



PREEvision

Release Notes

Imprint

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1 PREEvision 26.0

This chapter contains the following information:

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1.1 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

1.2 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.

Monitoring

In PREEvision 10.x, 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. In PREEvision 26.0, the size limitation no longer applies.

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.

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.

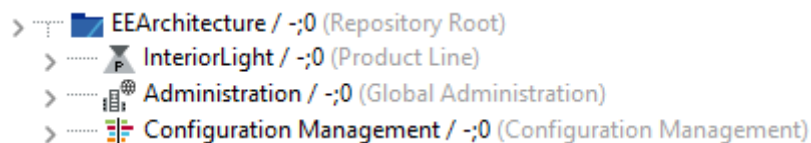
1.3 New features in PREEvision 26.0

- Further information
- > [Model structure](#)
 - > [Usability improvements](#)
 - > [Administration](#)
 - > [Configuration](#)

1.3.1 Model structure

- New model structure
- PREEvision provides a logically separated model structure consisting of the following models under the *Repository Root*:
- > *Product Lines*: contain all data relevant for developing a cyber-physical and software-defined system (E/E data).
 - > Administration: contains the *Global Administration* and the *Local Administrations* of the individual *Product Lines*.
 - > *Configuration Management*: technically contains the logical structure of the domain model.

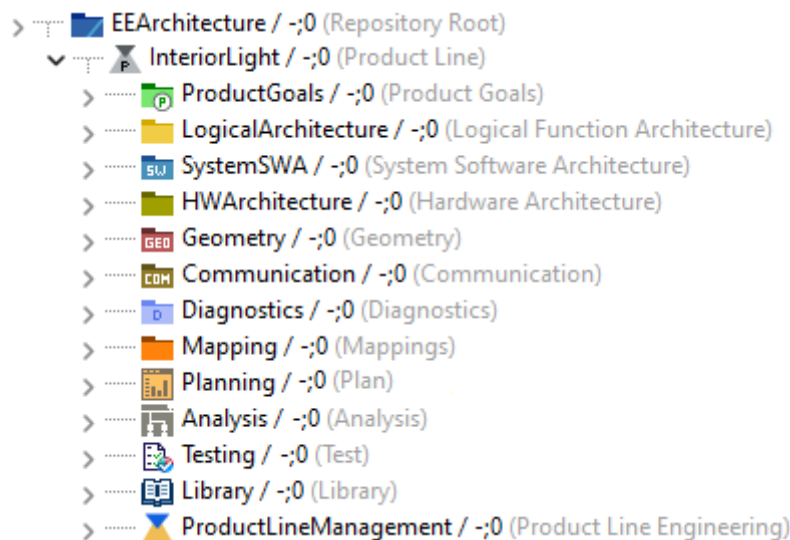
The model is only logically separated, technically all artifacts remain in one model.



- 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.

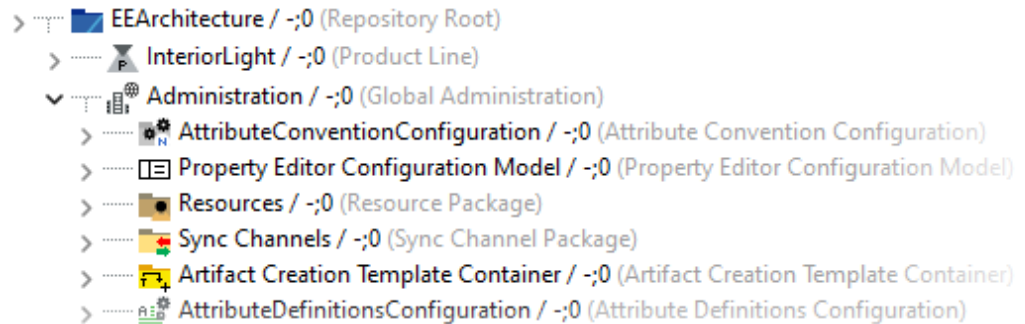
Artifacts formerly located under the *Repository Root* in parallel to *Product Lines*, for example *Library*, *Plan*, *Analysis*, are now integrated into individual *Product Lines*. The *Design Models*, formerly located under the *Repository Root*, has been completely removed.



