scope
- backup and restore
- migrating models
- using *Asset*s

PREEvision provides performance monitoring measurement points to observe the utilization if the serialization format is used.

4.5 Fixed issues

Fixed issues in PREEvision 26.2

You will find the important fixed issues in the following tables. Please note that some issues depend on specific configurations, views, or models.

Further information

- Common
- Requirements
- AUTOSAR
- Software architecture
- Diagnostics
- Communication
- Hardware architecture
- Geometry
- Change and release management
- Rules
- Metrics
- Collaboration
- Administration
- Backup, restore, and migration

4.5.1 Common

ID	Resolution
9082950154347481804	The context menu is opened without delay, because the performance has been improved.
9082950154228011030	An error has been resolved that occurred when a file-based model containing invisible artifacts was saved.
9082949855613741914	An error has been resolved that occurred when merging two reused and checked-in artifacts via the merge options **Keep identity of the source** and **Replace all data**.
9082950154398520124	On the login screen, selecting projects via the drop-down list works properly again.
9082950154310832024	If the **Help** view is opened as integrated view via **<F1>**, you can use **<Strg>+<F>** again to use the text search within the help window.

4.5.2 Requirements

ID	Resolution
9082950129655770124	The placeholder managing logic checks whether a formatted text still exist before handling placeholders. This resolves a rare error when completely deleting formatted texts.
9082947085542422052	ReqIF import: The ReqIF import prevents the user from starting an import if a *Data Type Package* with the reserved name "ReqIF Datatypes" is selected.
9082950154323452105	ReqIF export: The OLE to file conversion creates all context artifacts correctly.

4.5.3 AUTOSAR

ID	Resolution
9082947084922023042	AUTOSAR consistency checks: The *Consistency Rule* "AR_019908_ARC_all_ComponentWithSameName_PortPrototype" has been replaced by the rule "cax2508_AbstractAtomicSWComponentTypeWithRedundantPortTypeName" to improve performance.
9082950129773931030	AUTOSAR consistency checks: The check "Check AUTOSAR ECU Design" can be properly executed on all relevant artifacts including *ECU* and *Execution Context*.
9082950154204373089	AUTOSAR import with merging: The handling of *Implementation File Proxy* artifacts has been improved, and no duplicates of *Implementation File Proxy* artifacts are created.
9082950154330113089	AUTOSAR import with merging: Imported attribute values are imported and merged correctly with existing *Attribute Definition*s.
9082949855555810063	AUTOSAR export: The export of `LinSlaveConfig` and `LinErrorResponse` has been corrected.
9082949855555750063	AUTOSAR import: The import of `LinSlaveConfig` and `LinErrorResponse` has been corrected.
9082950154263403042	AUTOSAR import with replace: The `replaceRelevanceFunction` considers the data types of *Attribute Definition*s. Note: The **ImEx-ID** which is used by the `replaceRelevanceFunction` for identification must be unique in the model.

ID	Resolution
9082950129733921024, 9082950154119473089	Software component update: the import of AUTOSAR `AdminData` and custom attributes has been improved to prevent duplicated content.

4.5.4 Software architecture

ID	Resolution
9082950129735872100	A *SW Package Type* can be assigned to a *SW Package* via the **Property View**.
9082950154129421030	In the **Define Diagnostics Components** table of the **SOA & Ethernet Explorer**, all hardware components including *Execution Context*s can be set as **Tester**.
9082947087327483042	Navigation between software instances, prototypes and types has been improved: You can use **[Space]** key to switch the selection from software component to software component prototype to software component type. Similarly, it is also possible to jump from software port to port prototype to port type.

4.5.5 Diagnostics

ID	Resolution
9082950154286172004	The **Diagnostic Communication Explorer** has been improved: the **Create Communication Infrastructure** function now automatically creates a *CAN Identifier List* if missing.

4.5.6 Communication

ID	Resolution
9082949060606151867	The dialog for creating a *PDU Frame Assignment* and a *Signal IPDU* assignment either via context menu or via the **Property View** has been removed.
9082950154356441917	LDF export: ANSI encoding format is used for export files for better compatibility with downstream tools.

4.5.7 Hardware architecture

ID	Resolution
9082950154111471912	KBL export: The `Module_configuration` only contains `Controlled_components` for *Topology Segment Point*s that are directly assigned to the *Wiring Module*. Assigning the type of the *Topology Segment Point* to the *Wiring Module* has no effect on the `Controlled_components` of the `Module_configuration` anymore.
9082949059933612083	The **Splice Position Calculation** metric requires correctly assigned weights and weight units for the *Wire Type*s of the wires. If this is not the case, a fallback is used which only considers the length of the wires.
9082950154226053090	Defined constraints for the **Sheet Connector Target Limitation** in the object configuration for diagrams of the *Hardware Architecture* are correctly applied.

4.5.8 Geometry

ID	Resolution
9082950154210631843	**Heat Characteristics** for an *Installation Location* can be set on the **Environment** property page and creates an appropriate *Heat Characteristics* child artifact for the *Installation Location*.
9082950154237141994	The context menu entry **Show Object Configuration** has been added for *Connector Location*s in diagrams.

4.5.9 Change and release management

ID	Resolution
9082950154206170076, 9082950154286891999	In the **Property View** of *Ticket*s, on the **Ticket Relations** property page, the lifecycle states of the referenced artifacts in the **This ticket is linked to (outgoing)** table are correctly displayed.
9082950154270471868	Review and vote: The exemplary Supplier Specification Review for customer functions displays the selected *Customer Feature*s.
9082950154293921868	Review and vote: The **Comment** columns in the tables of the **Review Editor** and **Agreement Task Editor** are displayed with a white background color if

ID	Resolution
	they are editable for the current user. The columns are displayed with a gray background color if they are not editable by the current user.
9082950154134172105	Review and vote: The *Agreement Task* lookup has been improved for a better performance.
9082950154336462112	The *Change Profile* also tracks changes that are executed by *Pre Commit Hook Metric Executor*s.

4.5.10 Rules

ID	Resolution
9082950129634710102	The performance of the consistency check "p1068_AtomicSWComponentPrototype_ with_ambiguous_RunnableEntity" has been improved.
9082950154261592102	The log output `Detected Consistency Rules with Duplicate Name, the Detail Result TempTable may not be accurate!` now contains the name of the duplicate rule.
9082950154302932105	Now, artifacts without names are correctly displayed in the **Consistency Check Results** view when **Use as grouping for consistency-check-results** is selected for the corresponding *Consistency Rule Group*s.
9082950154121322044	After making neutral changes, such as creating and removing the same artifact in a metric, online checks are now running again to remove incorrect findings.

4.5.11 Metrics

ID	Resolution
9082950154285682044	The *Compare Model Tree* block now ignores the automanaged helper artifacts for aggregated head links. Instead, it evaluates the aggregated parents for comparison.
9082950154225112101	The *Excel Import* block now properly processes Excel files with empty or missing rows.
9082950154220922102	The query results can again be restricted to the scope defined by the *Product Line Package*s provided at the "sourceSet" port of the *Query Rule Group* block.

ID	Resolution
9082950154279621863	The **Metrics Migration Support | Find configuration artifacts with invalid metaclass configuration** now also considers filter configurations on *Table*s.
9082950129657272102	User-triggered cancellation actions and the resulting error state of the metric execution are now both handled correctly.
9082950154261712102	The obsolete error message `MissingResourceException` has been removed from the Jenkins log file.
9082950154204372102	After client start, the Java metric project is correctly initialized to allow editing of metric source code in the **Java Editor**.

4.5.12 Collaboration

ID	Resolution
9082950129645062012	When the UUID of a non-versioned object is changed, the object is now always locked.
9082950154274222203	After major network outages, PREEvision clients can reestablish a connection to the application server without subsequent issues.
9082950129562711838, 9082949855621042112	Committing changes of order-relevant relations, for example, in diagrams, no longer leads to errors.
9082950154341311808	Handling errors in the model cache file has been improved.

4.5.13 Administration

ID	Resolution
9082949060710441992	Type rights can be applied to *Multi Value Attribute Definition*s.
9082950154159061045	A consistency check has been added which checks if a *Definition Set* is assigned to a *Product Line*. To use custom attributes in a *Product Line*, you must assign a *Definition Set* to the *Product Line*.

4.5.14 Backup, restore, and migration

ID	Resolution
9082950154188611808	Changes of floating-point attributes from negative to positive zero values and vice versa are now properly handled by the model preparation.

4.6 Known issues

Known issues in PREEvision 26.2

You will find the important known issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Known issue
8682711555165912106	ReqIF export: For empty attributes, the string defined in the **Text for empty Labels** property is exported instead of an empty string. By default, this is "---". **Workaround:** In the **Preferences**, under **PREEvision | General**, remove all characters from the **Text for empty Labels** property.
9082949059821032062	During KBL export with propagation, more artifacts are exported than were propagated. This is caused by an issue in the export framework. For example, it is currently not possible to export only a specific *Connector Location* if its *Installation Location* is part of the propagated artifacts, since all contained *Connector Location*s are exported. The exported KBL file however is valid.
9082949059853333059	When comparing two artifacts, in the **Compare** perspective one of the **Property View**s of the artifacts to be compared is, in some cases, not displayed in compare mode. **Workaround:** Close the **Compare** perspective and execute the artifact compare again.
9082949059891171896	Artifacts that have been unloaded from the temporary scope are kept in memory. **Workaround:** Commit the model to remove artifacts of the temporary scope from memory.
9082950129724501783	In some cases, when a *Report* includes a *Report Module* with double spaces at the end of the *Report Module*, the spaces are not maintained.
9082950154204021202	The *Add-in* customizing update does not reset the alias name of rules to the alias name of the upstream *Add-in*. This results in old names of the *Link LHS* and *Link RHS* and the representation in diagrams for relations that have been renamed in the meta model. This does neither affect the functionality of the rule nor the functionality of the relation in the rule.
9082950154143081804	Filtering and selecting artifacts via metric in a table is not working correctly. The filter is not applied even though the table indicates that a filter is active.

ID	Known issue
9082950154113631867	If the data type of an *Attribute Definition* is changed during an AUTOSAR software component update, for example by changing the value from integer to long, the existing data type of the *Attribute Definition* in the model is deleted and replaced by the new data type. Expectation: The existing data type should not be deleted, and the new data type used by the *Attribute Definition*.
9082950154335041804	When starting the PREEvision client, the following message can be displayed in sporadic cases: "Rich-Text/Report-Render-Engine has encountered a problem." The reason can be a high system load during startup. **Workaround:** Confirm the message by clicking **[OK]**. PREEvision automatically restarts the engine when it is needed, for example, when you edit formatted texts or generate a report. If the message is displayed again while you work with PREEvision, contact your administrator.
9082950154383121861	Not all possible combinations of parameters in the `deploy.properties` file are supported for building the new requirements server. With some combinations, the requirements server is not included in the build. **Workaround:** To properly build the requirements server, you must use the following default settings in the `deploy.properties`: > `build.combine.associated.components=true` > `build.tomcat=false` > `build.tomcat.combined=false`
-	In the trial version of the new requirements web client, you can load up to 500 requirements with good performance. A larger number of requirements results in longer load times.

5 PREEvision 26.1 SP4

This chapter contains the following information:

5.1 Version numbers 86
5.2 Installation and compatibility information 87
5.3 Fixed issues 88
5.4 Known issues 89

5.1 Version numbers

Version numbers

Application	Version number
PREEvision client	26.1.4
PREEvision license server	3.1.0
PREEvision database server	26.1.0.07
PREEvision application server	26.1.4

Documentation

Manual	Version number
PREEvision manual	26.1.0
PREEvision configuration manual	26.1.0
PREEvision operating manual	26.1.1
PREEvision migration manual	26.1.0
PREEvision system requirements	26.1.0
PREEvision server API	26.1.0

5.2 Installation and compatibility information



For detailed information about the hardware and software requirements of PREEvision 26.1, refer to the PREEvision system requirements.



For detailed information about the installation of PREEvision 26.1, refer to the PREEvision operating manual.



For detailed information about the migration from PREEvision 10.x to PREEvision 26.1, refer to the PREEvision migration manual.

Compatibility

The PREEvision client, the database server and the PREEvision server are only compatible within exactly the same PREEvision version. Using a new client version on a previous server version or a previous client version on a new server version is not supported and may lead to data inconsistencies or data loss.

Client version	Server version	Database server script version	Metamodel change ID
26.0.0	26.0.0	26.0.0.02	2025-11-17
26.1.0	26.1.0	26.1.0.07	2026-04-07
26.1.1	26.1.1	26.1.0.07	2026-04-07
26.1.2	26.1.2	26.1.0.07	2026-04-07
26.1.3	26.1.3	26.1.0.07	2026-04-07
26.1.4	26.1.4	26.1.0.07	2026-04-07

Update and migration

For an update of an existing PREEvision collaboration platform environment, all components with a changed version number in the compatibility table must be updated, which includes:

- PREEvision client
- PREEvision database server script
- PREEvision application on the application server
- PREEvision monitoring server
- PREEvision broker:
  - PREEvision messaging server
  - PREEvision staging server
  - PREEvision administration server
- optional: PREEvision API server



For detailed instructions on how to update a PREEvision collaboration platform environment, refer to the PREEvision operating manual, chapter "Update".

5.3 Fixed issues

Fixed issues in PREEvision 26.1 SP4

You will find the important fixed issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Resolution
9082950154434930124	Unnecessary checks for checking in *Asset*s which are out of scope have been removed. These checks could prevent the check-in if the scope cache on the server is disabled and the scope contains *Product Line Package*s.

5.4 Known issues

Known issues in PREEvision 26.1 SP4

You will find the important known issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Known issue
8682711555165912106	ReqIF export: For empty attributes, the string defined in the **Text for empty Labels** property is exported instead of an empty string. By default, this is "---". **Workaround:** In the **Preferences**, under **PREEvision | General**, remove all characters from the **Text for empty Labels** property.
9082949059821032062	During KBL export with propagation, more artifacts are exported than were propagated. This is caused by an issue in the export framework. For example, it is currently not possible to export only a specific *Connector Location* if its *Installation Location* is part of the propagated artifacts, since all contained *Connector Location*s are exported. The exported KBL file however is valid.
9082949059853333059	When comparing two artifacts, in the **Compare** perspective one of the **Property View**s of the artifacts to be compared is, in some cases, not displayed in compare mode. **Workaround:** Close the **Compare** perspective and execute the artifact compare again.
9082949059891171896	Artifacts that have been unloaded from the temporary scope are kept in memory. **Workaround:** Commit the model to remove artifacts of the temporary scope from memory.
9082950129724501783	In some cases, when a *Report* includes a *Report Module* with double spaces at the end of the *Report Module*, the spaces are not maintained.
9082950154204021202	The *Add-in* customizing update does not reset the alias name of rules to the alias name of the upstream *Add-in*. This results in old names of the *Link LHS* and *Link RHS* and the representation in diagrams for relations that have been renamed in the meta model. This does neither affect the functionality of the rule nor the functionality of the relation in the rule.
9082950154143081804	Filtering and selecting artifacts via metric in a table is not working correctly. The filter is not applied even though the table indicates that a filter is active.

ID	Known issue
9082950154206170076	In the **Property View** of *Ticket*s, on the **Ticket Relations** property page, referenced artifacts in the **This ticket is linked to (outgoing)** table may display incorrect lifecycle states. **Workaround:** Open the **This ticket is linked to (outgoing)** table as standalone table in the editor area.
9082950154113631867	If the data type of an *Attribute Definition* is changed during an AUTOSAR software component update, for example by changing the value from integer to long, the existing data type of the *Attribute Definition* in the model is deleted and replaced by the new data type. Expectation: The existing data type should not be deleted, and the new data type used by the *Attribute Definition*.
9082950154263403042	Data types of *Attribute Definition*s in the administration are not handled correctly if the "replaceRelevanceFunction" port is used by the *Replace* metric block for an AUTOSAR import with replace.

6 PREEvision 26.1 SP3

This chapter contains the following information:

6.1 Version numbers 92
6.2 Installation and compatibility information 93
6.3 Fixed issues 94
6.4 Known issues 95

6.1 Version numbers

Version numbers

Application	Version number
PREEvision client	26.1.3
PREEvision license server	3.1.0
PREEvision database server	26.1.0.07
PREEvision application server	26.1.3

Documentation

Manual	Version number
PREEvision manual	26.1.0
PREEvision configuration manual	26.1.0
PREEvision operating manual	26.1.1
PREEvision migration manual	26.1.0
PREEvision system requirements	26.1.0
PREEvision server API	26.1.0

6.2 Installation and compatibility information



For detailed information about the hardware and software requirements of PREEvision 26.1, refer to the PREEvision system requirements.



For detailed information about the installation of PREEvision 26.1, refer to the PREEvision operating manual.



For detailed information about the migration from PREEvision 10.x to PREEvision 26.1, refer to the PREEvision migration manual.

Compatibility

The PREEvision client, the database server and the PREEvision server are only compatible within exactly the same PREEvision version. Using a new client version on a previous server version or a previous client version on a new server version is not supported and may lead to data inconsistencies or data loss.

Client version	Server version	Database server script version	Metamodel change ID
26.0.0	26.0.0	26.0.0.02	2025-11-17
26.1.0	26.1.0	26.1.0.07	2026-04-07
26.1.1	26.1.1	26.1.0.07	2026-04-07
26.1.2	26.1.2	26.1.0.07	2026-04-07
26.1.3	26.1.3	26.1.0.07	2026-04-07

Update and migration

For an update of an existing PREEvision collaboration platform environment, all components with a changed version number in the compatibility table must be updated, which includes:

- PREEvision client
- PREEvision database server script
- PREEvision application on the application server
- PREEvision monitoring server
- PREEvision broker:
  - PREEvision messaging server
  - PREEvision staging server
  - PREEvision administration server
- optional: PREEvision API server



For detailed instructions on how to update a PREEvision collaboration platform environment, refer to the PREEvision operating manual, chapter "Update".

6.3 Fixed issues

Fixed issues in PREEvision 26.1 SP3

You will find the important fixed issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Resolution
9082950154398520124	On the login screen, selecting projects via the drop-down list works properly again.
9082950154335041804	When starting the PREEvision client, the message "Rich-Text/Report-Render-Engine has encountered a problem." is not displayed anymore.
9082950154402971036	During restore, empty formatted text does not cause errors anymore, and the restore can be executed properly.

6.4 Known issues

Known issues in PREEvision 26.1 SP3

You will find the important known issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Known issue
8682711555165912106	ReqIF export: For empty attributes, the string defined in the **Text for empty Labels** property is exported instead of an empty string. By default, this is "---". **Workaround:** In the **Preferences**, under **PREEvision | General**, remove all characters from the **Text for empty Labels** property.
9082949059821032062	During KBL export with propagation, more artifacts are exported than were propagated. This is caused by an issue in the export framework. For example, it is currently not possible to export only a specific *Connector Location* if its *Installation Location* is part of the propagated artifacts, since all contained *Connector Location*s are exported. The exported KBL file however is valid.
9082949059853333059	When comparing two artifacts, in the **Compare** perspective one of the **Property View**s of the artifacts to be compared is, in some cases, not displayed in compare mode. **Workaround:** Close the **Compare** perspective and execute the artifact compare again.
9082949059891171896	Artifacts that have been unloaded from the temporary scope are kept in memory. **Workaround:** Commit the model to remove artifacts of the temporary scope from memory.
9082950129724501783	In some cases, when a *Report* includes a *Report Module* with double spaces at the end of the *Report Module*, the spaces are not maintained.
9082950154204021202	The *Add-in* customizing update does not reset the alias name of rules to the alias name of the upstream *Add-in*. This results in old names of the *Link LHS* and *Link RHS* and the representation in diagrams for relations that have been renamed in the meta model. This does neither affect the functionality of the rule nor the functionality of the relation in the rule.
9082950154143081804	Filtering and selecting artifacts via metric in a table is not working correctly. The filter is not applied even though the table indicates that a filter is active.

ID	Known issue
9082950154206170076	In the **Property View** of *Ticket*s, on the **Ticket Relations** property page, referenced artifacts in the **This ticket is linked to (outgoing)** table may display incorrect lifecycle states. **Workaround:** Open the **This ticket is linked to (outgoing)** table as standalone table in the editor area.
9082950154113631867	If the data type of an *Attribute Definition* is changed during an AUTOSAR software component update, for example by changing the value from integer to long, the existing data type of the *Attribute Definition* in the model is deleted and replaced by the new data type. Expectation: The existing data type should not be deleted, and the new data type used by the *Attribute Definition*.
9082950154263403042	Data types of *Attribute Definition*s in the administration are not handled correctly if the "replaceRelevanceFunction" port is used by the *Replace* metric block for an AUTOSAR import with replace.

7 PREEvision 26.1 SP2

This chapter contains the following information:

7.1 Version numbers 98
7.2 Installation and compatibility information 99
7.3 Fixed issues 100
7.4 Known issues 101

7.1 Version numbers

Version numbers

Application	Version number
PREEvision client	26.1.2
PREEvision license server	3.1.0
PREEvision database server	26.1.0.07
PREEvision application server	26.1.2

Documentation

Manual	Version number
PREEvision manual	26.1.0
PREEvision configuration manual	26.1.0
PREEvision operating manual	26.1.1
PREEvision migration manual	26.1.0
PREEvision system requirements	26.1.0
PREEvision server API	26.1.0

7.2 Installation and compatibility information



For detailed information about the hardware and software requirements of PREEvision 26.1, refer to the PREEvision system requirements.



For detailed information about the installation of PREEvision 26.1, refer to the PREEvision operating manual.



For detailed information about the migration from PREEvision 10.x to PREEvision 26.1, refer to the PREEvision migration manual.

Compatibility

The PREEvision client, the database server and the PREEvision server are only compatible within exactly the same PREEvision version. Using a new client version on a previous server version or a previous client version on a new server version is not supported and may lead to data inconsistencies or data loss.

Client version	Server version	Database server script version	Metamodel change ID
26.0.0	26.0.0	26.0.0.02	2025-11-17
26.1.0	26.1.0	26.1.0.07	2026-04-07
26.1.1	26.1.1	26.1.0.07	2026-04-07
26.1.2	26.1.2	26.1.0.07	2026-04-07

Update and migration

For an update of an existing PREEvision collaboration platform environment, all components with a changed version number in the compatibility table must be updated, which includes:

- PREEvision client
- PREEvision database server script
- PREEvision application on the application server
- PREEvision monitoring server
- PREEvision broker:
  - PREEvision messaging server
  - PREEvision staging server
  - PREEvision administration server
- optional: PREEvision API server



For detailed instructions on how to update a PREEvision collaboration platform environment, refer to the PREEvision operating manual, chapter "Update".

7.3 Fixed issues

Fixed issues in PREEvision 26.1 SP2

You will find the important fixed issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Resolution
9082950154300763104, 9082950154300892112	When assigning a *Condition* to a *Splice* by creating a *Condition Assignment* in a *Wiring Diagram* or *Wiring System Diagram*, the *Wire Pin* of the *Splice* is assigned to the *Condition*. For populating *Condition*s on a *Splice*, an additional option **Show Conditions of Contained Pins** has been added to the **Populate Artifact** dialog. This option can be used for *Splice*s as well as for *Schematic Pin*s.
9082950154329740063	AUTOSAR ECU extract: The internal collection of the data to be exported has been corrected.
9082950154330113089	AUTOSAR import with merging: Imported attribute values are imported and merged correctly with existing *Attribute Definition*s.
9082950154323942105	The performance of an artifact collection during start of a ReqIF export has been optimized if the model contains many reused *Attribute Definition*s.
9082950154293160091, 9082949060729872101	On the login screen, selecting scopes via the drop-down list works properly again. The scope drop-down list remains open until you select a scope.
9082950154296603054	An error that could lead to high memory consumption when receiving model updates from the server has been resolved.

7.4 Known issues

Known issues in PREEvision 26.1 SP2

You will find the important known issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Known issue
8682711555165912106	ReqIF export: For empty attributes, the string defined in the **Text for empty Labels** property is exported instead of an empty string. By default, this is "---". **Workaround:** In the **Preferences**, under **PREEvision | General**, remove all characters from the **Text for empty Labels** property.
9082949059821032062	During KBL export with propagation, more artifacts are exported than were propagated. This is caused by an issue in the export framework. For example, it is currently not possible to export only a specific *Connector Location* if its *Installation Location* is part of the propagated artifacts, since all contained *Connector Location*s are exported. The exported KBL file however is valid.
9082949059853333059	When comparing two artifacts, in the **Compare** perspective one of the **Property View**s of the artifacts to be compared is, in some cases, not displayed in compare mode. **Workaround:** Close the **Compare** perspective and execute the artifact compare again.
9082949059891171896	Artifacts that have been unloaded from the temporary scope are kept in memory. **Workaround:** Commit the model to remove artifacts of the temporary scope from memory.
9082950129724501783	In some cases, when a *Report* includes a *Report Module* with double spaces at the end of the *Report Module*, the spaces are not maintained.
9082950154204021202	The *Add-in* customizing update does not reset the alias name of rules to the alias name of the upstream *Add-in*. This results in old names of the *Link LHS* and *Link RHS* and the representation in diagrams for relations that have been renamed in the meta model. This does neither affect the functionality of the rule nor the functionality of the relation in the rule.
9082950154143081804	Filtering and selecting artifacts via metric in a table is not working correctly. The filter is not applied even though the table indicates that a filter is active.

ID	Known issue
9082950154206170076	In the **Property View** of *Ticket*s, on the **Ticket Relations** property page, referenced artifacts in the **This ticket is linked to (outgoing)** table may display incorrect lifecycle states. **Workaround:** Open the **This ticket is linked to (outgoing)** table as standalone table in the editor area.
9082950154113631867	If the data type of an *Attribute Definition* is changed during an AUTOSAR software component update, for example by changing the value from integer to long, the existing data type of the *Attribute Definition* in the model is deleted and replaced by the new data type. Expectation: The existing data type should not be deleted, and the new data type used by the *Attribute Definition*.
9082950154263403042	Data types of *Attribute Definition*s in the administration are not handled correctly if the "replaceRelevanceFunction" port is used by the *Replace* metric block for an AUTOSAR import with replace.
9082950154335041804	When starting the PREEvision client, the following message can be displayed in sporadic cases: "Rich-Text/Report-Render-Engine has encountered a problem." The reason can be a high system load during startup. **Workaround:** Confirm the message by clicking **[OK]**. PREEvision automatically restarts the engine when it is needed, for example, when you edit formatted texts or generate a report. If the message is displayed again while you work with PREEvision, contact your administrator.

8 PREEvision 26.1 SP1

This chapter contains the following information:

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Test engineering and test management 108
Metrics 108
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8.1 Version numbers

Version numbers

Application	Version number
PREEvision client	26.1.1
PREEvision license server	3.1.0
PREEvision database server	26.1.0.07
PREEvision application server	26.1.1

Documentation

Manual	Version number
PREEvision manual	26.1.0
PREEvision configuration manual	26.1.0
PREEvision operating manual	26.1.1
PREEvision migration manual	26.1.0
PREEvision system requirements	26.1.0
PREEvision server API	26.1.0

8.2 Installation and compatibility information



For detailed information about the hardware and software requirements of PREEvision 26.1, refer to the PREEvision system requirements.



For detailed information about the installation of PREEvision 26.1, refer to the PREEvision operating manual.



For detailed information about the migration from PREEvision 10.x to PREEvision 26.1, refer to the PREEvision migration manual.

Automatic client update: file location changed

The location of the `UpdateApplication.jar` and the `AURAConfig.json` has been changed in the `PREEvisionCollaborationPlatform_<version>.zip` and in the built application server.

You will find the `UpdateApplication.jar` and an example of the `AURAConfig.json`:

- in the `PREEvisionCollaborationPlatform_<version>.zip` under: `..\PREEvisionCollaborationPlatform\aura\updater`
- in the built application server (vCollab) under `..\updater`

Compatibility

The PREEvision client, the database server and the PREEvision server are only compatible within exactly the same PREEvision version. Using a new client version on a previous server version or a previous client version on a new server version is not supported and may lead to data inconsistencies or data loss.

Client version	Server version	Database server script version	Metamodel change ID
26.0.0	26.0.0	26.0.0.02	2025-11-17
26.1.0	26.1.0	26.1.0.07	2026-04-07
26.1.1	26.1.1	26.1.0.07	2026-04-07

Update and migration

For an update of an existing PREEvision collaboration platform environment, all components with a changed version number in the compatibility table must be updated, which includes:

- PREEvision client
- PREEvision database server script
- PREEvision application on the application server
- PREEvision monitoring server
- PREEvision broker:
  - PREEvision messaging server
  - PREEvision staging server
  - PREEvision administration server

> optional: PREEvision API server



For detailed instructions on how to update a PREEvision collaboration platform environment, refer to the PREEvision operating manual, chapter "Update".

8.3 Fixed issues

Fixed issues in PREEvision 26.1 SP1

You will find the important fixed issues in the following tables. Please note that some issues depend on specific configurations, views, or models.

Further information

- Common
- AUTOSAR
- Communication
- Hardware architecture
- Change and release management
- Test engineering and test management
- Metrics
- Reports
- Collaboration
- Administration
- Installation

8.3.1 Common

ID	Resolution
9082950154269291800, 9082950154243912102	The **Reset Perspective...** and **Reset Perspective to Model Definition** actions work again.

8.3.2 AUTOSAR

ID	Resolution
9082949060710432004	AUTOSAR consistency checks in the context of *SW Port*s and port interfaces have been improved.
9082950154214403089	AUTOSAR import with merge: Changes to an *Attribute Definition*, such as renaming, no longer result in the *Attribute Definition* being deleted during the AUTOSAR import with merge. Instead, a new *Attribute Definition* is created.

8.3.3 Communication

ID	Resolution
9082950154263401917	DBC export: In PREEvision 26.0, the encoding of DBC files has changed due to an update of the Java version. The encoding settings in the PREEvision configuration file `dbc_import_export.properties` have now been adapted accordingly.

8.3.4 Hardware architecture

ID	Resolution
9082950154194202112	The execution of the populate metric using the *Populate* metric block does not close the opened diagram.

8.3.5 Change and release management

ID	Resolution
9082949060810560072	The changelog is properly triggered when changing relations (segue links) assigned to the *Change Profile*.

8.3.6 Test engineering and test management

ID	Resolution
9082950154215842008	The new URL format is supported within the TDM toolchain. Thus, importing test implementation artifacts from vTESTstudio and importing test reports from CANoe is possible again, if *Test Specification* data exported with PREEvision version 26.1 contains links in the new URL format.

8.3.7 Metrics

ID	Resolution
9082950154188432101	In a tree comparison, type *Definition Set* assignments are only identified as different if the *Attribute Definition* itself is different.
9082950154214622044	The *Compare Model Tree* metric block correctly handles newly created artifacts with Aggregated-Head Links.

ID	Resolution
9082950154204010124	Java arrays can be used in *API Server Calculation* metric blocks and *Server Calculation metric* blocks.

8.3.8 Reports

ID	Resolution
9082950154281242102	Generating reports with read-only access in the administration is now possible again.

8.3.9 Collaboration

ID	Resolution
9082950154117792024	If the user cancels the startup of PREEvision because of a memory warning, then, after the second startup, the scope is complete.
9082950154230942042	It is possible again to merge *Product Line*s, even if the active scope does not contain the *Repository Root*.
9082950154213131993	After the restart of the authentication gateway the first OpenID Connect authentication no longer fails.

8.3.10 Administration

ID	Resolution
9082950154225192006	On the **Deprecated Custom Attributes** property page, content is displayed correctly, even if *Attribute Definition*s in the *Local Administration* do not have an application type set.
9082950154244162012	The metadata created by the *Add-in* delivery to accelerate *Add-in* selection could not be used in case the initialization parameter `java.io.tmpdir` was set from the default location to a relative path. The acceleration is now also available if a relative path is used.
9082949060609812012, 9082949060639711808, 9082950154228061808, 9082949060699831037	XMIIDs in segue links are properly replaced now, which prevents caching of temporary artifact IDs. This also resolved the error that the server had to be restarted after committing artifacts with segue links, for example, as part of an *Add-in* installation.
9082950154213121993	The logging of the authentication gateway (vCollabAuthentication) works properly now.

8.3.11 Installation

ID	Resolution
9082950154228461993	It is now possible to install and run several data collectors on the monitoring server.
9082950154212821993	The `UpdateApplication.jar` file that is contained in the application server is now correct after the build process.
9082950154222552054	The automatic update of the PREEvision client is properly executed, even if the Windows **Explorer** is opened on the client's root folder.

8.4 Known issues

Known issues in PREEvision 26.1 SP1

You will find the important known issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Known issue
8682711555165912106	ReqIF export: For empty attributes, the string defined in the **Text for empty Labels** property is exported instead of an empty string. By default, this is "---". **Workaround:** In the **Preferences**, under **PREEvision | General**, remove all characters from the **Text for empty Labels** property.
9082949059821032062	During KBL export with propagation, more artifacts are exported than were propagated. This is caused by an issue in the export framework. For example, it is currently not possible to export only a specific *Connector Location* if its *Installation Location* is part of the propagated artifacts, since all contained *Connector Location*s are exported. The exported KBL file however is valid.
9082949059853333059	When comparing two artifacts, in the **Compare** perspective one of the **Property View**s of the artifacts to be compared is, in some cases, not displayed in compare mode. **Workaround:** Close the **Compare** perspective and execute the artifact compare again.
9082949059891171896	Artifacts that have been unloaded from the temporary scope are kept in memory. **Workaround:** Commit the model to remove artifacts of the temporary scope from memory.
9082950129724501783	In some cases, when a *Report* includes a *Report Module* with double spaces at the end of the *Report Module*, the spaces are not maintained.
9082950154204021202	The *Add-in* customizing update does not reset the alias name of rules to the alias name of the upstream *Add-in*. This results in old names of the *Link LHS* and *Link RHS* and the representation in diagrams for relations that have been renamed in the meta model. This does neither affect the functionality of the rule nor the functionality of the relation in the rule.
9082950154143081804	Filtering and selecting artifacts via metric in a table is not working correctly. The filter is not applied even though the table indicates that a filter is active.

ID	Known issue
9082950154206170076	In the **Property View** of *Ticket*s, on the **Ticket Relations** property page, referenced artifacts in the **This ticket is linked to (outgoing)** table may display incorrect lifecycle states. **Workaround:** Open the **This ticket is linked to (outgoing)** table as standalone table in the editor area.
9082950154113631867	If the data type of an *Attribute Definition* is changed during an AUTOSAR software component update, for example by changing the value from integer to long, the existing data type of the *Attribute Definition* in the model is deleted and replaced by the new data type. Expectation: The existing data type should not be deleted, and the new data type used by the *Attribute Definition*.
9082950154263403042	Data types of *Attribute Definition*s in the administration are not handled correctly if the "replaceRelevanceFunction" port is used by the *Replace* metric block for an AUTOSAR import with replace.

9 PREEvision 26.1

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9.1 Version numbers

Version numbers

Application	Version number
PREEvision client	26.1.0
PREEvision license server	3.1.0
PREEvision database server	26.1.0.07
PREEvision application server	26.1.0

Documentation

Manual	Version number
PREEvision manual	26.1.0
PREEvision configuration manual	26.1.0
PREEvision operating manual	26.1.0
PREEvision migration manual	26.1.0
PREEvision system requirements	26.1.0
PREEvision server API	26.1.0

9.2 Installation and compatibility information



For detailed information about the hardware and software requirements of PREEvision 26.1, refer to the PREEvision system requirements.



For detailed information about the installation of PREEvision 26.1, refer to the PREEvision operating manual.



For detailed information about the migration from PREEvision 10.x to PREEvision 26.1, refer to the PREEvision migration manual.

Automatic client update

The application update and release assistant enables the PREEvision client to be automatically updated without any user interaction:

- Full client updates can be provided upon client startup.
- The application update must be enabled and configured on the application server. Additionally, the update must also be enabled on the PREEvision clients.
- The client update files can be located at a fileshare location or downloaded via staging.
- The download can be executed in advance, so that clients get the update files in advance. As soon as a compatible server is available, the update is installed automatically, which enables a faster installation process.
- The administration panel provides the new **Application Update** page to define settings for the update and trigger the release of the client update.

Proxy settings

The configuration options for proxy settings on the client and on the server have been expanded and improved. By default, proxy settings are defined in the client **Preferences**. Additionally, the proxy settings are applied immediately after clicking **[Apply]**.

Alternatively, you can define the proxy settings on client startup via JVM parameters. Therefore, add the following parameter to the `PREEvision.ini`:

```
-Dorg.eclipse.net.core.enableProxyService=false
```

Additionally, add JVM parameters for the proxy settings.

On the application server, the API server, the messaging server, and the administration server, you can also optionally define proxy settings via JVM parameters on server startup, for example:

```
-Dhttp.proxyHost
-Dhttp.proxyPort
-Dhttps.proxyHost
-Dhttps.proxyPort
...
```

System requirements

The following system requirements have been changed:

- Amazon Corretto version 25.0.2.10.1 is provided with the PREEvision client installation. It is recommended to use this version on all server components as well.
- Apache Tomcat 11 is now required for all server components. It is recommended to use Apache Tomcat version 11.0.21.
- The standalone license server is available in the new version 3.1.0. When you use the standalone PREEvision license server (RMI), it is recommended to update the license server to the new version 3.1.0. Amazon Corretto that is provided with the Windows installer of version 3.1.0 has been updated to version 25.0.2.10.1.

Collaboration platform installation and server configuration

The redirect server has been introduced to provide PREEvision URLs. The new server application vCollabRedirect can be deployed in the messaging server or in a separate Tomcat. If you set `build.combine.associated.components=true` in the `deploy.properties`, the vCollabMessaging server automatically combines the applications vCollabMessaging, vCollabAuthentication, and vCollabRedirect.

In the `deploy.properties`, you can define the following properties for the vCollabRedirect application:

- `vCollabRedirect.context.name`: Name of the web application and name of the generated WAR file
- `vCollabRedirect.server`: URL used by a client to access the redirect server. Change the URL if the client may access the redirect server via a proxy. In this case, enter the address of the proxy.

The following parameter is no longer required for the startup of Apache Tomcat. Remove it from the Apache Tomcat startup parameters of all server components:

```
-Djava.security.manager=allow
```

With the use of Java 25, additional parameters are required for the startup of Apache Tomcat. Add the following parameters to the Apache Tomcat startup parameters of all server components:

```
-Djdk.xml.maxGeneralEntitySizeLimit=0
-Djdk.xml.totalEntitySizeLimit=0
-XX:+UseCompactObjectHeaders
```

Compatibility

The PREEvision client, the database server and the PREEvision server are only compatible within exactly the same PREEvision version. Using a new client version on a previous server version or a previous client version on a new server version is not supported and may lead to data inconsistencies or data loss.

Client version	Server version	Database server script version	Metamodel change ID
26.0.0	26.0.0	26.0.0.02	2025-11-17
26.1.0	26.1.0	26.1.0.07	2026-04-07

Update and migration

For an update of an existing PREEvision collaboration platform environment, all components with a changed version number in the compatibility table must be updated, which includes:

- PREEvision client
- PREEvision database server script
- PREEvision application on the application server
- PREEvision monitoring server
- PREEvision broker:
  - PREEvision messaging server
  - PREEvision staging server
  - PREEvision administration server
- optional: PREEvision API server



For detailed instructions on how to update a PREEvision collaboration platform environment, refer to the PREEvision operating manual, chapter "Update".

9.3 New features in PREEvision 26.1

Further information

- > Systems engineering
- > Software and diagnostic design
- > Wiring harness design
- > Product line engineering
- > Configuration
- > Administration
- > Usability improvements
- > Server API

9.3.1 Systems engineering

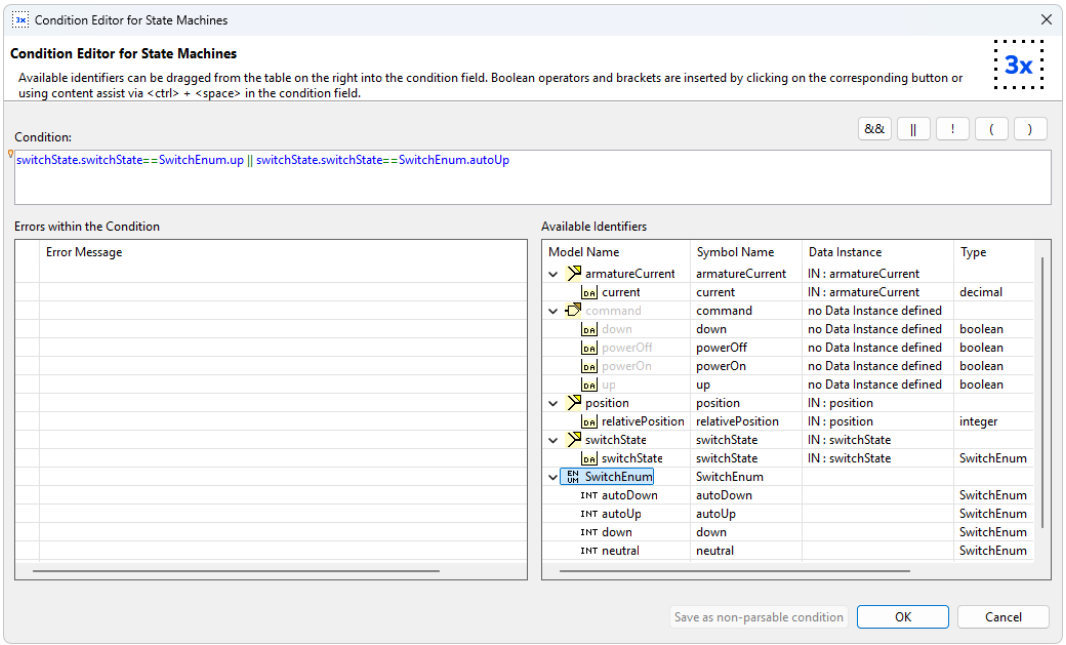
Publishing and rendering sequence diagrams

Sequence diagrams can now be published as SVG file via context menu or the Publish Diagram metric block. Additionally, SVG files can be opened via double-click in the internal web browser.

Sequence diagrams can now be rendered as image via context menu or the Render Diagram metric block.

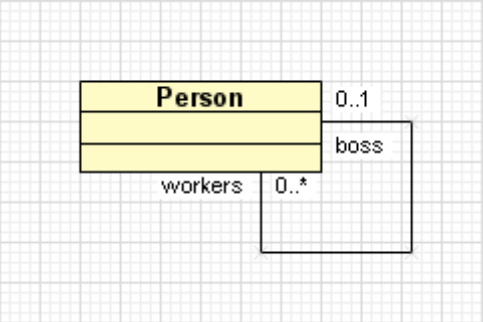
Support of enumerations in conditions

For Activity Diagrams and State Machine Diagrams, *Application Enumeration Type*s are now supported in condition expressions for all data providers, for example, to compare a data element to all defined literals of its enumeration type.

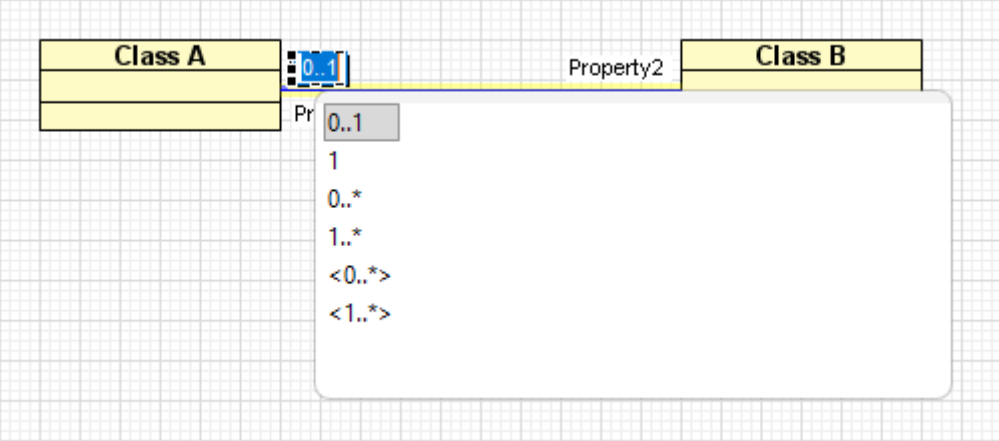


Self-associations and usability improvements for class diagrams

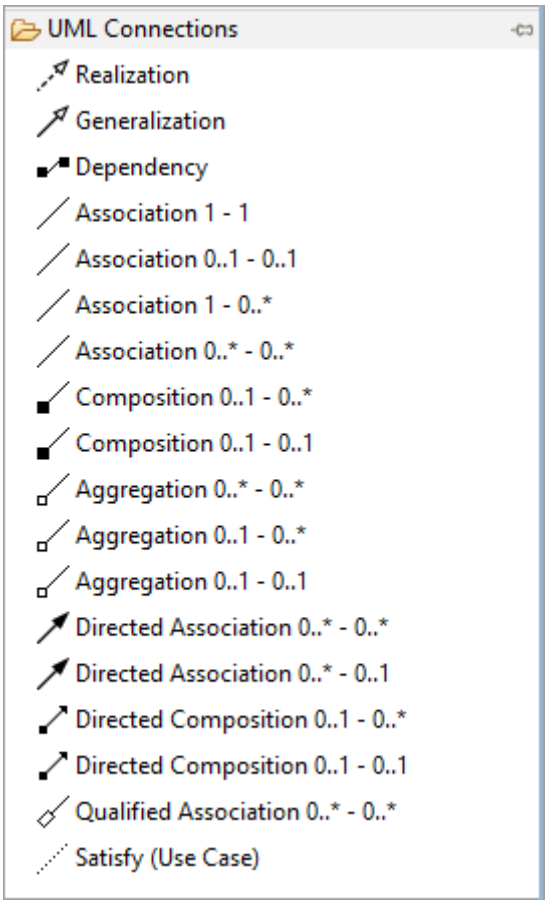
For *Class Diagram*s, it is now possible to create self-associations.



Pressing **<F2>** allows you to change multiplicities in the diagram.



New palette entries have been implemented to create relations with common multiplicities.



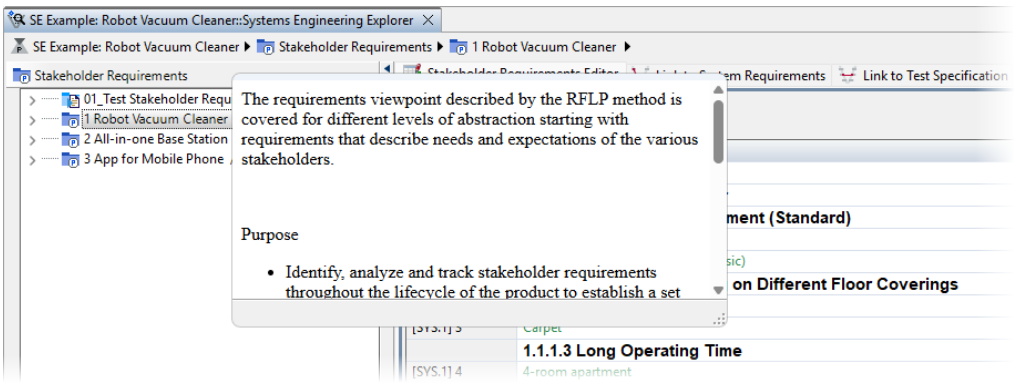
Generating UML model from java code

UML model elements can be generated via copy and paste of Java code or via drag and drop of a Java file into a *Class Diagram*.