Administration

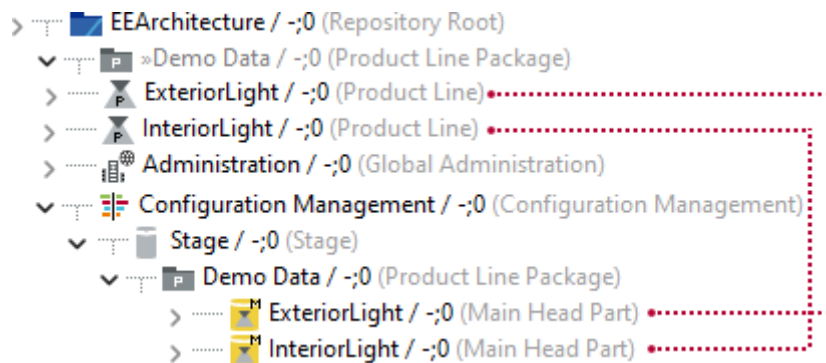
The *Global Administration* contains all data relevant for administration and configuration of the PREEvision client, rules or metrics.

Local Administrations are located in *Product Lines*. They are displayed in the *Product Lines* 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.

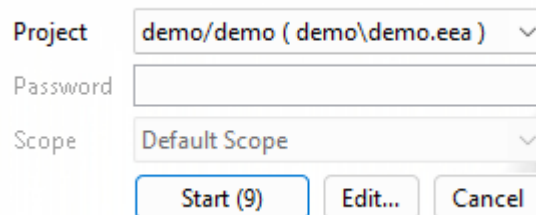


1.3.2 Usability improvements

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.

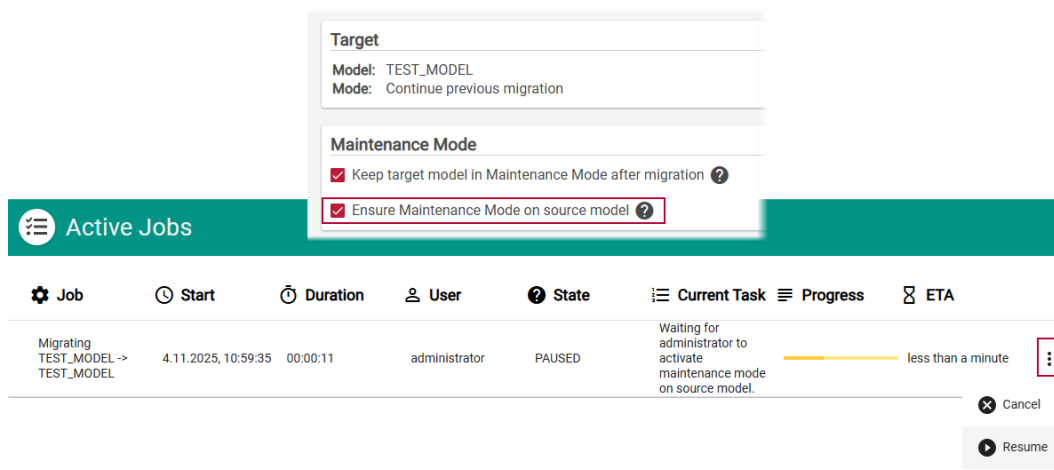
1.3.3 Administration

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).

1.3.4 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*.

Data Type Configuration

EN UM State / -;0 (Application Enumeration Type) * 2/13/26, 10:02 AM

Literals

Literals: 3 of 3 artifacts are shown

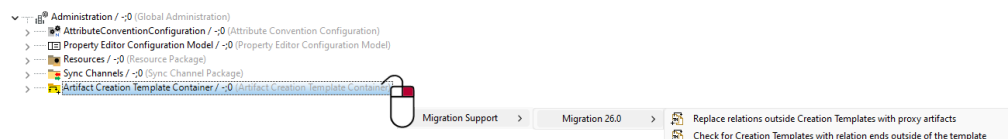
Index	Name	Ac	ol	Label	Value	Description
0	'ab' accepted		set-	-not set-	---	
1	'ab' to be discussed		-not set-	-not set-	---	
2	'ab' declined		-not set-	-not set-	---	