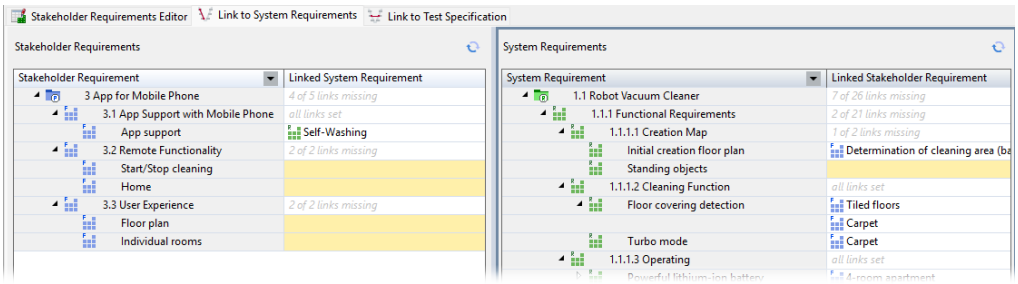
Systems engineering explorer updates

The following changes have been implemented for the **Systems Engineering Explorer**:

- When switching categories, for example, the current selection is persisted.
- Switch between name and description for requirements and Test Items with the new button.
- When hovering over a category, a tooltip now appears.



> The number of missing links is aggregated in the hierarchy of the traceability tables.



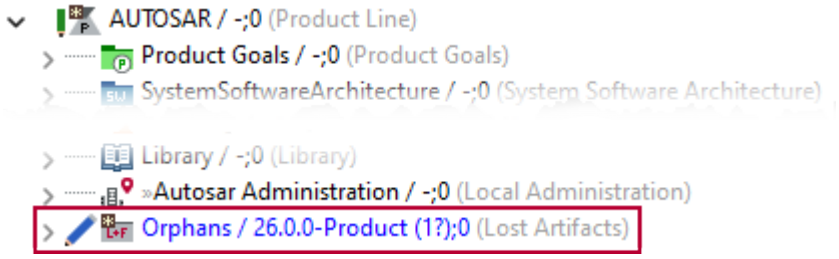
> The "SE Example: Robot Vacuum Cleaner" example in the PREEvision demo model is enhanced.

9.3.2 Software and diagnostic design

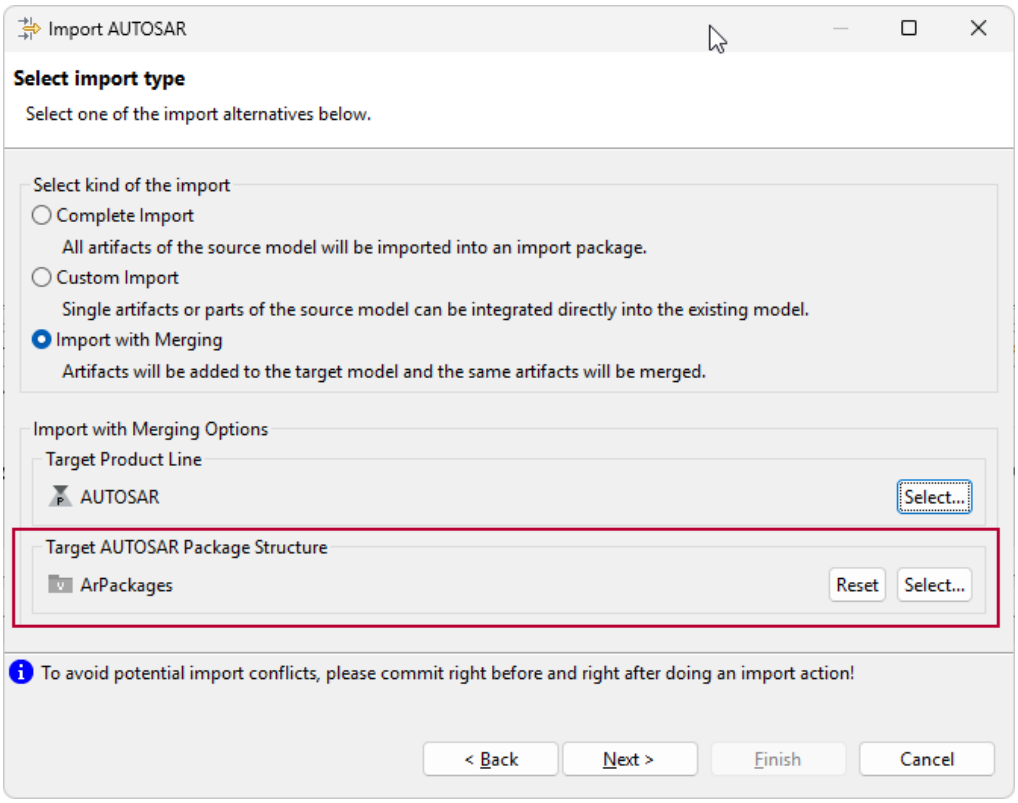
Improvements for AUTOSAR import with merging

The AUTOSAR import with merging has been optimized:

> Artifacts with no defined location in the target *Product Line* are imported into a *Lost Artifacts* package. From there they can be manually moved to the right location in the model.



> The selection of an AUTOSAR package structure in the import wizard has been simplified.

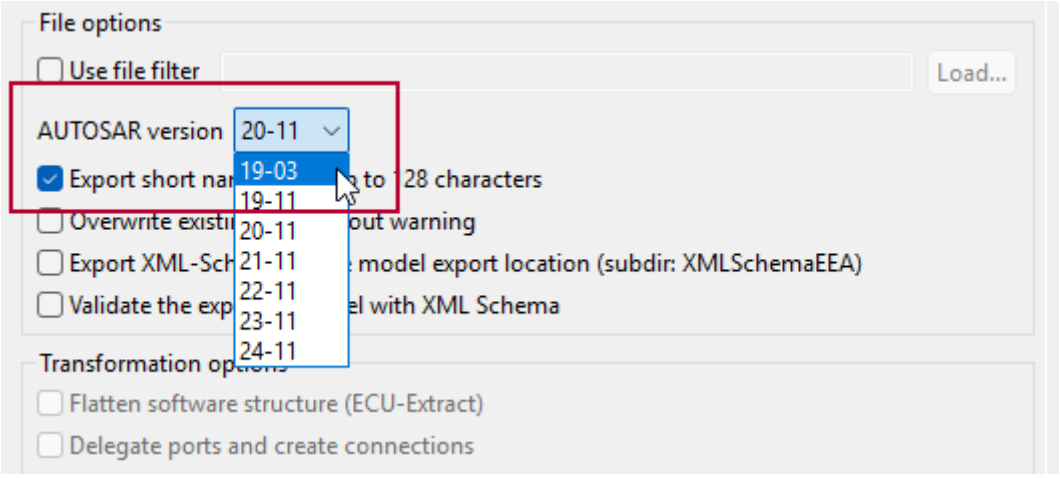


> Import with merging can be executed in the current working *Scope*. There is no need to load a special *Scope* before import with merging anymore.

> Renaming the target *Product Line* is not necessary anymore.

Support of AUTOSAR 19-03 and 19-11

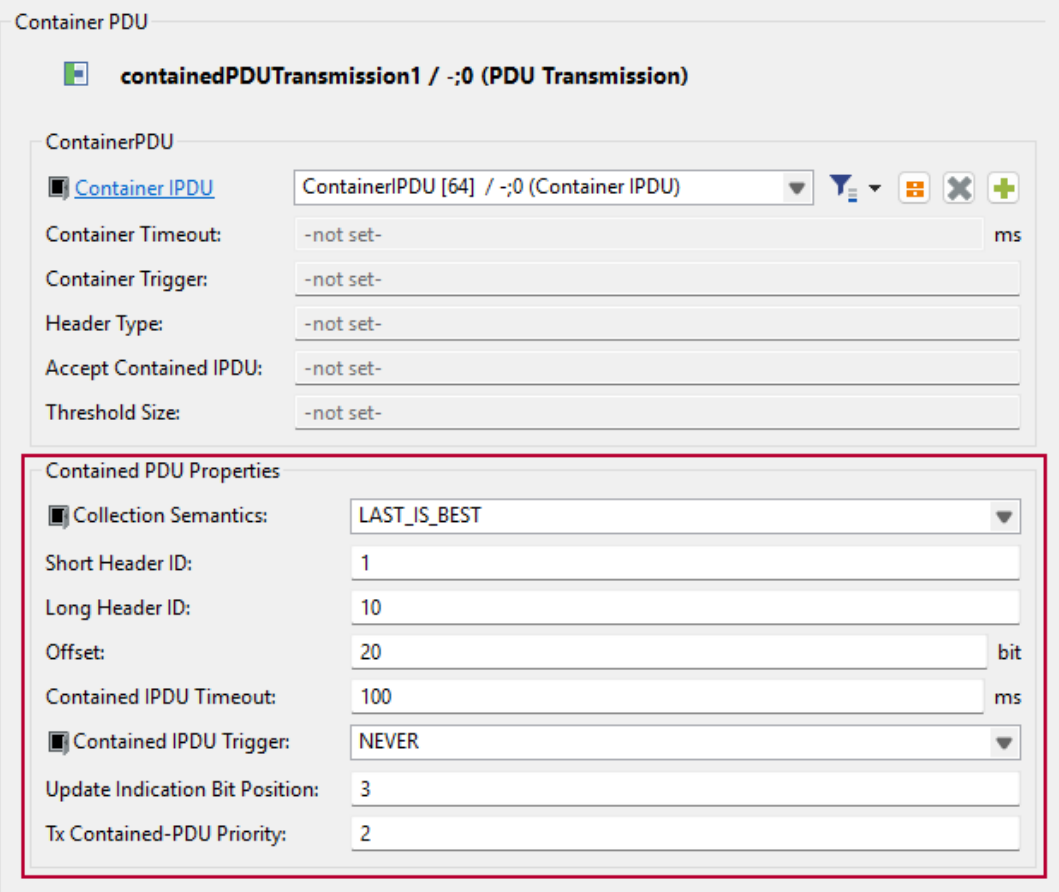
The AUTOSAR releases 19-03 and 19-11 for AUTOSAR Adaptive are supported.



Note: Concepts in AUTOSAR 19-03 or 19-11 that were introduced to PREEvision later than version 9.5 are not supported by the 19-03 and 19-11 export.

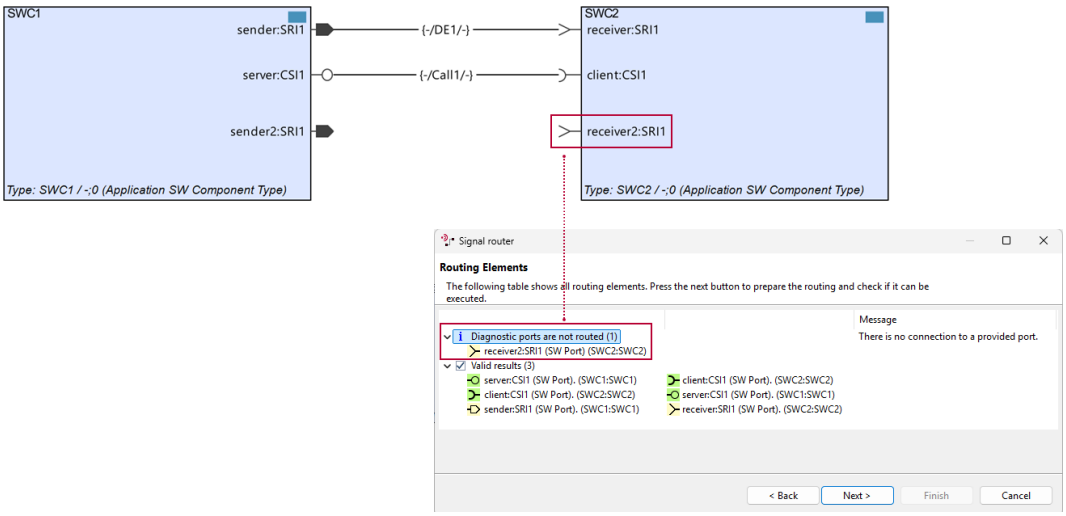
Support of container IPDU properties

As of AUTOSAR 21-11, an additional concept for describing `PDU-TRIGGERING`-specific contained properties is available. This concept for `IPdu`s contained in a ContainerIPdu is now supported.



Signal router for diagnostic and service ports

The signal router ignores unconnected required diagnostic and service ports. The signal router wizard informs the user about such ports and executes the routing of connected ports.



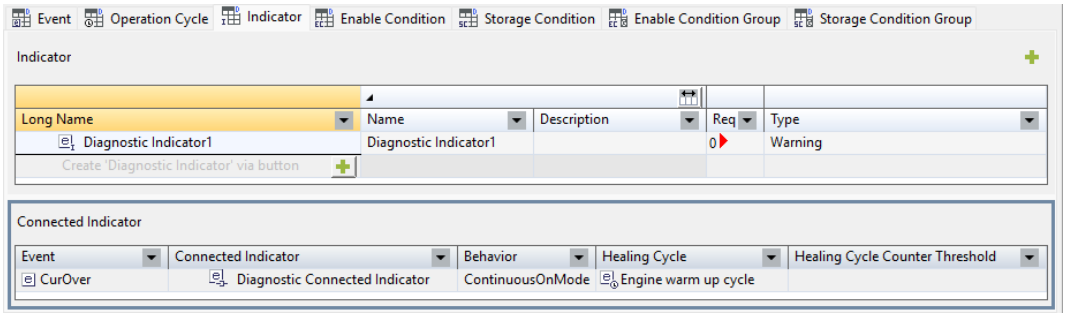
Optimization for consistency checks

Consistency checks for software, communication, and diagnostic design have been optimized:

> New naming convention has been applied.
> Severity and error message have been adapted.
> Performance of the checks has been optimized.
> Checks were assessed for redundancy and logic.

Tables for diagnostic indicators

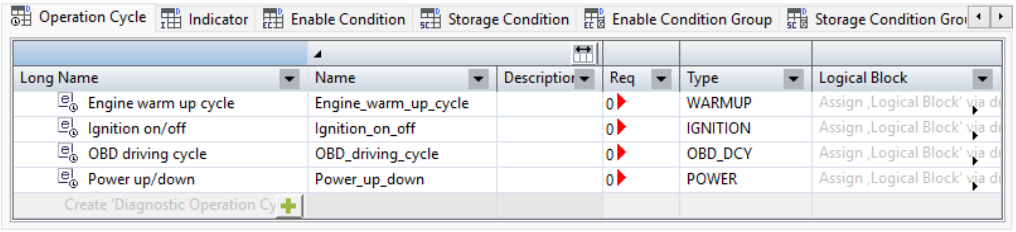
Diagnostic indicators provide visual cues regarding the operational status of the system. The Diagnostic Concept Explorer and the Diagnostic Realization Explorer provide dedicated tables to create *Diagnostic Indicator*s and assign them to *Diagnostic Event*s.



Naming convention for diagnostic artifacts

The naming of diagnostic artifacts in the Diagnostic Concept Explorer and the Diagnostic Realization Explorer has been simplified:

> In all diagnostic explorer tables, the focus is on the attribute **Long Name**.
> A new naming convention for the attributes **Long Name** and **Name** ensures AUTOSAR compliant naming.

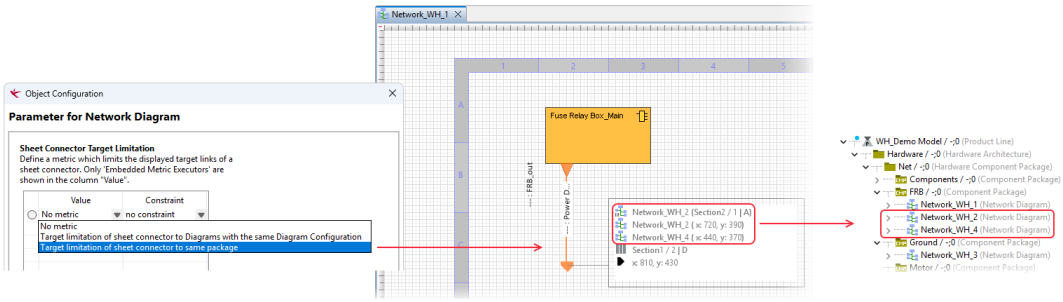


9.3.3 Wiring harness design

Limiting the display of sheet connector targets

When splitting a connection between artifacts in diagrams of the *Hardware Architecture*, *Sheet Connector*s are created at the ends of the split connection. Each *Sheet Connector* has an associated link box that references the corresponding target at the other end of the split connection. The link box allows you to navigate to the corresponding targets even if the targets are located in different diagrams.

The display of the Sheet Connector targets can be limited in the object configuration by means of using metrics. For example, the display of the *Sheet Connector* targets can be limited to those diagrams which are contained in the same package as the source diagram.

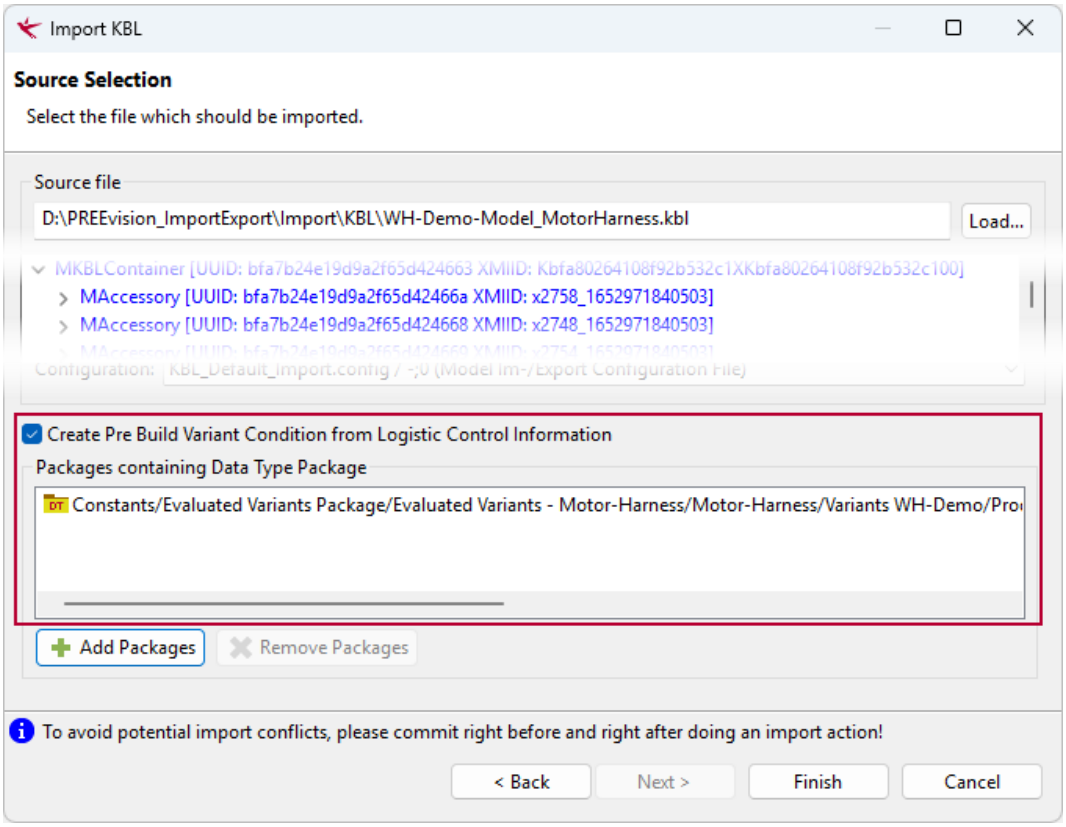


If no metric is defined or if no metric is selected in the object configuration, the display of the *Sheet Connector* targets is limited to diagrams located in the same *Product Line*. *Sheet Connector* targets in diagrams located in other *Product Line*s are never displayed.

KBL import: importing logistic control information

A new import option for importing logistic control information is available in the **Import KBL** wizard. When importing logistic control information, the variant information in the logistic control information is parsed and compared with existing *String Literal*s in the model. If matches are found, the variant information is extracted as boolean expressions, imported as *Pre Build Variant Condition* and linked to the found *String Literal*s in the model.

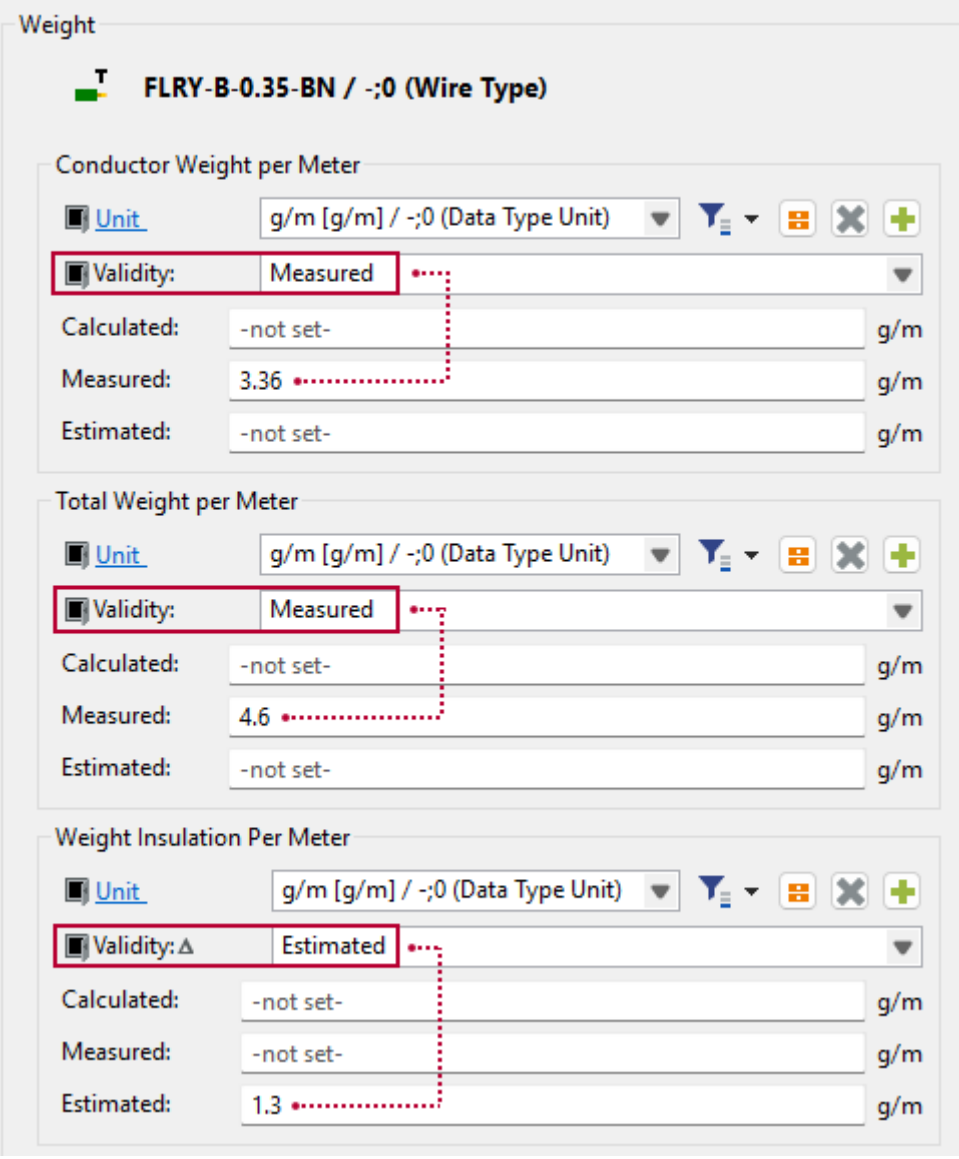
To compare the variant information in the logistic control information with existing *String Literal*s in the model, *Data Type Package*s containing appropriate *String Literal*s must have been defined and selected during import.



For the import of logistic control information via metric, the *KBL Import Post Operations* block provides a new optional input port "createPreBuildVariantCondition" to control the import of logistic control information.

KBL export: exporting validity attributes for weight information

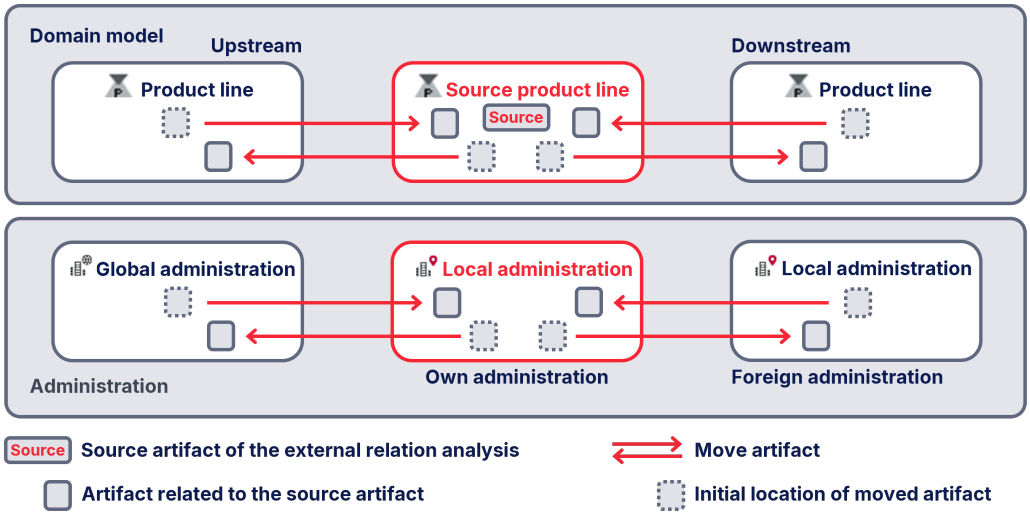
For hardware artifacts which have assigned weight information, the validity of the weight information is considered for the export. This means, the individual values defined for the selected **Validity** "Measured", "Estimated" or "Calculated" are exported.



9.3.4 Product line engineering

External relation analyzer

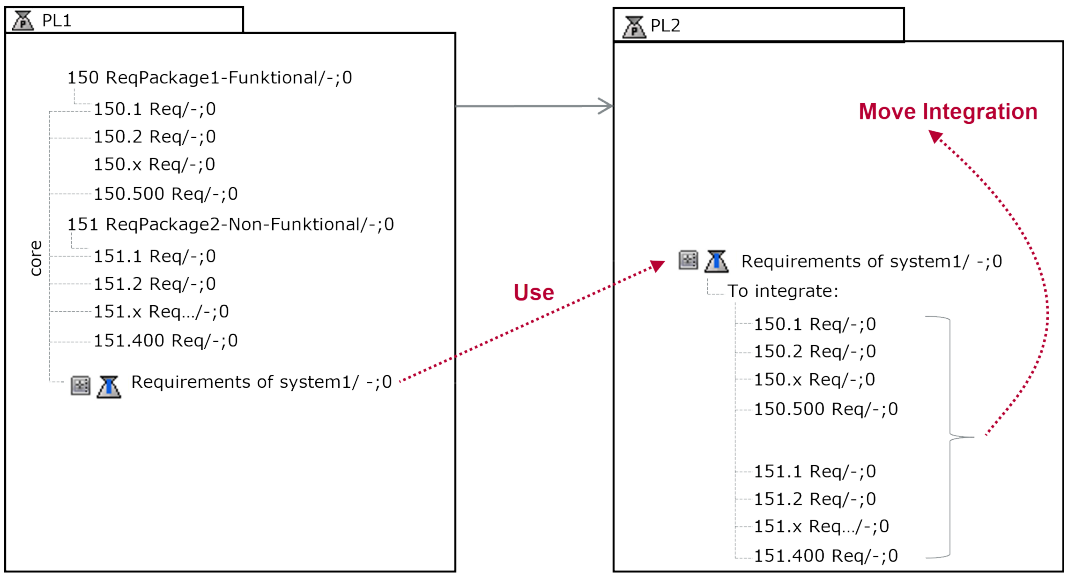
The External Relation Analyzer has been adapted to handle external relations between artifacts of the domain model and the administration.



Improved integration of asset artifacts

The merging of updated Asset artifacts with integration target candidates that have conflicting to-one relations can now be performed automatically.

Integrating many *Asset* artifacts with a suborder, such as requirements or test items, via move has been significantly accelerated by preserving artifacts' suborder IDs.



Core integration artifacts are now temporary

When integrating *Asset*s, the artifacts being integrated are transiently stored below hidden *Core Integration* artifacts. The *Core Integration* artifacts that previously remained in the model are now removed after integration.

To remove existing, empty *Core Integration* artifacts residing outside of checked-in *Product Line*s or administrations from the model, install the "Product Line Engineering Software and Diagnostics" or " Product Line Engineering Wiring Harness Workflow" *Add-in*. Then, execute **EEArchitecture | EEArchitectureOperations | Delete Unused Core Integration Artifacts**. The same is executed for *Boundary Integration* artifacts as the boundary is an obsolete concept but empty *Boundary Integration* artifacts could remain in the model. This will also delete hidden, empty *Boundary Integration* artifacts that may have remained from an application of the obsolete boundary concept.

Asset update monitoring

Reproducible *Asset* updates in terms of behavior and performance were achieved by determining the update sequence for multiple *Asset*s of the same model.

The new "M1.10 Asset Update" performance monitoring (PMON) measurement provides statistical data on each updated *Asset*. This includes the total number of core, replaced, displaced, and automatically integrated artifacts, as well as artifacts yet to be integrated.

9.3.5 Configuration

Import of custom attributes

*Attribute Definition*s including their configuration artifacts, i.e. application data types, literals, and *Data Type Unit*s, are stored in the administration.

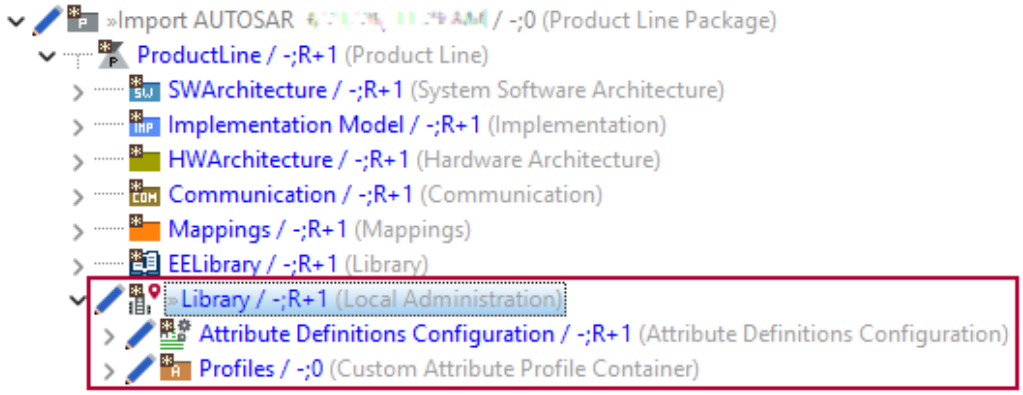
The following imports have been adapted to import *Attribute Definition*s and their configuration artifacts into the *Local Administration*:

- AUTOSAR
- Diagnostics (PVCDI)
- DBC

The *Global Administration* is not affected by these imports.

Import of custom attribute profiles

A full AUTOSAR import or import with merging and replacing creates or updates *Custom Attribute Profile*s only in the *Local Administration*. The *Global Administration* is not affected by imports.



Variant export with custom attributes

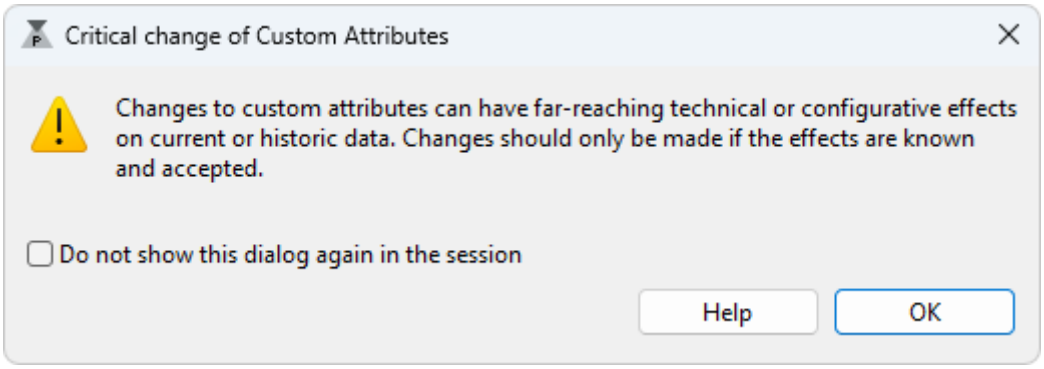
For exporting variants with custom attributes, it is not necessary to include *Attribute Definition*s as part of the variant. *Attribute Definition*s that are assigned to a *Custom Attribute Profile* are included in the export.

The following exports have been adapted accordingly:

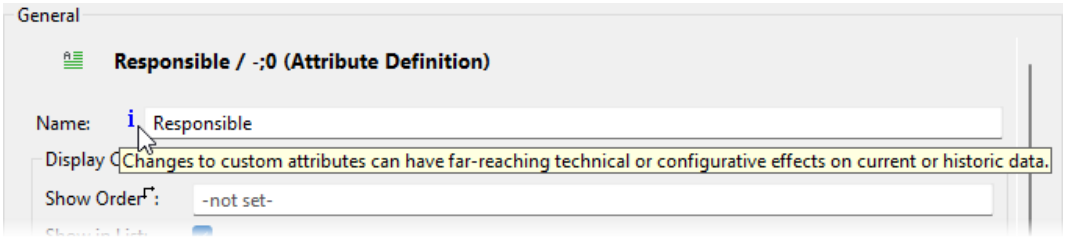
- AUTOSAR
- Diagnostics (PVCDI)
- DBC

Changing custom attributes

To prevent unintentional changes, a warning dialog is displayed when you change the *Attribute Definition* of a custom attribute.

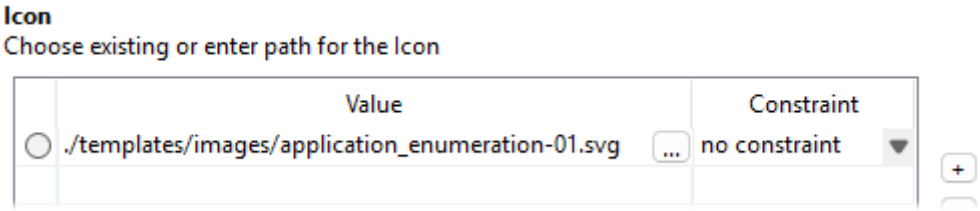


In the **Property View**, an information icon is displayed for certain attributes of *Attribute Definition*s. A tooltip on the information icon informs you that changes of *Attribute Definition*s can have major impacts on the existing model.



SVG graphics for icons in the object configuration

You can reference SVG graphics (Scalable Vector Graphics) as icon in the **Object Configuration**. This allows you to provide high-resolution icons for your configuration artifacts.



9.3.6 Administration

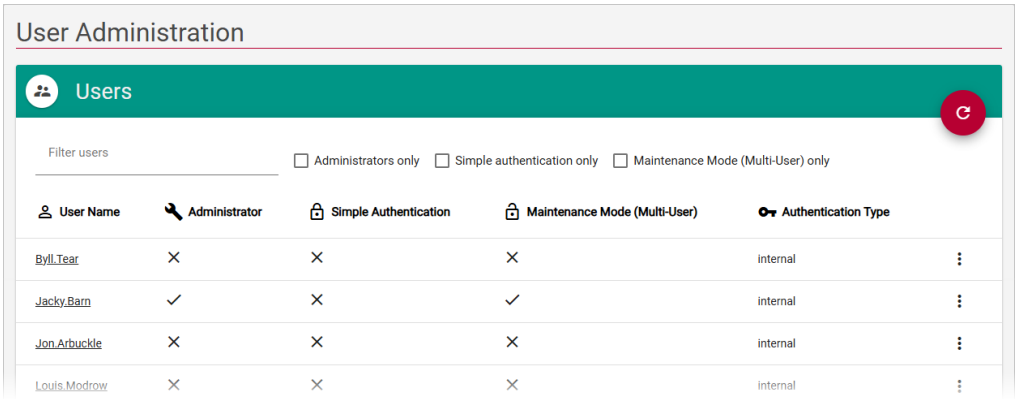
Multi-user maintenance mode

In former PREEvision versions, the maintenance mode permitted access to the model exclusively for the administration user that activated the maintenance mode (single-user maintenance mode). PREEvision 26.1 introduces a multi-user maintenance mode in addition to the existing single-user maintenance mode. In the

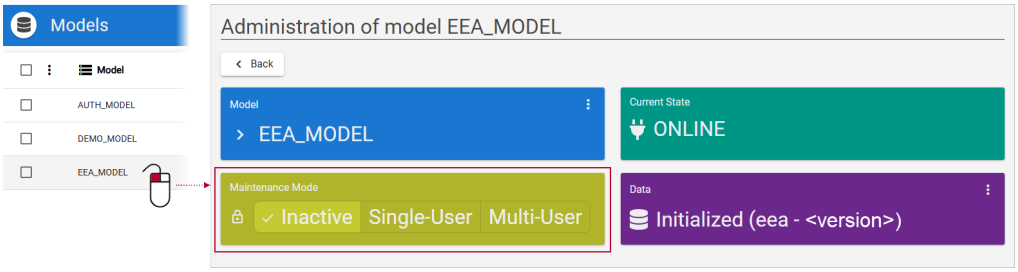
user administration, you can define additional users that can access models in multi-user maintenance mode. For example, this enables you to involve a user group for performing release acceptance tests.

For the multi-user maintenance mode, the following changes have been implemented in the PREEvision client and the administration panel:

- In the PREEvision client, the User Management view provides a new option **Maintenance Mode (Multi-User)** that can be activated for users. If the option is activated, the user can access all models for which the multi-user maintenance mode is activated.
- In the PREEvision client, the Model Management view displays two columns for the maintenance mode:
  - **Maintenance Mode**: Displays the type of maintenance mode.
  - **Maintenance Mode Owner**: Displays the user that activated the maintenance mode and the date and time when the maintenance mode was activated.
- The administration panel provides the new page **Users** to display existing users and edit the options **Administrator**, **Simple Authentication**, and **Maintenance Mode (Multi-User)**.



- In the administration panel, the **Models** page displays the type of maintenance mode in the **Maintenance Mode** column. In the model administration, you can activate the maintenance mode and switch between single-user and multi-user maintenance mode.

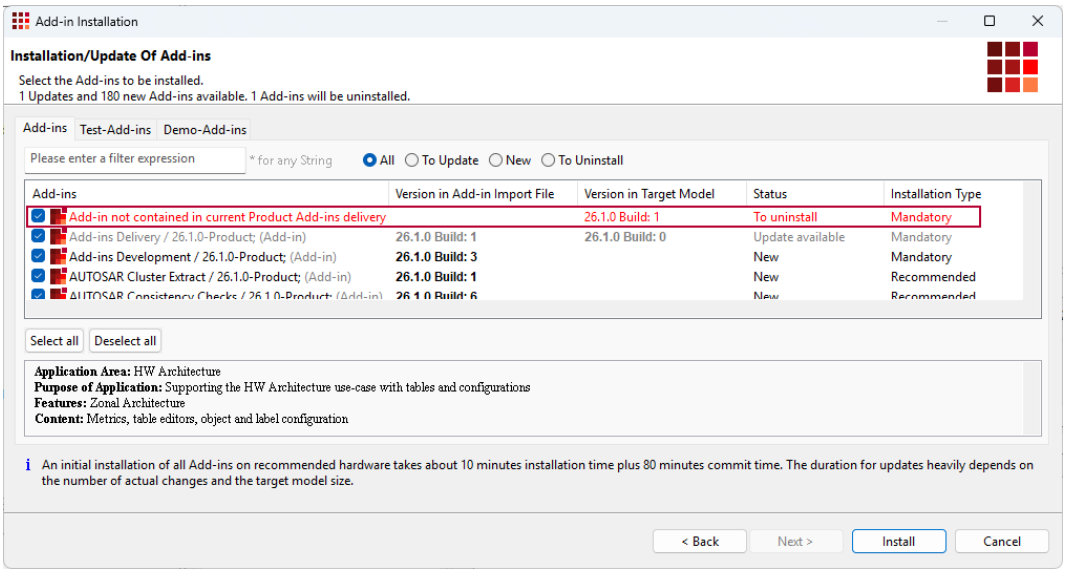


- The maintenance mode can no longer be activated and deactivated via the **Model Management** view in the PREEvision client.

Add-in installation

The **Add-in Installation** wizard now displays all *Add-in*s from a delivery model immediately after the model has been selected. The wizard only fully loads the *Add-in*s when the installation starts, making handling much friendlier for users.

Additionally, the **Add-in Installation** wizard displays the *Add-in*s to uninstall, eliminating the previous confirmation dialog.



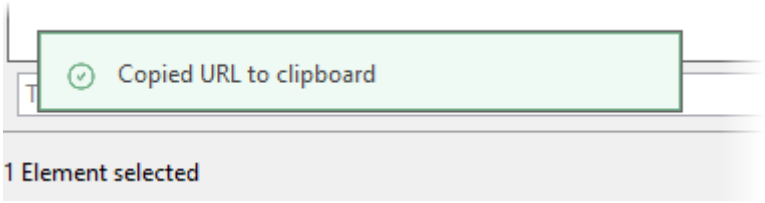
9.3.7 Usability improvements

PREEvision URLs

For creating links in PREEvision, the HTTPS protocol is used. Thus, URLs to artifacts can also be used in applications such as Microsoft Outlook or Microsoft Teams.

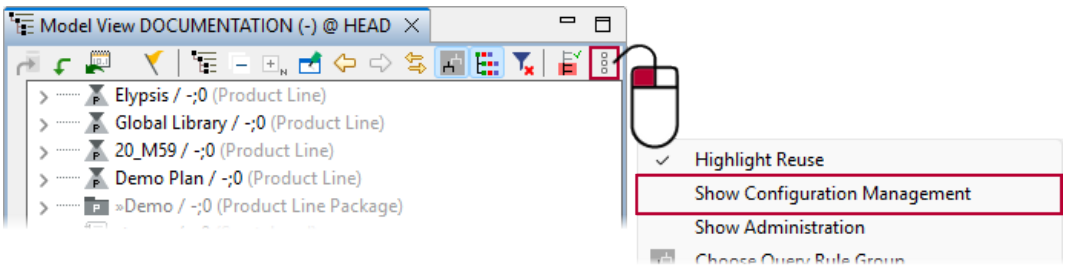
- The existing URL functionality remains unchanged.
- URLs that have been created in former PREEvision versions remain functional.

In addition, creating URLs in PREEvision has been simplified. A notification in the bottom left corner informs you that the URL has been successfully copied to the clipboard.

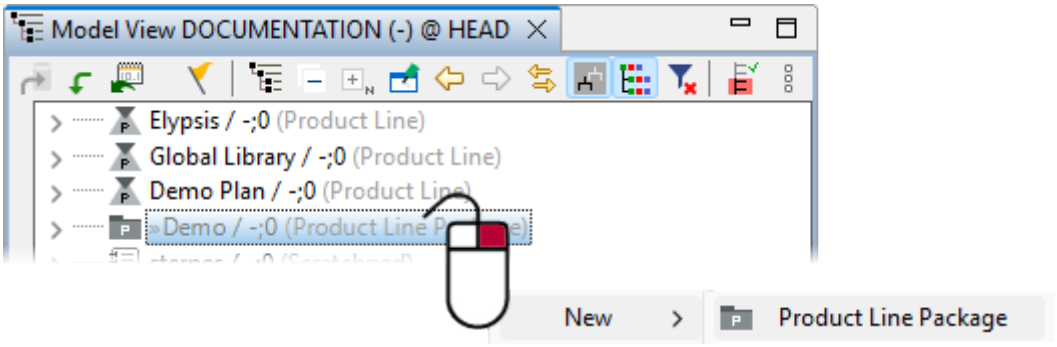


Working without configuration management

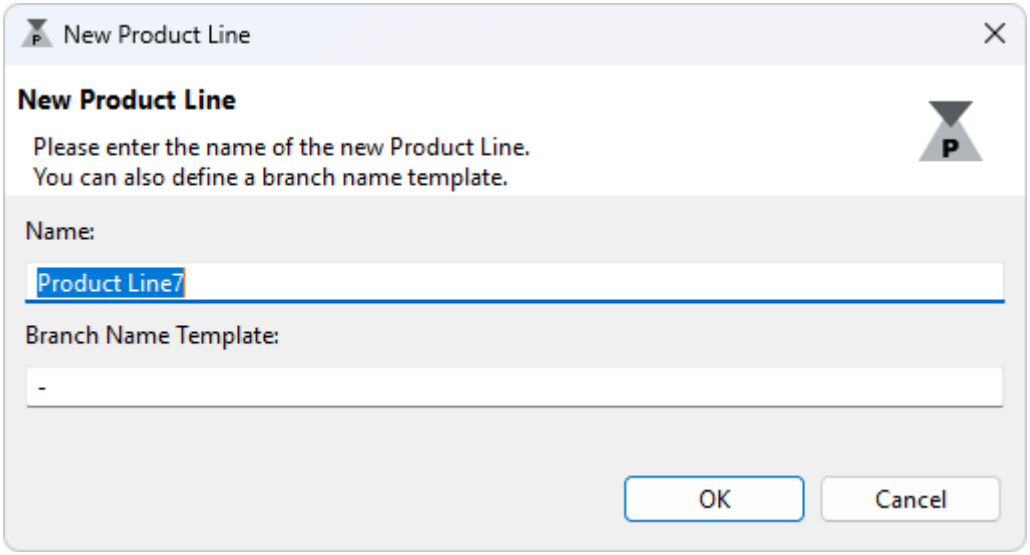
By default, the *Configuration Management* is not displayed in the **Model View**.



Product Line Packages, which technically reside in the *Configuration Management*, can now be created and edited directly in the model tree. A newly created *Product Line Package* is selected, and the in-place edit mode is active.

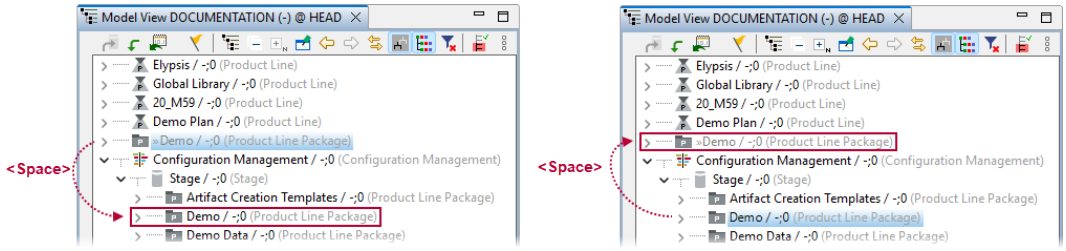


Product Lines can be created below virtual representations of *Product Line Packages* in the model tree. A newly created *Product Line* is selected. The in-place edit mode is not active, because the **New Product Line** dialog already asks for the **Name** and **Branch Name Template**.