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

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

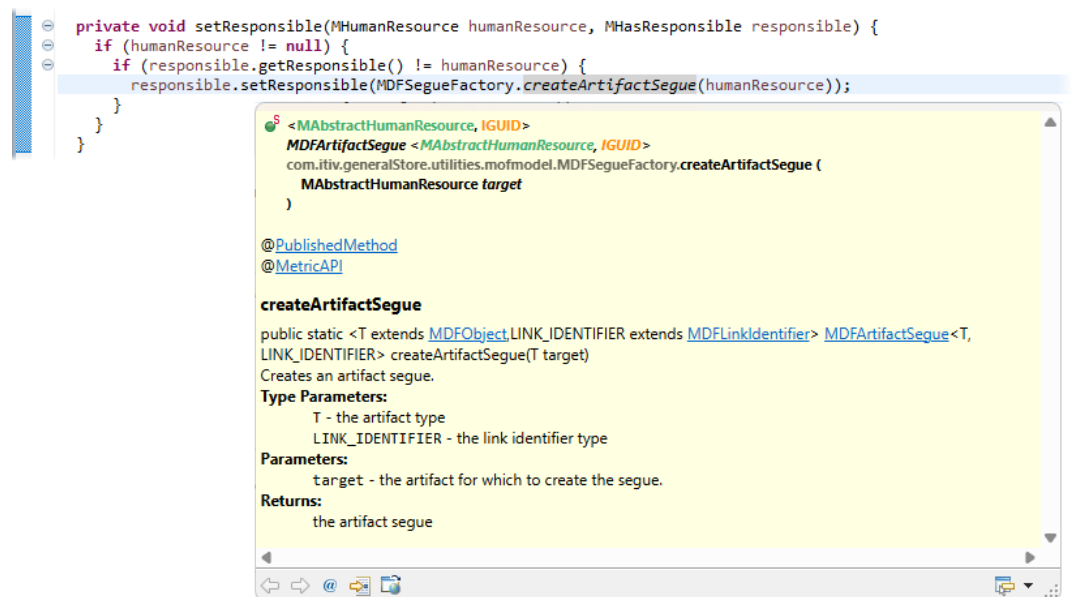


You can only execute an *Artifact Creation Template* for a *Product Line* if the original *Product Line* that has been pasted to the *Artifact Creation Template* is part of your scope.

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. You can access the HTML help in the installation folder of the PREEvision client under:

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

Testing configurations

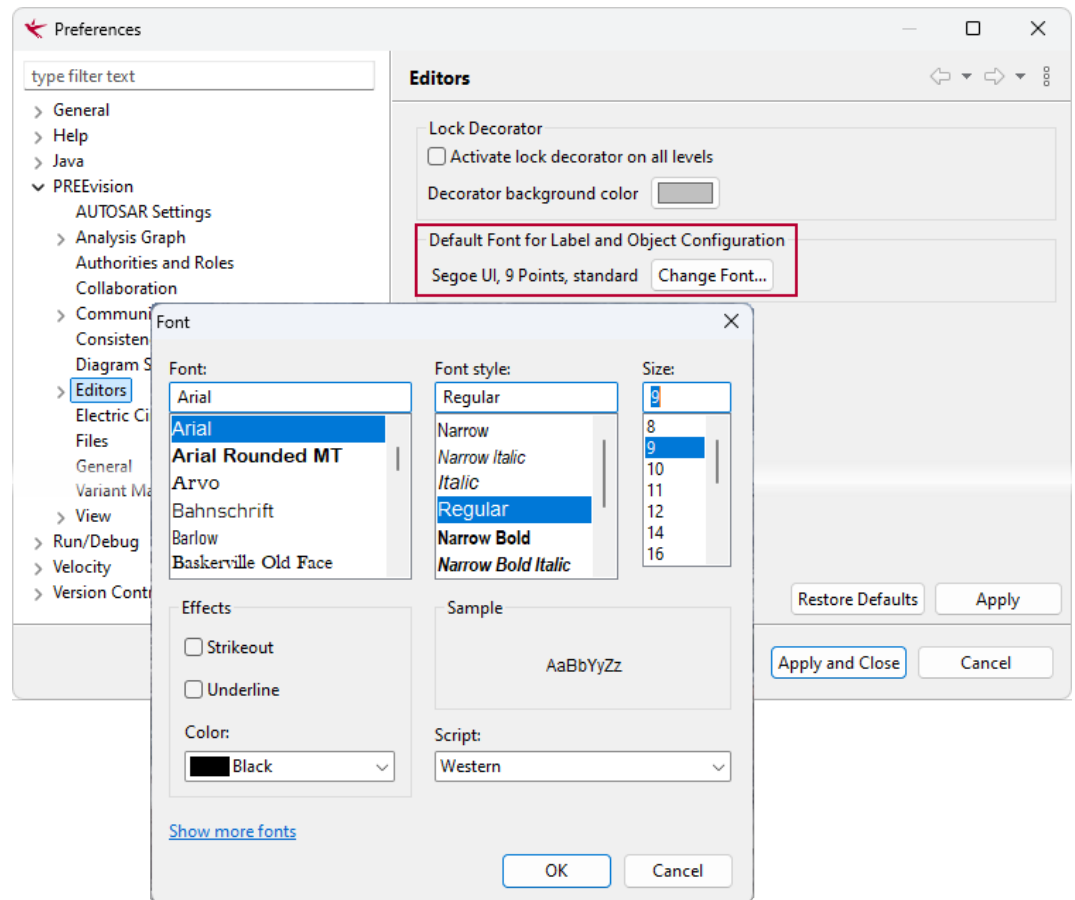
The new Configuration Test Overview table makes it easy to set up and manage repositories for storing data for configuration tests.