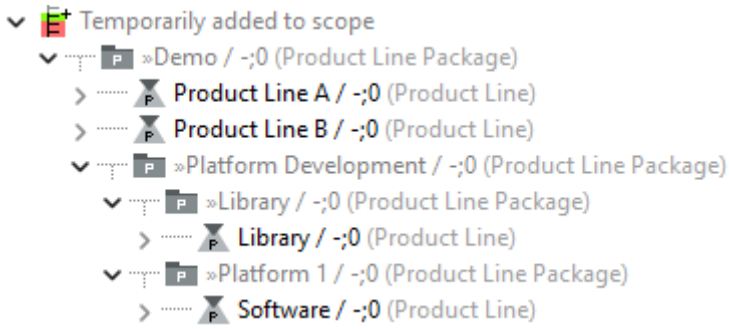
Navigation with displayed configuration management

Pressing **<Space>** allows you to jump from the virtual representation of a *Product Line Package* in the model tree to the *Product Line Package* in the *Configuration Management* and vice versa.



Product line packages in the temporary scope

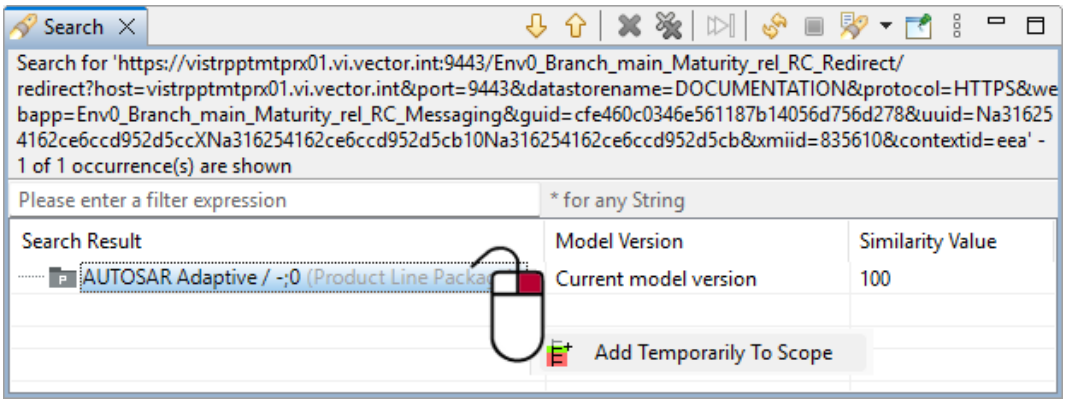
The **Temporarily added to scope** folder in the **Model View** displays the assigned *Product Line Package*s structure instead of only the contained *Product Line*s.



Adding product line packages to the temporary scope

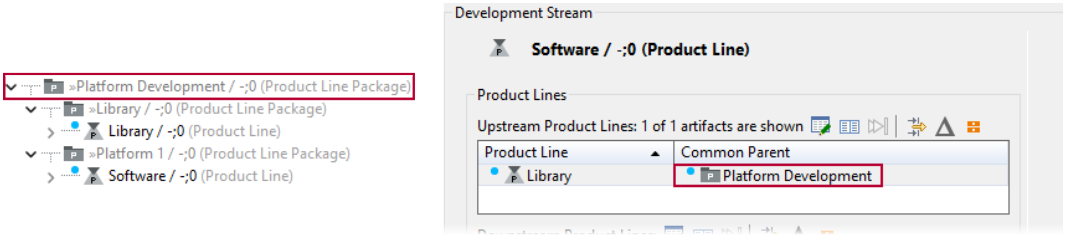
*Product Line Package*s are part of the *Configuration Management*. Therefore, their description is always available on a client. To view the content of a *Product Line Package*, you can add it to your scope.

To add a *Product Line Package* temporarily to your scope, you can, for example, paste the URL of the *Product Line Package* into the search field of the **Model View**. In the Search result view, open the context menu on the *Product Line Package* and select **Add Temporarily To Scope**.



Common parent of product lines

For relations between *Product Line*s, the **Common Parent** column in **Property View** tables now shows the logical parent artifact, i.e. a *Product Line Package*, instead of the technical parent artifact, i.e. the *Repository Root*.



9.3.8 Server API

Server API extension for get meta class REST call

The response of the REST calls `/<model>/metamodel/<meta class>` and `/<model>/artifacts/[xmiid]/metaclass` has been extended by the following information:

- sub classes of the meta class
- super classes of the meta class
- additional information for attributes (`contextAttribute`, `autoValueAttribute`, `readOnly`, `volatile`, `distributedVolatile`)
- additional information for relations (`oppositeRoleName`, `isOrderRelevant`, `isOppositeOrderRelevant`, `isMultiple`, `isOppositeMultiple`, `isComposite`, `isOppositeComposite`)

9.4 Configuration information

New metric blocks

The following metric blocks have been introduced:

Block and category	Changes
Resolve Placeholders Category: **Product Goals**	This block resolves placeholders in formatted texts. It receives a map of `MDFObject`s through its input port, iterates over each entry, and replaces any placeholder in the formatted text attributes with its final, resolved content. This includes, for example, inserting the actual name of a referenced artifact instead of the placeholder, or embedding a rendered diagram image in place of a diagram placeholder. All updated `MDFObject`s are written back into the map, ensuring that downstream processing works with fully resolved, placeholder-free content. Placeholder-context artifacts are removed. Required inputs (*Data Target Port*s): > "inMapTempToOriginal" (data type: `Map<MCoreArtefact,MCoreArtefact>`) Receives a map whose keys are temporary `MDFObject`s. Each temporary object references its corresponding original `MDFObject`, which contains the formatted text attributes and any placeholders. During processing, the block reads the formatted text content from the original object, resolves all placeholders, and writes the resolved content back onto the temporary key object. Artifacts whose formatted text attributes contain no placeholders remain untouched. Placeholder-context artifacts are removed from the map. Outputs (*Data Source Port*s): > "outMapTempToOriginal" (data type: `Map<MCoreArtefact,MCoreArtefact>`) Returns the processed artifact map after optional placeholder resolution. The map contains the updated temporary `MDFObject`s whose formatted text attributes have been resolved using the data from their corresponding original objects. Artifacts without placeholders remain unchanged, while placeholder-context artifacts are removed. > "summary" (data type: `TempTable`) Returns a `TempTable` that lists all original `MDFObject`s whose corresponding temporary artifacts underwent placeholder resolution. Each row contains the original artifact and the name of the formatted text attribute in

Block and category	Changes
	which placeholders were detected and resolved. Artifacts without placeholders are not contained in this table.

Changed metric blocks

The following metric blocks have been changed:

Block and category	Changes
Excel Export Category: **Common**	The "exportAsXLS" *Data Target Port* has been removed. The Excel file is always exported with XLSX file format.
Excel Import Category: **Common**	XLS files can no longer be imported. The "filepath" *Data Target Port* only accepts XLSX files for the import.
Publish Diagram Category: **Diagrams**	New optional input port (*Data Target Port*) "fileName" (data type: `String`, default: not set, file name is set to the name of the diagram). This port sets the file name for the diagram files to be exported. If a diagram is exported with different *Diagram Configuration*s, the file name is extended to include the name of the *Diagram Configuration*. Existing files with the same name and *Diagram Configuration* are overwritten.
ReqIF Import Category: **Product Goals**	The input port (*Data Target Port*) "typeDefinitionPackage" has been renamed to "attributeConfigurationPackage" and the expected input artifact is now an *Attribute Configuration Package* instead of a *Data Type Package*.
ReqIF Model Based Specification Export Category: **Product Goals**	The input port (*Data Target Port*) "temporaryDataTypePackage" has been renamed to "temporaryAttributeConfigurationPackage" and the expected input artifact is now an *Attribute Configuration Package* instead of a *Data Type Package*.
KBL Import Post Operations Category: **Electrologic and Harness**	New optional input port *(Data Target Port)* "createPreBuildVariantCondition" (data type: `Boolean`, default: `false`) to create a *Pre Build Variant Condition* for the import of logistic control information. The variant information in the logistic control information is extracted as boolean expressions and imported as *Pre Build Variant Condition*. Logistic control information can only be imported if it is parsed and compared with existing *String Literal*s in *Data Type Package*s. Possible values: > `true`: The logistic control information is parsed and compared with existing *String Literal*s in *Data Type Package*s provided at the "dataTypePackages" port. If

Block and category	Changes
	no matching *String Literal*s are found, the logistic control information is imported as *Not Parsable Formula*. > `false`: The logistic control information is not parsed, and its content is imported as *Not Parsable Formula*. The input port (*Data Target Port*) "dataTypePackages" is now optional.
AUTOSAR Import with Merge Category: **Communication**	New mandatory input port (*Data Target Port*) "performDeletions" (data type: `Boolean`). Possible values: > `true`: Deletions are performed after the import. > `false`: No deletions are performed. The artifacts that have been identified for deletion are listed in the **Information View** and can be deleted manually. New optional input port (*Data Target Port*) "targetProductline" (data type: `MProductLine`). Enter the target *Product Line* to be merged with the incoming *Product Line*. If there is only one *Product Line* in the scope, this is used implicitly for merging. If the port is not set, the *Product Line* from the scope is used if unique. If the target *Product Line* for merge is not defined or not unique in the scope, merge is not possible. New output port (*Data Source Port*) "orphans" (data type: `List<MDFObject>`). Returns the orphaned artifacts for which no target package was found. The output port (*Data Source Port*) "importedElement" now returns the *Product Line* instead of the created import package.
AUTOSAR Import Category: **Communication**	New mandatory input port (*Data Target Port*) "createReferenceModelFilePath" (data type: `String`, default: `null`). If a reference model shall be created, the path and name of the reference model file must be specified at this port. A reference model is needed for importing with merging. If the port is not set, no reference model is created The output port (*Data Source Port*) "importedElement" now returns the *Product Line* instead of the created import package.
Asset Factory Category: **Product Line Engineering**	The *Target Port for Internal Loops* "propagatedBoundaryCollection" has been removed.

Block and category	Changes
Substitute Artifact Category: **Product Line Engineering**	The *Target Port for Internal Loops* "propagatedBoundaryCollection" has been removed.
Finish Asset Update After Substitution Category: **Product Line Engineering**	The *Data Source Port* "addedBoundaryArtifacts" has been removed. The *Data Source Port* "removedBoundaryArtifacts" has been removed.
Substitute Artifact With Customized Pairings Category: **Product Line Engineering**	The *Target Port for Internal Loops* "propagatedBoundaryCollection" has been removed.
Update Asset Category: **Product Line Engineering**	The *Target Port for Internal Loops* "propagatedBoundaryCollection" has been removed.

Metric utilities

As part of the removal of the boundary concept for *Asset*s and *Add-in*s, the following changes have been applied to the public metrics API:

- `ru.novosoft.mdf.ext.MDFObject.mdfGetBoundaryOfReuseUnits()`
  is removed without replacement
- `ru.novosoft.mdf.ext.MDFReuseUnit.mdfGetReuseUnitBoundary(`
  is removed without replacement
- `ru.novosoft.mdf.ext.MDFReuseUnit.mdfGetBoundaryIntegration()`
  is removed without replacement
- `ru.novosoft.mdf.ext.MDFReuseUnit.mdfCloneReuseUnit(MDFReuseUnitCoreIntegrationOwner, MDFReuseUnitBoundaryIntegrationOwner, boolean, boolean)`
  the parameter `BoundaryIntegrationOwner` is removed without replacement
- `ru.novosoft.mdf.ext.MDFReuseUnit.mdfCloneReuseUnit(MDFReuseUnitCoreIntegrationOwner, MDFReuseUnitBoundaryIntegrationOwner, CloneEnvironment, boolean)`
  the parameter `BoundaryIntegrationOwner` is removed without replacement
- `ru.novosoft.mdf.ext.MDFReuseUnitBoundaryIntegration.mdfGetBoundaryArtifactsToIntegrate()`
  is removed without replacement
- `ru.novosoft.mdf.ext.MDFReuseUnitBoundaryIntegrationOwner.mdfGetBoundaryIntegrations()`
  is removed without replacement
- `ru.novosoft.mdf.impl.MDFRelationInfo.isCoreBoundaryOfReuseUnitsEnd()`
  is renamed ("Boundary" removed)

> `ru.novosoft.mdf.impl.MDFRelationInfo.isCoreBoundaryArtefactsEnd()`
  is renamed ("Boundary" removed)

The `class MDFReuseUnitUtility` is also affected. Its methods already primarily focus on *Core Artifact*s of *Asset*s or *Add-in*s.

Size limitation for loading and changing the version of an artifact

When loading or changing the version of an artifact, the transfer of the artifact's subtree uses a serialization format that is limited to a size of 2 GB. This corresponds to 9.4 million artifacts or relations. The maximum size refers to the selected artifact and its subtree, as well as additionally required external types and their relations.

Take this limitation into account when you structure the model, so that the affected actions run successfully for your use cases.

The following actions are affected by the size limitation:

> *Asset* update
> replace with version
> replace with selected version
> restore selected version
> reuse historical version
> update *Asset* to historical version in checked-in *Product Line* (customer-specific action)
> load *Product Line* in read-only mode (customer-specific action)
> compare against historical version
> compare for reuse inconsistencies

Other actions are not affected, for example:

> loading the (full) model and updating the model
> loading the scope
> backup and restore
> migrating models
> using *Asset*s

PREEvision provides performance monitoring measurement points to observe the utilization if the serialization format is used.

9.5 Changes

Maintenance mode can only be set in administration panel	The maintenance mode can no longer be activated and deactivated in the **Model Management** view of the PREEvision client. Use the model administration of the administration panel to activate and deactivate the maintenance mode.
Product goals	For ReqIF exports, the DOORS classic schema validation has been removed. In the ReqIF export configuration file, it is no longer possible to set the `ExportSchemaValidation` flag to `DOORS classic`.
XLS support	The XLS file format is no longer supported.
Deprecation of the boundary concept for assets and add-ins	The boundary concept for *Asset*s and *Add-in*s is no longer supported by product features, and representations of the boundary are no longer visible in the **Model View** and in the **Asset View**. The corresponding *Asset* and *Add-in* property pages have been removed.

9.6 Fixed issues

Fixed issues in PREEvision 26.1

You will find the important fixed issues in the following tables. Please note that some issues depend on specific configurations, views, or models.

Further information

- Common
- Diagrams
- Tables
- Requirements
- Logical function architecture
- AUTOSAR
- Software architecture
- Communication
- Hardware architecture
- Geometry
- Product line engineering
- Variant management
- Rules
- Metrics
- Collaboration
- Administration
- Server API
- Backup, restore, and migration

9.6.1 Common

ID	Resolution
9082949060554172008, 9082949060440593008	Existing dialogs for artifact selection could be empty if the *Repository Root* was not contained in the scope and the logical structure with *Product Line Package*s should be displayed in the dialog. This was caused by the filter mechanism to control the type of displayed artifacts. The filter has been adapted to support artifacts that are displayed using the logical structure. Especially artifacts in *Product Line*s and *Local Administration*s are found and are correctly displayed in the context of their logical parents (especially *Product Line Package*s).
9082950154154522101	If more than 1000 *Product Line Package*s are contained in a parent artifact, for example in another *Product Line Package* or in the *Stage*, the *Product*

ID	Resolution
	Line Packages are permanently displayed in the domain model if an attribute of one of these *Product Line Package*s has been changed.

9.6.2 Diagrams

ID	Resolution
9082950129656441037	The calculated cell height of tables in diagrams and the resulting table size depends on the font size of the cells in the individual tables. Thus, when exporting the diagram, the individual diagram tables are properly displayed. The display of the diagram tables in the exported file is identical to the diagram tables in the diagram in PREEvision.
9082949060447201843	Model queries in object configurations or label configurations are used in diagrams to control the content or display of figures and labels. When opening a diagram, these model queries are now only triggered once. This increases the performance on opening the diagram.
9082950129573861843	The modification state of diagrams (modifiable, not modifiable) is now calculated with enabled authority model to get the correct results.
9082949060735902102	Metric- or query-based multi-line labels in *Title Block*s do not overlap. Line breaks are supported and the label is displayed correctly.
9082949060470562099, 9082949059944301790, 9082949060553882099, 9082949059870002112	If a commit is prevented by an online check, no error is caused anymore during an undo operation of diagram changes. No restart of the client is necessary anymore.
9082949060422591027	During a commit or check-in, the content of *System*s or *Set*s is no longer updated by the associated *Section*s in diagrams.
9082949855544571843, 9082950129752282039	The selected grid size in a diagram was previously saved as a property. Now the information about the grid size of each diagram is persisted with the help of a memento. This also corresponds to the way in which the zoom factor and view port of a diagram are stored.

ID	Resolution
9082950129573841843	When using a commit in combination with an undo action, the model switched into an invalid state. The only solution was to restart the client. Now an invalid model state is prevented and no longer results in a client in read-only mode.
9082950129573851843	The rights management cache is no longer cleared upon a database action, for example a commit. Thus, depending diagrams in read-only mode keep their state.

9.6.3 Tables

ID	Resolution
9082950129713202064	The table framework no longer interprets the *Signal Receiver Attribute* as a generic *EE Attribute* when it is a child of a signal transmission.
9082949060721542059	In tables, the lifecycle icon is displayed even if other icons have been hidden via the **Column configuration**.

9.6.4 Requirements

ID	Resolution
8682711684951842105	The **Progress Information** for checking OLE objects in formatted texts no longer shows inconsistent numbers.
8682711687661583090	It is now possible to map multiple *Customer Feature*s to one *ECU* or multiple *ECU*s to one *Customer Feature* via multi select and drag and drop.
9082949060452921859	During an updating ReqIF import, this means importing a ReqIF file into an already existing structure, artifacts that are not changed are no longer locked.
9082950129774552105	ReqIF export: The export no longer occasionally ignores default values of attribute definitions if the flag `ReqIFSimpleMode` is set to `false` in the ReqIF export configuration file.
9082949060599223082	ReqIF agreement export: The export works correctly if the requirement data for the *Agreement* has been imported via ReqIF using the flag `ReqIFSimpleMode=false`.

ID	Resolution
9082949060531382101	ReqIF export: A rare constellation could cause the export to not terminate. This has been improved allowing the export to finish correctly.

9.6.5 Logical function architecture

ID	Resolution
9082949059985681843	When creating a *Logical Architecture System Diagram* in a *System* with an assigned system master, all subsequently created *Logical Architecture System Diagram*s will automatically use the same system master. This behavior is now consistent with all other system diagrams. When creating a *Logical Architecture System Diagram* within the *Logical Function Architecture*, a system master is no longer required. As a result, the option to set a system master has been removed from the **Create Logical Architecture System Diagram** dialog in this context.

9.6.6 AUTOSAR

ID	Resolution
8682711554608772003	Context menu simplified: Only *Role Based Port Assignment*s and *Role Based Data Assignment*s can be created under *Service Need*s.
9082950129775972153	AUTOSAR export: The relation between `GlobalTimeDomain` and `CommuncationCluster` is exported only for AUTOSAR versions 4.3 or older. And `GlobalTimeDomain`s are only exported if the relevant ECU is part of a time domain.
9082950129640971913	AUTOSAR export: CAN controller configuration requirements are exported correctly.
9082949855560051913	AUTOSAR export: Calibration parameters of type curve with an individual axis and physical values of "-1" are correctly exported.
9082950129643971992	AUTOSAR ECU communication extract: Contained IPDUs that are routed via a gateway ECU are exported correctly.
9082949058837251807	AUTOSAR ECU extract: unused *Signal IPDU Transmission*s are ignored for AUTOSAR ECU extracts.

ID	Resolution
9082950129703493089	AUTOSAR ECU extract: **Y-Axis** and **Z-Axis** are exported for instantiation properties of *Internal Behavior*.
9082950154140071807	AUTOSAR import: The import with `SoAdRoutingGroup`s now also considers the `EventGroupControlType`.
9082947086097832052, 9082949060545730132	AUTOSAR import with merge: Imported artifacts with no defined location in the target *Product Line* are now stored in a dedicated package.
9082949060836602003	Several *Consistency Checks* concerning *Atomic SW Component Type* and *Composition Type* have been corrected.
9082950129688301220	The *Export Compare* metric block reads the export file and the reference file concurrently for faster results.
9082950129688341220	The *Export Compare* metric block provides a precise comparison of `MINvBlockDataMapping` including the linked `NvRamBlockElement`, `ReadNvData`, `WrittenNvData`, and `WrittenReadNvData`. The relation name are also compared.
9082950129688351220	The *Export Compare* metric block supports several special data groups (SDG) with the same GID. Identical substructures are also supported in the AUTOSAR file. Also, the calculation of the comparison has been accelerated.

9.6.7 Software architecture

ID	Resolution
9082949060809182092	When creating a software type, a warning indicates if the selected *Software Types* package is outside the current *Product Line*.

9.6.8 Communication

ID	Resolution
9082950129773961030	The **Diagnostic Communication Explorer** can synthesize the communication infrastructure and communication for complex ECUs and HPCs that contain *Execution Context*s.

ID	Resolution
9082950129574321030	The **Communication Design Explorer** takes over the length of the relevant *CAN Frame* or *Container IPDU* when creating *Container IPDU*s and *Signal IPDU*s.
9082949060649161810	Signal router: Service-oriented communication is routed solely over fitting *Bus System*s.
8682711687059931003	The frame-PDU synthesis only creates *Input Signal Port*s or *Output Signal Port*s for multiplexor signals if there is at least one payload signal that is received or sent by the current component.
9082947084901602004	A new *Consistency Check* has been added to check if the length of Signal and Pdu are identical in case of SOME/IP transformed communications. Also, the demo model has been corrected accordingly.
9082949855582932004	The *Consistency Check* "ac02015_MoreSIGmapped2SIGIPDU " has been corrected.

9.6.9 Hardware architecture

ID	Resolution
9082949060823422196	A KBL export with activated option **Export only active variant** exports custom attributes and their assigned *Attribute Definition*s even if they are not part of the active variant.
9082949060600520084	During KBL export, the *Attribute Definition*s linked to the selected *Custom Attribute Profile* are exported if the **System Export** option is activated.
9082950129639903104	The KBL import imports the formulas contained in the `Logistic_control_information` for *Pre Build Variant Condition*s into PREEvision. The literals extracted from the `Logistic_control_information` are compared with *System Constant*s in PREEvision. For this purpose, at least one *Data Type Package* containing corresponding *System Constant*s must be specified during KBL import. If no *Data Type Package* is specified, the content of the `Logistic_control_information` is imported as a *Not Parsable Formula*. This behavior applies to both the import wizard and the import via metrics.

ID	Resolution
9082949060725301037	The configuration files for KBL import and KBL export are part of the "Electrologic and Harness" *Add-in*. These configuration files are renamed to identify them as default. Custom configurations can be created from these default configuration files. Changes to these default configuration files are overwritten when the *Add-in* is installed the next time.
9082949060675172112	In the **Property View** of a wire, *Wire Type Families* as well as *Wire Type*s can be selected from the drop-down list.
9082949855594602039	Labels of *Hardware Device*s in checked-in *Electric Circuit Diagram*s or *Wiring Diagram*s no longer appear twice after they have been moved.

9.6.10 Geometry

ID	Resolution
9082949059287781795	Online checks that check whether a type is set on a wiring harness artifact have been modified. The checks are only triggered and calculated if changes are carried out on the typed artifact. Changing the type does not trigger the calculation of the online check anymore. This results in a significant improvement of the performance of the online checks for the electrologic and harness use-case.
9082949855494831029	The default size of a *Connector Template Diagram* and a *Segment Point Template Diagram* has been increased to 80x80 pixels. The initial zoom factor when opening one of these diagrams has been changed to 100%.
9082950129793322083	For *Connector Location*s, the property page **Environment** has been added to the **Property View**.

9.6.11 Product line engineering

ID	Resolution
9082949855577000124	The move integration has been improved to correctly handle synthesized parent artifacts for which no name attribute has been defined on the corresponding meta class.

ID	Resolution
9082949060853112101	Loading *Product Line*s in read-only mode is now applicable for *Product Line*s in *Product Line Package*s that are read-only for the active user.
9082950129704790073	The deletion propagation of core artifacts triggered by *Asset* operations such as *Asset* updates now also considers *Asset*-related deletion checks.
9082949855559131202	Neutral change detection now ignores any changes made to an artifact or its subtree prior to their replacement. In rare cases, these changes could result in a "check-out prevented" error.
9082949059995170161	Information about changes to relations after an *Asset* update is no longer displayed in the **Information View**. However, this information is still available at the "updateResult" *Data Source Port* of the *Update Asset* metric block.

9.6.12 Variant management

ID	Resolution
9082949060853893042	The wrong variant highlighting when exporting a diagram with different active variants via metric has been fixed.

9.6.13 Rules

ID	Resolution
9082950129736140088	The **Condition Query** association of a rule object or link pair of a *Propagate Definition* is now removed when the corresponding EPRConditionLabel is deleted from the model in the *Propagate Definition Diagram*.
9082950154207462044	*Propagate Definition*s with multiple entry points can be generated.
9082947087369773108	A *Query Rule* with a right-hand side now returns objects that have been marked for return, even if they have been deleted. Note that *Query Rule Group*s now always set "hasHit" to `true` if their queries match any objects, regardless of whether objects are marked for return.
8682711687710682058	Now, clicking an empty *Multi Classifier Object* in a rule diagram selects the object itself rather than its graph node.

ID	Resolution
9082949060611082039	A performance issue that was caused by broken *Query Rule*s in an object configuration has been fixed.
9082949058216103104	The property pages of the *Consistency Rule Group* and the *Variant Propagation Rule Group* have been unified and extended to include the assignment of contained rule groups.

9.6.14 Metrics

ID	Resolution
9082950154129392024	The *Model Tree Compare* metric block now correctly handles *Local Administration*s with identical contents.
9082949060446051808	The context menus of the artifacts no longer display metric executors located below table editors.
9082949058247813108	When pasting a *Calculation Block* with its *Source Code*, the "full copy" action no longer creates a second *Source Code*.
9082949058390553042	A rare `ConcurrentModificationException` in `CalculateLoop` has been fixed.
9082950129640783088	The *Populate* block now informs the user via an error status if and why a diagram could not be opened.
9082949060399262102	If rule groups used in metrics do not match, corresponding messages are only displayed in the **Status** view but are no longer logged.
9082949060650692102	Warnings are now written in the `error.log` file if the input for the „exportProperties“ *Data Target Port* of the *Report Executor* metric block is invalid.
9082949060134381995	The online check for source port names now accepts `<List>` as a valid port name.
9082950154122573077	When the parsing of the *Comment*s used to configure a table test metric detects entries other than comparison criteria or comments preceded by a "#" on each line, test execution fails and an error message is returned.
9082950154213232024	For performance reasons, the display of metric test results in the **Information View** has been limited to the first 500 characters.
9082949060626221804	Automatic client saving works properly after metric execution.

ID	Resolution
9082949855552021848	If a metric changes the model and the changes are undone via save points, checks for structured type-of relations are no longer executed.
9082949855556622101	On the **General** property page of the *Uniqueness Cache*, the **In Memory** option has been removed.
9082950129764993059	The documentation of the "exportProperties" input port of the *Report Executor* block has been updated in the PREEvision configuration manual.

9.6.15 Collaboration

ID	Resolution
9082950129727312041	It is now possible to check out a hidden version object that belongs to a checked-in artifact.
9082949060784672054	A memory issue in the messaging server has been resolved that occurred if keep-alive messages could not be sent to the clients because of network problems.
9082950154205351036	The model cache can properly handle very large XMIIDs now.
9082950129552221848	When connecting to the model a second time all scope contents are loaded properly.
9082950154202882102	Loading and activating a scope with Jenkins works seamlessly again.
9082949855593772101	Network problems are no longer incorrectly recognized as update errors. In this case, the client no longer switches to read-only mode.
9082949060785952068	Downloading files has been corrected to ensure the correct files are available on the hard disc.

9.6.16 Administration

ID	Resolution

9082949058797181993	The default values of the following server parameters have been changed:
	`ServerFileCacheSizeInGB: 20`
	`openid.access_token.verification_interval: 900`
	`ServerUpdateMemoryCacheSize: 7.000.000`
	`ServerUpdateFileCacheSize: 40.000.000`

ID	Resolution
	`WarningRAMForOneMillArtifacts=1` `WarningWorkingMemory=0.1`
9082950154113441036	An error occurred during *Add-in* installation when the segue relations of artifacts that had been moved under newly created parent artifacts were removed at their endpoints. Now, the directed segue relations are removed solely at their origins.
9082949058700321998	The information provided in the **Information View** regarding *Add-in* installation errors has been extended.
9082950129754522068	*Add-in* installation failed if non-versionable *Add-in* artifacts were assigned to *Obsolete Add-in*s. Now, only versionable subtrees are considered obsolete or deleted if their artifacts are not referenced in the model.
9082949855604701855	An *Add-in* installation is now always rolled back when canceled.
9082950154132152039	An update to a customized *Add-in* could previously fail without properly informing the user. An error message is now provided, and the artifacts causing the error are displayed in the **Information View**.
9082950154154732012	If the *Add-in* installation detects checked-out *Add-in*s on the target model with a branch suffix that differs from the one defined by the *Add-ins* model to be updated, it now displays a warning indicating the number of checked-out *Add-in*s and their branch suffixes in a dialog and in the **Information View**.
8682711684968111032	In the **Property View**, values for custom attributes are no longer set for artifacts whose meta class is not assigned to the corresponding *Attribute Definition*.
9082950154188521992	A file-based authority model can be opened again.

9.6.17 Server API

ID	Resolution
9082950129789860136	The Server API documentation for the `GET <baseURL>/<model>/tas/config` REST call has been corrected. The data type of the success response has been changed to `application/octet-stream`.

ID	Resolution
9082950129640441848	Copying checked-in subtrees via a custom server API application no longer fails due to missing artifact revision data.
9082947085103241995	The `AttributeDefinitionUtil` is now available for API server metrics that are executed on the API Server.

9.6.18 Backup, restore, and migration

ID	Resolution
9082950129655841036	During migration, branch names are correctly set for newly created *Type Definition Package*s.
9082950129724541036	An issue has been resolved that occurred during migration to a newer SVN server version. SVN no longer supports control characters in path names and file names. Therefore, these characters are now replaced with an underscore.
9082950129696311036	An error in the incremental backup and restore has been resolved.

9.7 Known issues

Known issues in PREEvision 26.1

You will find the important known issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Known issue
8682711555165912106	ReqIF export: For empty attributes, the string defined in the **Text for empty Labels** property is exported instead of an empty string. By default, this is "---". **Workaround:** In the **Preferences**, under **PREEvision | General**, remove all characters from the **Text for empty Labels** property.
9082949059821032062	During KBL export with propagation, more artifacts are exported than were propagated. This is caused by an issue in the export framework. For example, it is currently not possible to export only a specific *Connector Location* if its *Installation Location* is part of the propagated artifacts, since all contained *Connector Location*s are exported. The exported KBL file however is valid.
9082949059853333059	When comparing two artifacts, in the **Compare** perspective one of the **Property View**s of the artifacts to be compared is, in some cases, not displayed in compare mode. **Workaround:** Close the **Compare** perspective and execute the artifact compare again.
9082949059891171896	Artifacts that have been unloaded from the temporary scope are kept in memory. **Workaround:** Commit the model to remove artifacts of the temporary scope from memory.
9082950129724501783	In some cases, when a *Report* includes a *Report Module* with double spaces at the end of the *Report Module*, the spaces are not maintained.
9082950154215842008	Due to the new URL format, the import from vTESTstudio and CANoe to PREEvision is not possible, if the *Test Specification* data has been exported with PREEvision version 26.1. Data exported with PREEvision version 26.0 or 10.x can be imported into PREEvision. The import fails if the URL in the XML import file contains the UUID as a parameter

ID	Known issue
	(`uuid=<UUID>`). The export to vTESTstudio and CANoe is not affected.
9082950154204021202	The *Add-in* customizing update does not reset the alias name of rules to the alias name of the upstream *Add-in*. This results in old names of the *Link LHS* and *Link RHS* and the representation in diagrams for relations that have been renamed in the meta model. This does neither affect the functionality of the rule nor the functionality of the relation in the rule.
9082950154212821993	For executing the automatic client update, the `UpdateApplication.jar` is required. The JAR file is contained in the product delivery of the PREEvision collaboration platform (`PREEvisionCollaborationPlatform_<version>.zip`). When you build the server components, the JAR is transferred to the `updater` folder under the application server's build result. The JAR that was transferred in the build process does not work and the automatic client update cannot be executed with this JAR. **Workaround:** Copy the `UpdateApplication.jar` directly from the collaboration platform delivery under `PREEvisionCollaborationPlatform_26.1.0.zip\PREEvisionCollaborationPlatform\templates\vCollab\tomcat\updater`.
9082950154143081804	Filtering and selecting artifacts via metric in a table is not working correctly. The filter is not applied even though the table indicates that a filter is active.
9082950154206170076	In the **Property View** of *Ticket*s, on the **Ticket Relations** property page, referenced artifacts in the **This ticket is linked to (outgoing)** table may display incorrect lifecycle states. **Workaround:** Open the **This ticket is linked to (outgoing)** table as standalone table in the editor area.
9082950154225192006	On the **Deprecated Custom Attributes** property page, no content is displayed if *Attribute Definition*s in the *Local Administration* have no application type set.

ID	Known issue
9082950154243912102	The functions **Reset Perspective...** and **Reset Perspective to Model Definition** do not work correctly for perspectives. Executing these actions results in an error. **Workaround:** Reset all perspectives via **Window | Reset All Perspectives to Model Definitions**.
9082950154214403089	AUTOSAR import with merge: An AUTOSAR file to be imported contains a special data group (SDG) attribute which was renamed compared to the previous import. After an import with merge of this file, the existing *Attribute Definition* in the model is deleted and a new one is created. The existing one should not be deleted.
9082950154113631867	If the data type of an *Attribute Definition* is changed during an AUTOSAR software component update, for example by changing the value from integer to long, the existing data type of the *Attribute Definition* in the model is deleted and replaced by the new data type. Expectation: The existing data type should not be deleted, and the new data type used by the *Attribute Definition*.
9082950154263403042	Data types of *Attribute Definition*s in the administration are not handled correctly if the "replaceRelevanceFunction" port is used by the *Replace* metric block for an AUTOSAR import with replace.
9082949060810560072	A small subset of artifact relations, known as segue links, is not captured in the changelog.

10 PREEvision 26.0

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10.1 Version numbers

Version numbers

Application	Version number
PREEvision client	26.0.0
PREEvision license server	3.0.5
PREEvision database server	26.0.0.02
PREEvision application server	26.0.0

Documentation

Manual	Version number
PREEvision manual	26.0.0
PREEvision configuration manual	26.0.0
PREEvision operating manual	26.0.0
PREEvision migration manual	26.0.0
PREEvision system requirements	26.0.0
PREEvision server API	26.0.0

10.2 Installation and compatibility information



For detailed information about the hardware and software requirements of PREEvision 26.0, refer to the PREEvision system requirements.



For detailed information about the installation of PREEvision 26.0, refer to the PREEvision operating manual.



For detailed information about migration to PREEvision 26.0, refer to the PREEvision migration manual.

Migration manual

The new PREEvision migration manual (`PREEvision_Migration_<version>_EN.pdf`) has been introduced to provide you with detailed information and instructions on how to migrate to PREEvision 26.0, including data migration via the administration panel.

System requirements

The following system requirements have been changed:

- Windows 10 is no longer supported for installing the PREEvision client.
- Amazon Corretto 21.0.8.9.1 is provided with the PREEvision client installation. It is recommended to use Amazon Corretto 21.0.8.9.1 on all server components as well.
- It is recommended to use Apache Tomcat version 9.0.113.
  JVM and server settings of all PREEvision server components must be checked. The required settings are documented in the PREEvision operating manual.
- It is recommended to use VisualSVN Server version 5.4.5 for the PREEvision subversion server.
- The standalone license server is available in the new version 3.0.5.
  When you use the standalone PREEvision license server (RMI), it is recommended to update the license server to the new version 3.0.5.
  Amazon Corretto that is provided with the Windows installer of version 3.0.5 has been updated to version 21.0.8.9.1.

Collaboration platform installation and server configuration

The SVN gateway has been removed.

The following parameter must be set for the startup of Apache Tomcat for all server components:

```
-Djava.security.manager=allow
```

Oracle JDBC driver

The Oracle JDBC driver, which is included in the deployment files of the application server, has been updated to version 19.28.

On the application server, update the Oracle JDBC driver as follows:

1. Unzip the product delivery of the PREEvision collaboration platform (`PREEvisionCollaborationPlatform_<version>.zip`).

   The database driver is in the folder `/dbdrivers`.
2. Copy the `ojdbc8.jar` to the `%TOMCAT_HOME%/lib folder`.

Authority model

The authority model has been renamed to "AUTH_MODEL" and thus no longer contains the version number within its name.

Compatibility

The PREEvision client, the database server and the PREEvision server are only compatible within exactly the same PREEvision version. Using a new client version on a previous server version or a previous client version on a new server version is not supported and may lead to data inconsistencies or data loss.

Client version	Server version	Database server script version	Metamodel change ID
26.0.0	26.0.0	26.0.0.02	2025-11-17

Licenses and license server

For PREEvision 26.0, new licenses are required.

PREEvision workspace and PREEvision.ini

Existing workspaces from earlier PREEvision versions cannot be reused for PREEvision 26.0. Overwriting the `PREEvision.ini` is not allowed as well.

Operating system: character set

Please use an operating system with a full character set of your language. For example, to support Japanese in PREEvision, the Japanese operating system must be installed. An English operating system with Japanese character set might not support all characters. Therefore, this may result in displaying wrong characters in PREEvision.

10.3 New features in PREEvision 26.0

Further information

- Model structure
- Usability improvements
- Administration
- Configuration

10.3.1 Model structure

New model structure

PREEvision provides a logically separated model structure consisting of the following models under the *Repository Root*:

- *Product Line*s: contain all data relevant for developing a cyber-physical and software-defined system (E/E data).
- Administration: contains the *Global Administration* and the *Local Administration*s of the individual *Product Line*s.
- *Configuration Management*: technically contains the logical structure of the domain model.

The model is only logically separated, technically all artifacts remain in one model.



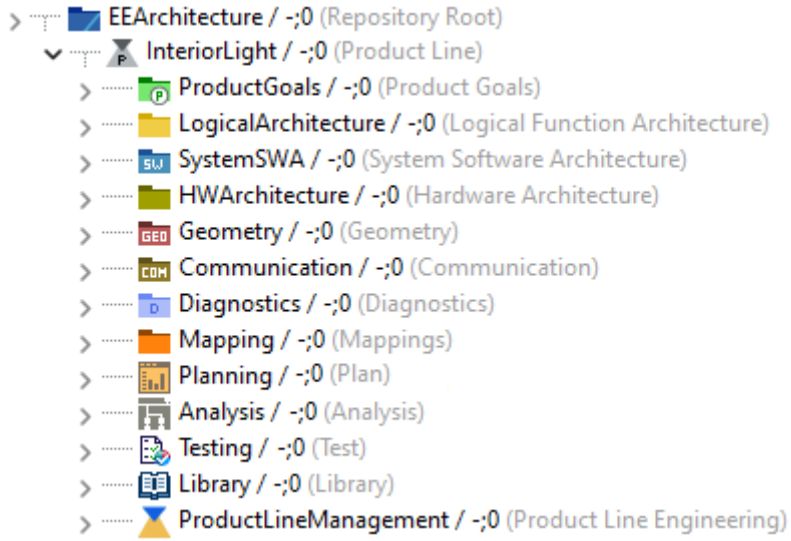
Product lines

A *Product Line* is the central container for data management in the domain model.

Product Lines:

- contain all domain layers.
- are self-contained.
- are used to work in development stages.

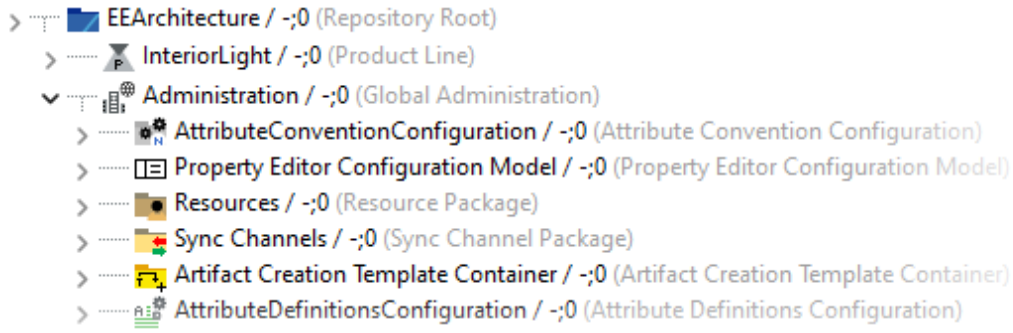
Artifacts formerly located under the *Repository Root* in parallel to *Product Line*s, for example *Library*, *Plan*, *Analysis*, are now integrated into individual *Product Line*s. The *Design Models*, formerly located under the *Repository Root*, has been completely removed.



Administration

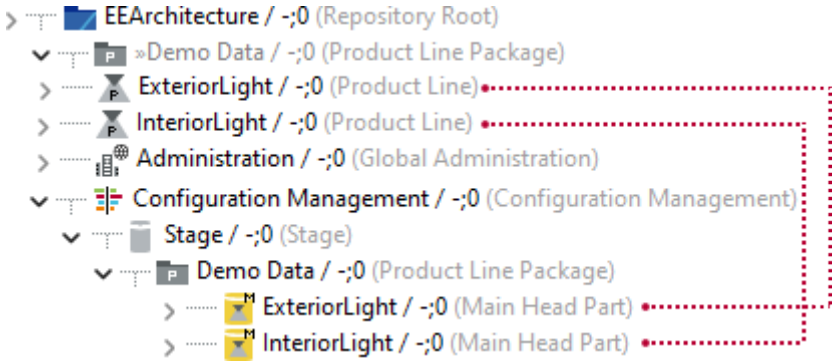
The *Global Administration* contains all data relevant for administration and configuration of the PREEvision client, rules or metrics.

*Local Administration*s are located in *Product Line*s. They are displayed in the *Product Line*s as virtual folders.



Configuration management

The newly introduced *Configuration Management* is used to structure and organize the development data in *Product Line Packages* and *Product Lines*. *Product Line Packages* and *Product Lines* can be created. The *Product Lines* are displayed as parts which reference the individual *Product Lines* in the domain model.

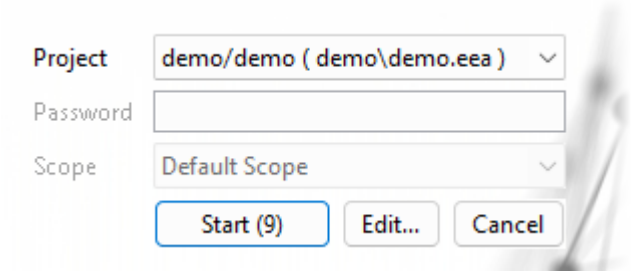


10.3.2 Usability improvements

Client startup

The client starts without any user interaction:

- After a countdown, PREEvision automatically starts with the project settings that have been used during the last session.
- The settings for the automatic startup and the countdown (1s to 600s) can be changed in the Preferences.
- Any user interaction with the login screen cancels the countdown and the automatic startup.



Support for high-resolution displays

PREEvision 26.0 supports high-resolution displays:

- The resolution of PREEvision is adapted to the scaling that is selected in the Windows settings.
- You can set the size of the user interface according to your individual preferences.

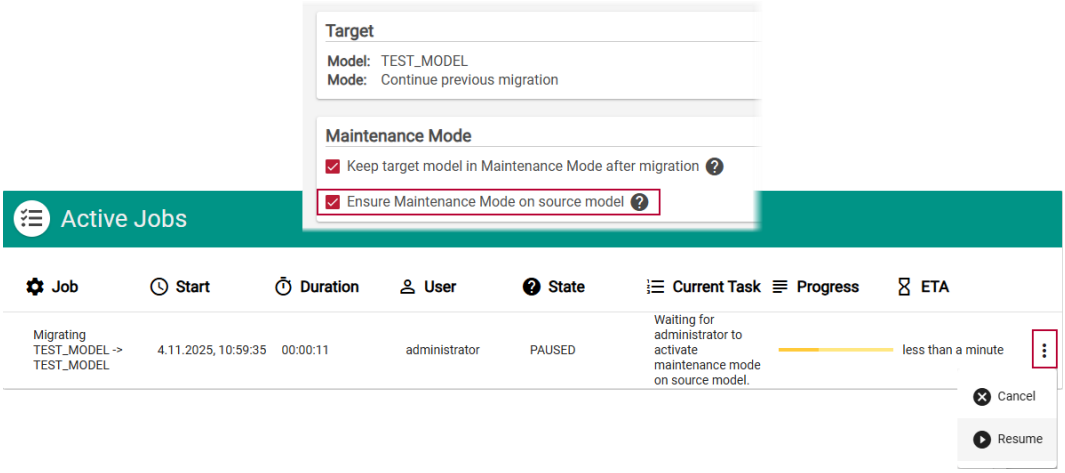
10.3.3 Administration

Reduce maintenance times during restore on top

Maintenance times can be significantly reduced for the final migration step of an incremental migration.

In each migration step, the last restored model version is loaded completely on the source and on the target system, while subsequent model versions are loaded as deltas. In former PREEvision versions, the maintenance mode was set on the source model once the final migration step was started.

In PREEvision 26.0, you can pause the migration after loading the first model version by activating the option **Ensure Maintenance Mode on source model** in the administration panel. Once the maintenance mode is set on the source model, the administrator can resume the migration.



Migration manual

Instructions on how to migrate to a new PREEvision version have been moved from the PREEvision operating manual to the new PREEvision migration manual. The PREEvision migration manual is provided as PDF in the delivery (`PREEvision_Migration_<version>_EN.pdf`).

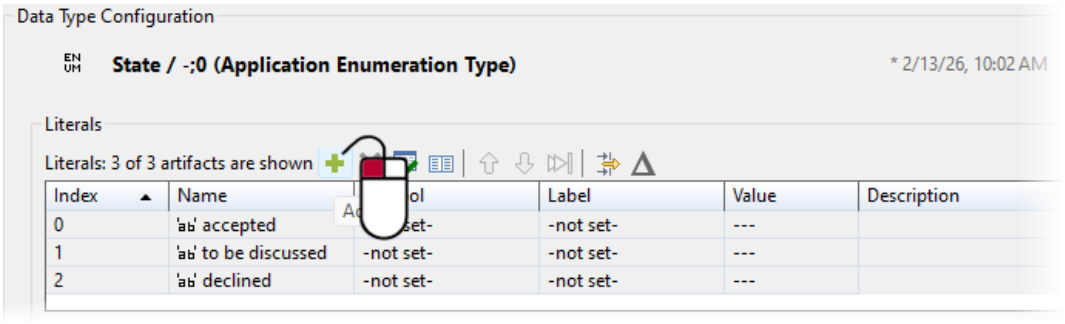
10.3.4 Configuration

Custom attributes

The handling of *Attribute Definitions* for adding a custom attribute to a *Meta Class* has been improved:

- An *Attribute Definition* can easily be used in different parts of the model.
- Changes of an *Attribute Definition* no longer result in a check-out of all artifacts that use the *Attribute Definition*.

If you change an existing *Attribute Definition*, implement only changes that are backward compatible, for example, adding an enumeration entry for an *Application Enumeration Type*.

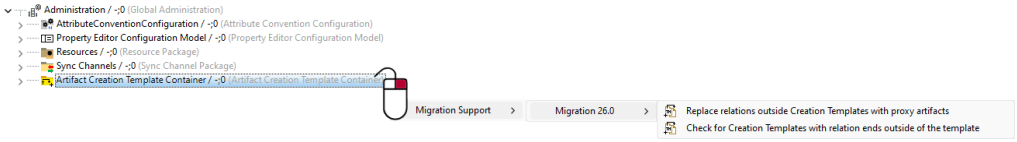


Incompatible changes, for example, changing the data type from string to integer, must be implemented as new *Attribute Definition*.

Artifact creation templates for product lines

Since *Product Line*s can only be created and stored in the domain model, the definition of Artifact Creation Templates has changed:

- For *Artifact Creation Template*s that create a *Product Line*, a proxy artifact is used in the administration.
- During the migration of existing *Artifact Creation Templates*, relevant *Product Line*s are moved from the administration to the *Configuration Management*.
- PREEvision 26.0 provides migration support to easily identify such *Product Line*s and make the required adaptations.

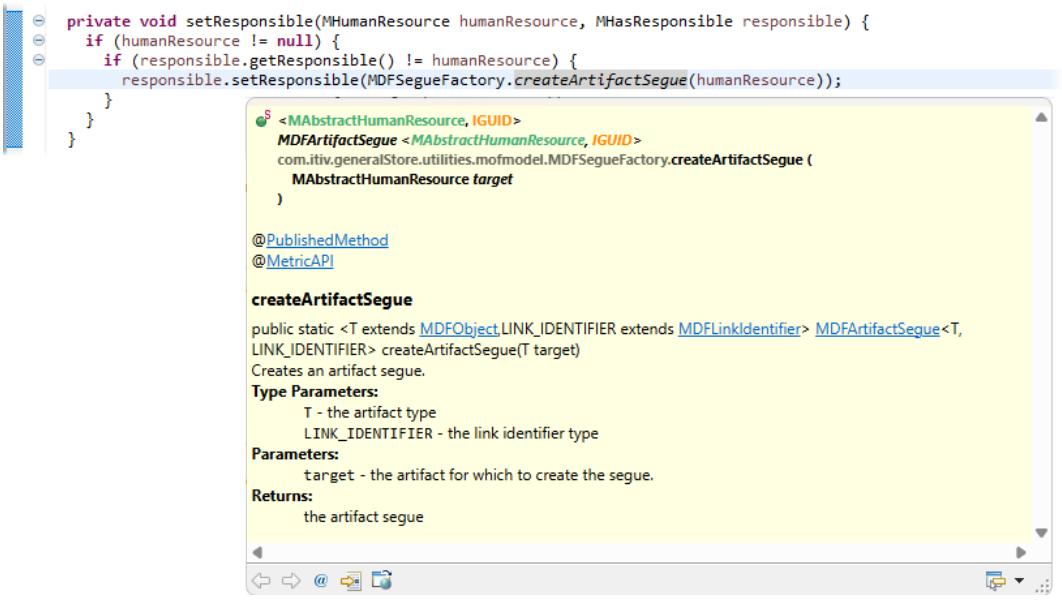


You can only execute an *Artifact Creation Template* for a *Product Line* if the original *Product Line* that has been pasted to the *Artifact Creation Template* is part of your scope.

Metric API and documentation

The Java editor provides a documentation of the classes and methods that are part of the published metric API. When you move the mouse over a class or method that is part of the documented API a tooltip is displayed with the documentation.

Example:



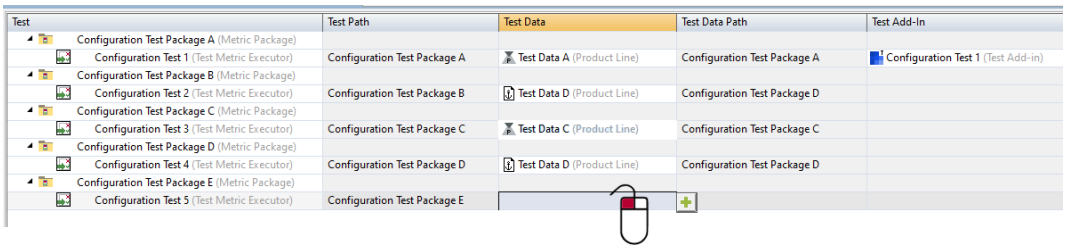
The documentation is also available as HTML help. To access the HTML help in your browser, click into the tooltip and click the button.

The HTML help is also accessible in the installation folder of the PREEvision client under:

`PREEvision\plugins\vi.metric.clientapi.javadoc.vbin_<version>\javadoc\index.html`

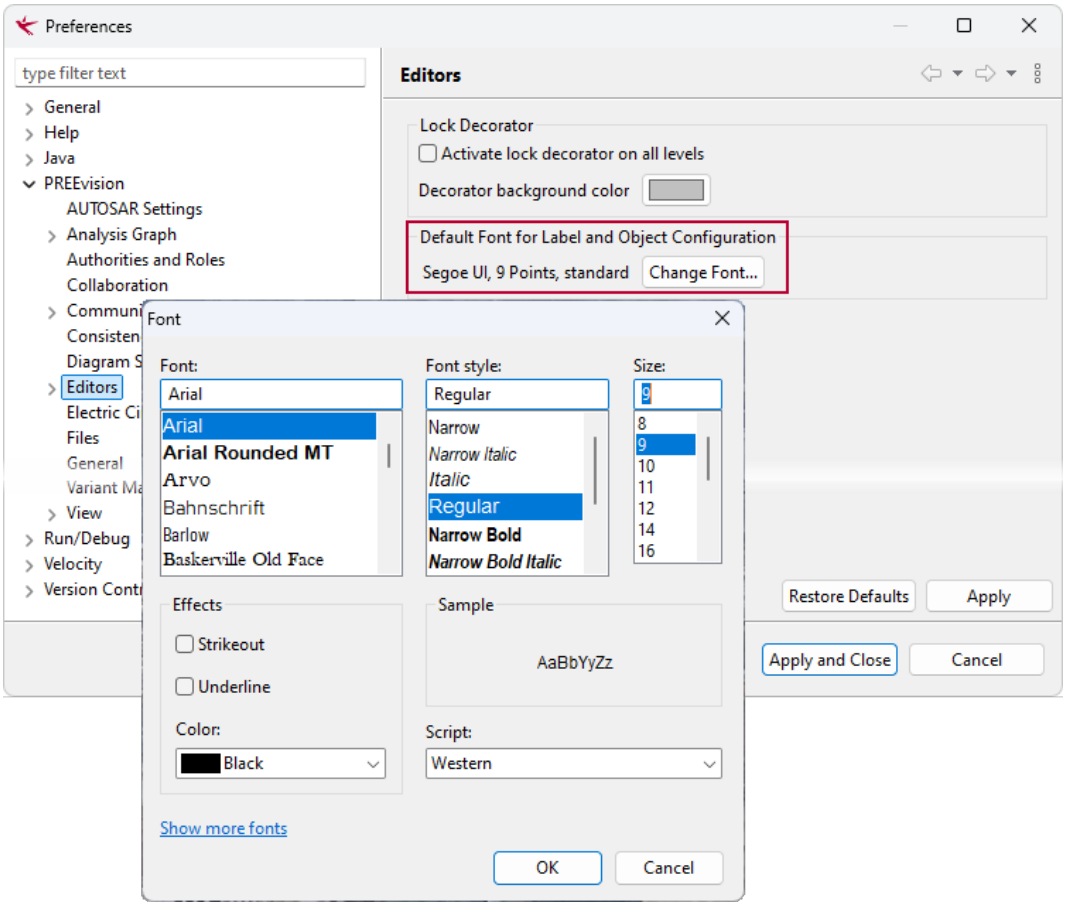
Testing configurations

The new Configuration Test Overview table makes it easy to set up and manage repositories for storing data for configuration tests.



Default font for object and label configuration

The default font used to configure objects and labels with the **Object Configuration** dialog or the **Label Configuration** view is now set in the **Preferences**.



Changed metric blocks: Get file

The *Get File* metric block has a new output port (*Data Source Port*):

- "availableFiles" (data type: `Collection<MFileAttachment>`): returns all *File Attachment*s that are locally available, which can be used for further processing the files.

Changed metric block: Excel import

The "filepath" input port of the *Excel Import* block now accepts *File Attachment*s in addition to file paths for importing.

Changed metric block: CSV export

The *CSV Export* metric block has a new optional input port (*Data Target Port*):

> "encoding" (data type: `String`, default: "UTF-8"): sets the character encoding. Possible values are (case-sensitive): "UTF-8", "UTF-16", "UTF-16BE", "UTF16LE", "US_ASCII", "ISO-8859-1"

10.4 Configuration information

Migration manual

The new PREEvision migration manual (`PREEvision_Migration_<version>_EN.pdf`) has been introduced to provide you with detailed information and instructions on how to migrate to PREEvision 26.0.

This includes:

- an overview of the new model structure and link types of PREEvision 26.0.
- changes with regard to configuration.
- instructions for migrating custom configuration.

Changed metric blocks

The following metric blocks have been changed:

Block and category	Changes
Get File Category: **Common**	New output port (*Data Source Port*) "availableFiles" (data type: `Collection<MFileAttachment>`, default: `NULL`). This port returns all *File Attachment*s that are locally available. The common use case of the block is to pass one *File Attachment* artifact into the block. The new output port now allows further processing of the *File Attachment* artifact.
Excel Import Category: **Common**	The "filepath" input port now accepts *File Attachment*s in addition to file paths for importing.
CSV Export Category: **Common**	New optional input port (*Data Target Port*) "encoding" (data type: `String`, default: "UTF-8"). This port sets the character encoding. Possible values are (case-sensitive): "UTF-8", "UTF-16", "UTF-16BE", "UTF16LE", "US_ASCII", "ISO-8859-1"
Add-in Delivery Category: **Administration**	The mandatory input port "exportTestPREEstoreDelivery" has been removed. Updated description of input port "exportFilePath": Full path including the name of the exported *Add-in*s file. If the given file name does not end with ".addins", either the given file ending will be replaced with `.addins` or `.addins` will be added to the provided name. New optional input port "selectedAddins" (data type: `List<Add-in>`, default: not set): Only the provided list of *Add-in*s is exported. If the input port is not connected or an empty list is provided, then all *Add-in*s in the *Global Administration* are considered. The *Add-in*s that are exported must additionally fulfill the requirements controlled by the input port "exportTestAddinsDelivery". New optional input port "exportTestAddinDelivery" (data type: `Boolean`, default: `false`). Possible values:

Block and category	Changes
	> `true`: A test export is executed. The resulting file contains all selected *Add-in*s, regardless of their **Delivery State** and check-in state. > `false`: Only *Add-in*s that are checked-in and have the **Delivery State** "Ready for Delivery" are exported.
Add-in Installation/ Update Category: **Administration**	The mandatory input port "exportTestPREEstoreDelivery" was renamed to "addinsFilePath". The port provides the full path to the *Add-in*s file containing the *Add-in*s to be installed. The file extension must be `.addins`.
Update Asset Category: **Product Line Engineering**	New optional input port "productLineTypeForUpdateWithSubstitutions" (data type: *Product Line Type*, default: `NULL`): Substituting components requires that a *Product Line Type* is provided at this port. The type characterizes temporary *Product Line*s that are required during **Asset Update** to re-establish substitutions.

Removed metric blocks

The following metric blocks have been removed:

Category	Block
Product Line Engineering	*Determine Migration Status*
Product Line Engineering	*Migrate Asset Permanently*
Product Line Engineering	*Merge Assets*
Product Line Engineering	*Type Propagator*
Product Line Engineering	*Get Assets From Upstream To Convert Foreign Relation*
Product Line Engineering	*Convert Relation After Asset Reuse From Upstream*
Software Architecture	*Whole Deepest Product Line Relevance Function*
Software Architecture	*AUTOSAR Identity Function (Source defines ImExId matching)*
Communication	*PLM XML Document Creator*
Electrologic and Harness	*KBL Export*
Electrologic and Harness	*KBL Import*
Change Management	*Ticket Import*
Tables	*Table Reference Import*

Metric utilities

The following metric utilities have been changed:

- `mdfHasOutOfScopeRelation` has been replaced by `mdfHasOutOfScopeHardLink(MDFRelationInfo)`
  The method only checks on hard links.
- `mdfGetTypeUUID` has been renamed to `mdfGetObjectUUID`

Size limitation for loading and changing the version of an artifact

When loading or changing the version of an artifact, the transfer of the artifact's subtree uses a serialization format that is limited to a size of 2 GB. This corresponds to 9.4 million artifacts or relations. The maximum size refers to the selected artifact and its subtree, as well as additionally required external types and their relations.

Take this limitation into account when you structure the model, so that the affected actions run successfully for your use cases.

The following actions are affected by the size limitation:

- *Asset* update
- replace with version
- replace with selected version
- restore selected version
- reuse historical version
- update *Asset* to historical version in checked-in *Product Line* (customer-specific action)
- load *Product Line* in read-only mode (customer-specific action)
- compare against historical version
- compare for reuse inconsistencies

Other actions are not affected, for example:

- loading the (full) model and updating the model
- loading the scope
- backup and restore
- migrating models
- using *Asset*s

PREEvision provides performance monitoring measurement points to observe the utilization if the serialization format is used.

For performance monitoring, the following measurements have been added:

- Utilization Segue Relation Storage in Percent. Rounded integer value between 0 and 100.
- Utilization Compressed Values Storage in Percent. Rounded integer value between 0 and 100.

10.5 Changes

Performance changes

For the following actions, the performance has significantly improved:

- updating to the latest revision
- committing new reuses
- committing new relations
- loading submodels from the database
- reloading artifacts
- updating the model on the client with a newly created submodel

Performance degradation for committing large deleted subtrees due to changes for future support of forks.

Diagrams

- The **Advanced** populate function for populating diagrams based on template diagrams has been removed.
- *Diagram Table Reference*s have been removed.

Product goals

The *Feature Functionality Network* has been removed.

Views

The **Monitored Artifacts** view and the **Modified Artifacts** view have been removed.

Search

The **Model Search**, which could be loaded via the **[Customize]** button as additional tab into the search dialog, has been removed.

Model merge import

The import of a model via a model file to merge it into a current model has been removed.

Electrologic and harness

- The *Component Circuit Diagram* has been removed.
- The *Concept System Diagram* has been removed.
- The *KBL Import* block and the *KBL Export* block have been removed.
- The Wiring Harness Import via Excel files has been removed.
- The function of mapping KBL attributes to *Pre Build Variant Condition*s or *Variation Point Set*s via *Variation Point Type*s has been removed. Thus, the *Variation Point Type* class has been removed.

Test engineering and test management

- The **Test Project Execution Analyzer (flat)**, which displays all test execution results as a flat list, has been removed.
- The trend analyzers **Quality Progress Trend** and **Activity Trend**, which monitor information of a *Test Project* over time, have been removed.

Product line engineering

- The implicit *Asset* use via drag and drop in a diagram has been removed. The drag and drop action of a direct core artifact of a checked-in *Asset* in a diagram of a direct downstream *Product Line*, which reuses the *Asset* and displays the reused core artifact in the diagram, is no longer supported.
- Product line foreign relation conversion:
  - The **Product Line Foreign Relation Converter** has been removed.
  - The metric blocks *Get Assets From Upstream To Convert Foreign Relation* and *Convert Relation After Asset Reuse From Upstream* for converting foreign relations have been removed.
- The following further metric blocks have been removed:
  - *Type Propagator*
  - *Whole Deepest Product Line Relevance Function*

10.6 Fixed issues

Fixed issues in PREEvision 26.0

You will find the important fixed issues in the following tables. Please note that some issues depend on specific configurations, views, or models.

Further information

- Common
- Diagrams
- Tables
- Systems engineering
- Requirements
- Logical function architecture
- AUTOSAR
- Software architecture
- Diagnostics
- Communication
- Hardware architecture
- Geometry
- Product line engineering
- Variant management
- Change and release management
- Test engineering and test management
- Rules
- Metrics
- Collaboration
- Administration
- Backup, restore, and migration

10.6.1 Common

ID	Resolution
17938306916091994	If all diagrams of one diagram type are displayed in the **Search** result view, you can switch between a list view and a tree view.
9082949060133172046	After the content of a table in the **Property View** has been sorted, copying artifacts in the table via the context menu or via **<Ctrl>+<C>** works correctly.
9082949059600482051	For opening the **Usage** property page of a *Constant Reference*, the performance has been improved.
9082949060631692080	The **Compare** perspective is displayed correctly.

ID	Resolution
9082949060718732080	When you compare artifacts, the **Property View Left Side** and the **Property View Right Side** highlight the differences correctly.
9082949058217743108	A problem with merging two artifacts with multi-value custom attributes has been resolved.
9082949059947732113	If you try to create artifacts in a model location where these artifacts cannot be created, an error message is displayed.
9082947085585852025	PREEvision supports high-resolution displays. The resolution of PREEvision is adapted to the scaling that is selected in the Windows settings. The information dialog about the Windows scaling dialog is no longer displayed.
9082947085179441915	The performance of the **Property View** has been improved: **Property View** tables that contain large numbers of artifacts are updated faster.
9082949058587781806, 9082949059445992063	Type changes of artifacts with configured default values no longer result in the loss of internal values.
9082949059944852101, 9082949060398891979, 9082949060352502072	Null pointer exceptions that were caused by asynchronous refreshes of UI elements are now being handled.
9082949059116222076	The Java settings for the parameters "add-opens" and "add-modules" have been unified on the server and client.

10.6.2 Diagrams

ID	Resolution
9082949060580221027, 9082949060725432083	When a diagram is in read-only mode, a colored frame is displayed around the diagram. This frame has been made thicker to make it easier to reach the tooltip. This tooltip provides more detailed information on why the opened diagram is in read-only mode.
9082949060752211995	Documentation objects such as *Comment*, *Todo* and *Information* show the configured icon in the diagram in which they are displayed.
9082947085184442050	For custom palette items, the *Localization*s are correctly displayed in the palette. If no *Localization* exists, the name of the *Palette Folder* is displayed in the palette.

ID	Resolution
9082949060632051884	If the **Enable Multi-Usage for the Selected Tool** button in a diagram toolbar is active, the mouse pointer (default: arrow) changes its appearance.
9082949059882722099	Moving figures with highlights in diagrams works faster.
9082949059891372034	When deleting an artifact in a diagram via **<Ctrl>+<D>**, the deletion does not differ from a delete of the artifact in the **Model View** via context menu.
9082949855494432102	Object configurations of labels are correctly exported and displayed in diagram reports.
9082947087365862081	*Diagram Table Reference*s can only be displayed on artifacts in a diagram not in the diagram area. *Diagram Table Reference*s are not displayed for selection in the **Show Table** dialog if the dialog is opened on a diagram area.
8682711686591042106	The display of text in diagrams exported as SVG has been improved.
9082949059440332081	If an artifact is contained in several diagrams, the diagrams which contain the artifact can be listed in the **Search** view via **Open with | Show diagrams in Search View** on the corresponding artifact. Especially if the artifact is contained more than once in a diagram, the diagram is listed multiple times in the **Search** view. If a diagram is opened from the **Search** view, only the actual representation of the artifact is selected in the opened diagram.
9082949060610141027	Reference lines, which can be used in diagrams to easier align artifacts, are no longer copied when using the paste layout function. In printed diagrams reference lines are not displayed.

10.6.3 Tables

ID	Resolution
9082949060594292101	If you export profiling data for a table to an Excel workbook and the data limit of the Excel workbook is reached, another workbook is created, which contains the remaining data.
9082949060631413043, 9082949060586961995	In tables that display artifacts with lifecycles, the click position for opening the lifecycle state menu on a lifecycle state icon is calculated correctly.

ID	Resolution
9082949060670193082	Duplicating a table and then closing the other table has no effect on open editors.
9082949059809943089	In tables with multiple expandable trees, column metrics no longer duplicate values of parent entries if the cells below the parent entry are empty.

10.6.4 Systems engineering

ID	Resolution
8682711687264651918	The representation of a fulfilled *Requirement* or *Customer Feature* of a *Use Case* in the *Class Diagram* is displayed correctly.

10.6.5 Requirements

ID	Resolution
9082949060650702105	ReqIF agreement export: The export correctly retains and exports all globally defined text styles.
9082949059954192105	Excel export: The export of formatted texts is more robust when exporting various special characters.
9082949060550712105	Specifications containing multiple placeholders for the same file attachment can be exported to Excel.
9082949060651542042	ReqIF import: ReqIF files containing file objects without the mandatory MIME type can be imported. The affected file objects are skipped during the import. A message in the **Information View** lists these cases.
9082949059992833082	ReqIF export: Misleading error messages in the **Information View** when an exported EEA meta attribute had no value set have been removed.
9082949060708581808	Formatted texts containing strings that are identical with escaped Unicode characters, for example, "_x000D_", can be exported using the Excel export.

10.6.6 Logical function architecture

ID	Resolution
9082949058415253108	When executing the **Convert Block** refactoring on a logical block, in the **Convert block** dialog, *Logical Types Package*s in the *Logical Function Architecture* can be selected as target packages in addition to *Logical Types Package*s in the local *Library*.
9082949058528422042	The refactoring function to create a *Building Block* at a *Logical Function* is only available in a *Logical Architecture Diagram*. The functionality is no longer available in the **Model View**.

10.6.7 AUTOSAR

ID	Resolution
8682711686939771024	AUTOSAR import: AUTOSAR files in subfolders will now be imported when using folder import.
9082949059809982056	AUTOSAR import metrics respond to cancel requests from the user.
9082947086060291998	AUTOSAR import: Import of system description cannot produce multiple roots.
9082949060635881032	AUTOSAR export: The attribute **Number Of Repetitions** of an *Event Controlled Timing* is normally exported even if set to "FALSE".
9082949060367081804	AUTOSAR export: The default value for `SW-AXIS-INDEX` has been changed from 0 to 1.
9082949060675331808	AUTOSAR export: `LinNmCluster`s are only exported in AUTOSAR versions from 4.3.0 to 4.4.0.
9082947086046771914	AUTOSAR ECU extract: Implementation data types and application data types of static memory and constant memory are exported.
9082949060527972108	AUTOSAR ECU extract: Nested *Signal IPDU Group*s are exported.
9082949060672922004	AUTOSAR system description: Nested *Signal IPDU Group*s are exported.
9082949060673891030	AUTOSAR cluster extract: The exported *PDU Transmission* as **Secured Payload** of *Secured IPDU*s has been adjusted in case only a single *ECU* is propagated. If multiple *PDU Transmission*s are assigned to a *Secured IPDU* as the **Secured Payload**, the export now deterministically selects a *PDU*

ID	Resolution
	Transmission that shares an *ECU Interface* belonging to the exported *ECU* with its container *PDU Transmission* in the same role, either sending or receiving.
9082949060676202051	AUTOSAR export of software component description: Both internal and physical **Data Constraint**s are exported.
9082949060440931998	AUTOSAR export of software component description: *Port Interface Mapping*s are exported correctly.
9082949058600701810	AUTOSAR export of service instance manifest: `Method-Ref` is exported for *Fire and Forget Method*s.
9082949058350742003	AUTOSAR import and export: The relation `NmEcu.busDependentNmEcu` is now supported. Also, attributes of network management artifacts will be exported according to the selected AUTSOAR version.
9082949060699282004	Consistency check: The check for the AUTOSAR `constraint_3008` has been corrected.
9082949060124492051	Consistency check: Two new checks have been added to make sure that virtual packages only contain valid artifacts.
9082949058822901992	AUTOSAR export: The attribute **CAN FD Baud Rate** is exported correctly for *CAN J1939 Cluster*s.
9082949059155861003	Consistency check: The *Consistency Rule* "p1059_SignalIPDUAssignment_with_wrong_attributes" has been reworked and renamed to "ac01157_SignalIPDUAssignment_with_wrong_attributes".
9082949059158451867	Consistency check: Several checks regarding *Coupling Port*s have been reworked.
9082949060398071913	Consistency check: Several adaptations for checking `[constr_1221]` of the AUTOSAR Software Component Template have been made.
9082949060695662004	Consistency check: Checks related to *Assembly SW Connector*s have been corrected and optimized.
9082949060484921024	Consistency check: The *Consistency Rule* "pc1077_SenderReceiverCommunication_without_InitValue" has been removed, because the checks are already covered by the "cac1100" and "cac1891" *Consistency Rule*s.

ID	Resolution
9082947086151441003	Consistency checks: The *Consistency Rule* "cac1935_multiInstanceSupport" has been optimized.
9082949060577302004	Consistency checks: The *Consistency Rule* "RC422_TPS_SYST_02026_OnlyOneEventControlled TimingNumberOfRepititionsNotZero" correctly checks for "Not Set" condition for the attribute **Number Of Repetitions**.
9082949060676212003	Consistency checks: *Consistency Rule Group*s for software and communication are set to **Active**.

10.6.8 Software architecture

ID	Resolution
8682711553173572113	*Application Record Element*s displays the **Port Owner** in addition to the **Common Port** in the **Selecting Port** table of the **Property View**.
8682711687003171875	**Init Value** on *Per Instance Memory* is displayed properly in the **Property View**.
8682711687003271875	Initial values for *Per Instance Memory* can be easily set in tables. An *Application Literal* is created when a value is set.
9082947084768832111	Names of newly created artifacts are now selected correctly even when a content assist is configured.
9082947086104971024	The **Property View** of *Transformation Properties* now displays the relation to *Port Transformation Specification*.
9082949058221122051	The **Property View** of *Per Instance Memory* no longer offers the option to define a data type.
9082949060442012092	The name of the *Software Architecture System Diagram* has been corrected.
9082949060672912004	In the **Property View** of *Signal IPDU Group*s, the **Contained Signal IPDU Groups** table has been added to display contained *Signal IPDU Group*s.
9082949060399261045	The German localization for the table **Context Data Type** in the **Property View** of *Composite Network Representation*s has been improved.
9082949058888412051	The value handling for initial values of *Typed Per Instance Memory* has been corrected.
9082949059964593013	The feedback in the error log when doing MeDeLa syntax evaluation has been improved.

ID	Resolution
9082949060614012051	The display of **Factor** for *Computation Method*s with a double data type has been corrected.
9082949058828941992	Franca: The modeling of generic integers in the "Franca" *Product Line* of the demo model has been corrected. The documentation in the manual has been updated accordingly.
9082949060527191045	Franca export: The export wizard has been optimized and closes if error happens during transformation. Also, the dialog to overwrite files appears only once if exported file already exists.
9082949060439021045	Franca export: The export wizard can now be finished on any page when all wizard pages are complete.

10.6.9 Diagnostics

ID	Resolution
8682711554460332005	The **Diagnostic Realization Explorer** displays all subordinate compositions and software components below the root composition.
8682711554635572005	The **Artifact Picker** has been standardized across the software tables in the **Diagnostic Realization Explorer**.
8682711687005992005	The **Event** table in **SW Instance Referencing** category of the **Diagnostic Realization Explorer** the column **DTC** correctly displays the *Diagnostic Trouble Code* including error code.
9082949060085812005	Enablement, assignment, and display in the **Artifact Picker** of the **DID** table and the **IO Control** table in **SW Instance Referencing** category of the **Diagnostic Realization Explorer** have been corrected.
9082949059821141875	Diagnostic export: **Initial Values** in the context of *Application Array*s are correctly exported.
9082947085174592005	Diagnostic export: A *Diagnostic Connected Indicator* is only exported via PVCDI if it has both a **Healing Cycle** (*Diagnostic Operation Cycle*) and an **Indicator** (*Diagnostic Indicator*). If not, an information is reported in the **Infomation View**.
9082949059962742005	In the **Property View** of *System Signal*s, the *DTC Error Code* is now displayed in hex format with leading zeros.

ID	Resolution
9082949059961461875	The **IO Controls** table in **SW Instance Referencing** category of the **Diagnostic Realization Explorer** displays assigned *Diagnostic Data Object*s in case of a client-server realization.

10.6.10 Communication

ID	Resolution
9082947085931821794	The signal routing algorithm has been enhanced to remain stable, even if no communication artifacts are associated with the *Bus System*s. This improvement prevents unintended runtime errors and suppresses a misleading error dialog in the user interface.
9082949060361571914	The **Property View** of *SOME/IP Transformer*s, *End to End Transformer*s, *Generic Transformer*s, and *User Defined Transformer*s has been extended to support decimal values for rational conversion values.
9082949060542231030	A problem that caused a client freeze after moving a *Signal* in the **Frame Layout View** has been resolved.
9082949060714241029	DBC ECU extract: *Signal Group*s are exported.
9082949059882110105	DBC export: Export of electric/electronic hardware components has been corrected.
9082949060515131029	Signal router: A problem that caused an error message when routing composition ports that are connected to root ports has been resolved.
9082949060438951030	The feedback in the **Information View** in case of diverging orders of mapped *Application Record Element*s and *Implementation Record Element*s has been clarified.

10.6.11 Hardware architecture

ID	Resolution
8682711684980282196	The refactoring **Resolve Splice** is executed correctly if the *Splice* to be resolved has assigned a *Schematic Connection*.
9082949058592962083	In the **Property View** of a wire, for example a *Core*, the table on the **Connected Pins in Wiring Harness** property page displays the connected pins of the

ID	Resolution
	wires. The table on the **Connected Pins in Electric Circuit** property page displays the connected pins of the representing *Schematic Connection*s.
9082949060614271806	When executing the **Check Model Consistency** from the **Administration** menu, the **Information View** now displays extended information about warnings and/or errors when checking the wiring harness model structure to facilitate tracking and fixing the inconsistencies in the model.
8682711686958542062	The default label configuration of *Single Wire*s, *Core*s and *Shielding*s is realized via metrics. These metrics are now contained in the correct *Add-in*. Therefore, no errors are reported in the **Information View** if *Single Wire*s, *Core*s and *Shielding*s are created in empty models.
9082949060086752044	Wiring harness routing: When selecting a metric-based configuration as router configuration in the wiring harness router, no *Metric Package* is needed in the metric path of the selected metric.
9082949060688321994	*Header Pin*s can only be assigned to *Header*s or *Header Cavities* which are located on the component of the *Header*.
9082949060533612062	The conversion factors for units, especially those of square and cubic units, have been aligned in the "Wiring Harness Demo Model" *Product Line* in the PREEvision demo model.
9082949058422461029	In the **Property View**, the property page **Wiring Harness** of a wire shows the connected *Wiring Connector* of a *Wire Pin*. As there are several ways to connect wires to a connector, the *Wire Pin* that is connected to a *Pin Contact* has the highest display priority.
9082947086100981037	The palette entry **Connect Single Wire** to connect an existing *Single Wire* in *Wiring Diagram*s and *Wiring System Diagram*s has been removed.
8682711554423001268	The **Populate Artifact** dialog which opens when executing the **Populate...** action on a component in an auto-layout *Wiring Diagram* or *Wiring System Diagram*, only displays the **Show Conditions** populate option. Other populate options which are not allowed are not displayed.
9082949059105152102	In a *Wiring Diagram*, for a *Schematic Pin* or *Splice*, the **Populate** function of a *Condition* was always redirected from the *Schematic Pin* or *Splice* to its

ID	Resolution
	Wire Pin. Now, the **Populate** function of a *Condition* relates to the represented artifact (*Schematic Pin* or *Splice*).
9082949060021742083	Copy and paste actions of documentation objects, for example **Frame**, **Ellipse**, **Polygon Frame**, **Text**, in *Hardware Device Template Diagram*s, *Connector Template Diagram*s and *Segment Point Template Diagram*s are supported.
9082949060481181994	KBL import and export: The KBL import and export configuration files `importer.config` and `exporter.config` are no longer included in the "Electrologic and Harness" default *Add-in*. They are still available in the "Auxiliary: Import and Export Configuration" demo *Add-in*.
9082949060133642062	When a KBL file is imported twice via the KBL import metric into the same package, the existing *Local Administration* is replaced by the newly imported one. This change leads to the same behavior as with PREEvision 10.x and earlier.
9082949060608142039	KBL export: The error due to an XML schema violation during export via KBL custom export metric has been resolved.
9082949060126491784	KBL export: If the artifact propagation has already been executed via the **[Execute Propagation]** button in the KBL export wizard, and the propagation settings have been changed afterwards on the previous wizard page, the propagation result is reset, and the propagation can be executed again. Additionally, the following issue has been resolved: *Attribute Definition*s linked to the selected *Custom Attribute Profile* are propagated even if they are located in the *Global Administration*.
9082949060627411808	When exporting diagrams to SVG, connections, for example dashed or dotted lines for *Cable*s, are properly exported as they are displayed in the underlying diagram.
9082949060487182196	The **Show/Hide Headers and Pins** dialog, which can be used to display and arrange pins and *Header*s on components in *Wiring Diagram*s or *Electric Circuit Diagram*s, has been adapted. The **Terminal Designator** column has been removed, the **Transmitted Signal** column has been renamed to **Schematic Connection**. The **[Select All]** and **[Deselect All]** buttons also affect the state of the **Show Header** checkbox.

ID	Resolution
9082949060602331027	Using the **Show/Hide Headers and Pins** dialog has led to model inconsistencies. The model inconsistencies have been resolved, and no error is displayed anymore.
9082949060585232102	The delta label configurations have been removed. The label configuration is now included in the default label configuration for *Wiring Diagram*s and *Wiring System Diagram*s again. The required metrics are now contained in the "Object Label Configurations" *Add-in*.
9082949060720372039	The drag and drop of an artifact into the *Wiring Diagram* has caused a client freeze. The client freeze occurred due to uncompiled rules after migration to 26.0. The problem has been resolved after compiling the affected rules.

10.6.12 Geometry

ID	Resolution
9082949060546722045	In the *Geometry*, *Topology Segment*s with contained *Topology Segment Point*s require a defined start node to be routed via the wiring harness router. If a wire is routed through a *Topology Segment* without defined start node, the routing is aborted with an error message. For other *Topology Segment*s not contained in the routing scope only a warning entry is written to the log.
9082949060684581784	When the **Type based representation on placing artifact(s)** display mode is activated for a *Geometry Diagram*, the refactoring **Change Installation Location to Topology Inline Connector** now keeps the *Topology Segment*s and their contained *Topology Segment Point*s and *Topology Segment Interval*s as they are.
9082949060684591784	When the **Type based representation on placing artifact(s)** display mode is activated for a *Geometry Diagram*, the refactoring **Change Installation Location to Topology Inline Connector** now creates the graphical representation of the inline connector including its connector locations.
9082949059956772062	In a *Geometry Diagram* it is no longer possible to create multiple representations of a *Connector Location* within a section or the diagram space.

ID	Resolution
9082949060683331782	A quick fix for the consistency check "C9022_TopologySegment_withoutStartNode" is available which sets the start node with the lowest id as start node for a *Topology Segment*.

10.6.13 Product line engineering

ID	Resolution
9082949060527982012	The context menu action to build an *Asset* automatically has been renamed from **New | Corresponding Asset(s)** to **New | Create or Refresh Asset(s)**, to increase comprehensibility and to refer to the **Refresh Asset(s) and Check-in** function.
9082949060706282034	A merge error that occurred during the integration of updated *Asset* artifacts with modified to-one relations has been fixed.
9082949060706282034	Now, when *Asset*s are replaced, the internal relations between core artifacts whose version is not changed by the replacement are updated.

10.6.14 Variant management

ID	Resolution
8682711687441982012	In the **Artifact** column of the **Set Content View**, you can select all artifacts via **<Ctrl>+<A>**.
9082949059284011917	The recalculation of variants after minor changes has been optimized.

10.6.15 Change and release management

ID	Resolution
9082947085560923013	The **Show change history** action displays the **Change history**, even if the selected artifact has been checked out by another user and the model has not been updated.

10.6.16 Test engineering and test management

ID	Resolution
9082949060367101229	*Test Case Run*s which have been planned in a previous *Test Execution Increment* and for which at least one *Test Step Run* had been set to a verdict "passed" cannot be planned into a subsequent *Text Execution Increment* until all *Test Step*s have been completed.
9082949060711702042	The action **Manual Test Sequence Synthesis** supports multiple selection of *Test Specification*s or *Test Heading*s again.

10.6.17 Rules

ID	Resolution
9082949060373702070	In the **Consistency Check Results** view, the **Expand Result** action is no longer offered if no inconsistencies are found.
9082949059798642102	**Information View** entries and log file entries regarding the execution of *Consistency Rule Group*s include the name of the *Consistency Rule Group*.
9082950129643052102	When copying a rule, the **isNavigable** settings of the links of a rule are now kept.
9082949060478961234	A new rule *Object* receives the correct default name when it is created in a rule diagram by dragging a connection from an existing rule *Object* to an empty area of the diagram while holding down the **[SHIFT]** key.
9082949059992982101	The feedback regarding MeDeLa errors in the rule compilation has been revised for both the client and the server.

10.6.18 Metrics

ID	Resolution
9082947087335711995	Dragging and dropping a *Source Code* into a *Metric Diagram* creates a new *Calculation Block* that links to the *Source Code*.
9082949059975612024	The *Compare Model Tree* block now correctly evaluates metric-based *Compare Configuration*s.

ID	Resolution
9082949060657113054	The *Set, Change, or Remove Connector Prototype* block opens a dialog if the new *Connector Prototype* provided to the block has fewer cavities than the one previously used. Clicking **[OK]** closes the dialog and deletes the extra cavities, contacts, and their relations. Clicking **[Cancel]** closes the dialog and returns "Cancel" at the "changedArtifact" output port.
9082947087304402050	The *CSV Export* block now has an input port for setting the character encoding. The default encoding is `utf-8`.
9082947086024502011	A new output port has been added for the *Open Condition Editor* block which returns `0` if the dialog was closed via the **[OK]** button or `1` if the dialog was closed via the **[Cancel]** button.
9082949060440562060	The option **Table Editors | Metric Table** has been removed from the context menu.
9082949059976352113, 9082949059975293042	The highlight calculation in *Metric Diagrams* has been limited to artifacts that are contained in the diagram.
9082949060519753088	Error messages related to invalid MCHL allow list files have been improved. Configuration files from multiple global administrations can now be handled.
9082947087375251024	Moving the first or last element of a composite up or down with the *Change Order* block no longer results in a null pointer exception.
9082949060784741995	For the automated metric execution via ANT script, both „selectedElements“ and „parameters“ can be simultaneously set to set the input of the metric. The PREEvision configuration manual has been updated and now describes how model contexts are overwritten when both parameters are specified. If both „selectedElements“ and „parameters“ are set, „selectedElements“ overrides the first context below the metric executor that matches one of the following criteria: > The context is a *Primary Model Context*. > The context is a *Model Context* with the name "source".
9082949059594081995	A null pointer exception that occured while executing multiple internal loops in metrics is now being handled.

ID	Resolution
17938305016852042	The *Open File Dialog* and *Open Directory Dialog* blocks now use the same Windows dialog.
9082949059596701870	The **Undo All Locks** action no longer fails during automatic metric execution.
9082949059227171992	Context menu folders containing only metric executors are now displayed.

10.6.19 Collaboration

ID	Resolution
9082949059717192203	Files with a file size larger than 500MB can be committed if the application server is installed on a Linux system.
9082949060130312062	Performance of label calculations in scope definition mode has improved.
8682711687273921030	A problem with checking out reused types with checked-out instances has been resolved.
9082949058320162203	E-mails that are sent during lifecycle transitions use UTF-8 encoding.
9082949059693322051	A problem has been resolved which caused an error message after a large commit and subsequent updates for many users.
9082949058764420124	If you try to replace an artifact version with another artifact version that has a different object UUID, a detailed error message is displayed.
9082949060355222203, 9082949060440572203	Client-server communication has been made more robust for committing many files, such as during *Add-in* installations, and for poor connections to the SVN server.
8682711553438923103	In the Jaeger three-tier test environment, server traces are now categorized under "PREEvision Server"

10.6.20 Administration

ID	Resolution
9082949059825641995	The **Custom Attribute Definition Editor** has been optimized and shows *Multi Value Attribute Definition*s and their details.

ID	Resolution
9082949060050571786	The error during *Add-in* installation in installation mode comprising large models, for example, models containing more than 60-80 million artifacts, has been resolved.
9082949059140171995	The *Metric Diagram*s that are provided with the *Demo Add-in* "Auxiliary: Change Profiles" have been repaired.
9082949059944112068	When updating *Add-in*s containing *Condition*s, *Condition*s and their child artifacts are properly updated. Changes can now be delivered via update. No deletion of the *Condition* in the target model is necessary anymore.
9082947084965702191	In the **Information View**, all postings about uninstalling *Add-in*s are now grouped under a new main entry. A new subentry lists the uninstalled *Add-in*s.
9082949058283511868	When installing partial *Add-in* deliveries, *Add-in*s not included in the delivery are no longer uninstalled. The `-DdeactiveAddinsDeinstallation` parameter of the `PREEvision.ini` client configuration file is obsolete.
9082949058382351868	The installation wizard displays a message when a user cancels an *Add-in* installation.
9082949060533692101	Reverting customized *Add-in* artifacts has been improved: You can now select multiple artifacts to revert them to their original state. The results of the reversion are displayed in the **Information View**. Additionally, the reporting of reversion progress has been improved.
9082949060562821868	*Add-in* propagation now considers the *Data Type Unit* for *Application Data Type*s that are used as *Attribute Definition*s or in *Parameter Block*s.
8682711686729843013	When unrecoverable authority model constellations occur, proper PREEvision error handling now applies, such as switching to read-only mode.
8682711554422571917	Users who do not have the necessary rights to execute a check-out action no longer see the check-out entry in the context menu.
9082949058981311229	Artifacts that have been removed in the authority model are displayed correctly in the **Commit Dataset** dialog.

ID	Resolution
9082949059591091806	When you export parts of the authority model, in the export wizard, the same artifacts are selected as in the **Model View**.
9082949060426062051	If the **Inherit Data Type Unit** option is activated for a *Value Handling Configuration*, the *Data Type Unit* is taken over correctly from the referenced data type.
17938308088942039	*Add-in* propagation now considers all rules and metrics included in a *Diagram Configuration*.
9082949060710431231	**Add as core artifact** is now the default selection in the *Add-in*'s drag and drop menu.
9082949059395451837	The "Configuration without Add-ins" *Table* now only displays artifacts that are not assigned to an *Add-in*. This includes artifacts assigned to *Test Add-in*s, *Demo Add-in*s, or *Obsolete Add-in*s.
9082949060526532012	Clicking **[Cancel]** in the **Create Add-in Delivery Model** dialog before specifying a save location will close the dialog immediately.
9082949060542252039	If an *Add-in* installation results in unsynchronized reuse, the user is now prompted in the **Information View** to perform a model consistency check to resolve the issue.
9082949060680981995	When a *Table* is moved to a *Table Editor Package* within the *Table Editor Configuration* of a *Local Administration* or *Global Administration*, it is removed from the auto-managed configuration data.
9082949058603321231	When installing or delivering *Add-in*s, it is checked whether ACD (auto-managed configuration data) artifacts whose insertion point (location where an ACD artifact virtually resides in the model) is not included in an *Add-in* have parent ACD artifacts whose insertion points are also not included in the *Add-in*.
8682711687408941202	Add-in installations assign obsolete artifacts to a single *Obsolete Add-in*.
9082949059944191995	The OSLC view has been renamed "OSLC Links" and a new icon has been added.
9082949059828112112	The message in the **Missing External Relations** dialog has been clarified.
8682711686356961229	A problem with the localization of license-related log file entries has been resolved.

ID	Resolution
8682711555040521217	The connection data (host and port) for the data collector and data query are logged in the log file.
9082947084928643008	The **Model Extraction With History** action is only available for user with administrator rights.

10.6.21 Backup, restore, and migration

ID	Resolution
9082949060578321872	In the administration panel in the **Backup Configuration**, the option for handling referenced model versions has been updated. The option **Omit referenced model versions** has been renamed to **Include referenced model versions**. The option is now disabled by default, which means referenced model versions are not included in the backup.

10.7 Known issues

Known issues in PREEvision 26.0

You will find the important known issues in the following table. Please note that some issues depend on specific configurations, views, or models.

ID	Known issue
8682711555165912106	ReqIF export: For empty attributes, the string defined in the **Text for empty Labels** property is exported instead of an empty string. By default, this is "---". **Workaround:** In the **Preferences**, under **PREEvision | General**, remove all characters from the **Text for empty Labels** property.
9082949059821032062	During KBL export with propagation, more artifacts are exported than were propagated. This is caused by an issue in the export framework. For example, it is currently not possible to export only a specific *Connector Location* if its *Installation Location* is part of the propagated artifacts, since all contained *Connector Location*s are exported. The exported KBL file however is valid.
9082949059853333059	When comparing two artifacts, in the **Compare** perspective one of the **Property View**s of the artifacts to be compared is, in some cases, not displayed in compare mode. **Workaround:** Close the **Compare** perspective and execute the artifact compare again.
9082949059891171896	Artifacts that have been unloaded from the temporary scope are kept in memory. **Workaround:** Commit the model to remove artifacts of the temporary scope from memory.
9082949060708422113	PVCDI export: Until now, *Attribute Definition*s and their lightweight values are only exported to PVCDI variants if they are contained in a variant set. With PREEvision 26.0, it is no longer possible to assign an *Attribute Definition* to a variant set, since this would represent an invalid relation in the form of a model-crossing link. Already existing *Attribute Definition*s contained in variant sets, however, remain valid and can be exported without restriction. **Workaround:**

ID	Known issue
	To model variants for PVCDI export, it is necessary to define a temporary exception in the `ModelCrossingLinkConfigurationFile.mchl` located in the *Global Administration* | *Configuration File Container* | *ModelCrossingLinkConfiguration*. Add the following entry: `ALLOW AttributeDefinition.includedBySet.includedArtefacts`
9082949855557903059	In some cases, when a *Report* includes a *Report Module* with placeholders, double spaces at the end of a paragraph are not merged to one space. This situation occurs if there is a space after the placeholder including the *Report Module* and the *Report Module* ends with a space. **Workaround:** Open the *Report* or the *Report Module* and delete one of the spaces.
9082949060452921859	In case of an updating ReqIF import, this means importing a ReqIF file into an already existing structure, some artifacts are locked even though they are not changed. When committing, the commit dialog correctly shows which artifacts are changed. **Workaround:** If you commit right before and right after the updating import, the commit dialog shows the correct set of changed artifacts.
9082949060440593008, 9082949060554172008	Dialogs that display artifacts or that are used to select an artifact sometimes do not show all artifacts. The error is caused by virtually displayed artifacts, for example, *Product Line Package*s, in combination with the scope handling.

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