Test / 26.0.0-Product:0	Test Path / 26.0.0-Product:0	Test Data / 26.0.0-Product:2	Test Data Path / 26.0.0-Product:1	Test Add-In / 26.0.0-Product:0
Configuration Test Package A (Metric Package)	Configuration Test Package A	Test Data A (Product Line)	Configuration Test Package A	Configuration Test 1 (Test Add-In)
Configuration Test 1 (Test Metric Executor)	Configuration Test Package A	Test Data A (Product Line)	Configuration Test Package A	Configuration Test 1 (Test Add-In)
Configuration Test Package B (Metric Package)	Configuration Test Package B	Test Data D (Product Line)	Configuration Test Package D	
Configuration Test 2 (Test Metric Executor)	Configuration Test Package B	Test Data D (Product Line)	Configuration Test Package D	
Configuration Test Package C (Metric Package)	Configuration Test Package C	Test Data C (Product Line)	Configuration Test Package C	
Configuration Test 3 (Test Metric Executor)	Configuration Test Package C	Test Data C (Product Line)	Configuration Test Package C	
Configuration Test Package D (Metric Package)	Configuration Test Package D	Test Data D (Product Line)	Configuration Test Package D	
Configuration Test 4 (Test Metric Executor)	Configuration Test Package D	Test Data D (Product Line)	Configuration Test Package D	
Configuration Test Package E (Metric Package)	Configuration Test Package E			
Configuration Test 5 (Test Metric Executor)	Configuration Test Package E			



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 Attachments* 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 Attachments* 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"

1.4 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
<i>Get File</i> Category: Common	New output port (<i>Data Source Port</i>) "availableFiles" (data type: <code>Collection<MFileAttachment></code> , default: <code>NULL</code>). This port returns all <i>File Attachments</i> that are locally available. The common use case of the block is to pass one <i>File Attachment</i> artifact into the block. The new output port now allows further processing of the <i>File Attachment</i> artifact.
<i>Excel Import</i> Category: Common	The "filepath" input port now accepts <i>File Attachments</i> in addition to file paths for importing.
<i>CSV Export</i> Category: Common	New optional input port (<i>Data Target Port</i>) "encoding" (data type: <code>String</code> , 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"
<i>Add-in Delivery</i> Category: Administration	The mandatory input port "exportTestPREEstoreDelivery" has been removed. Updated description of input port "exportFilePath": Full path including the name of the exported <i>Add-ins</i> 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: <code>List<Add-in></code> , default: not set): Only the provided list of <i>Add-ins</i> is exported. If the input port is not connected or an empty list is provided, then all <i>Add-ins</i> in the <i>Global Administration</i> are considered. The <i>Add-ins</i> that are exported must additionally fulfill the requirements controlled by the input port "exportTestAddinsDelivery". New optional input port "exportTestAddinDelivery" (data type: <code>Boolean</code> , default: <code>false</code>). Possible values: > <code>true</code>: A test export is executed. The resulting file contains all selected <i>Add-ins</i>, regardless of their Delivery State and check-in state. > <code>false</code>: Only <i>Add-ins</i> that are checked-in and have the Delivery State "Ready for Delivery" are exported.

Block and category	Changes
<i>Add-in Installation/Update</i> Category: Administration	The mandatory input port "exportTestPREEstoreDelivery" was renamed to "addinsFilePath". The port provides the full path to the <i>Add-ins</i> file containing the <i>Add-ins</i> to be installed. The file extension must be .addins.
<i>Update Asset</i> Category: Product Line Engineering	New optional input port "productLineTypeForUpdateWithSubstitutions" (data type: <i>Product Line Type</i> , default: NULL): Substituting components requires that a <i>Product Line Type</i> is provided at this port. The type characterizes temporary <i>Product Lines</i> 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	<i>Determine Migration Status</i>
Product Line Engineering	<i>Migrate Asset Permanently</i>
Product Line Engineering	<i>Merge Assets</i>
Product Line Engineering	<i>Type Propagator</i>
Product Line Engineering	<i>Get Assets From Upstream To Convert Foreign Relation</i>
Product Line Engineering	<i>Convert Relation After Asset Reuse From Upstream</i>
Software Architecture	<i>Whole Deepest Product Line Relevance Function</i>
Software Architecture	<i>AUTOSAR Identity Function (Source defines ImExId matching)</i>
Communication	<i>PLM XML Document Creator</i>
Electrologic and Harness	<i>KBL Export</i>
Electrologic and Harness	<i>KBL Import</i>
Change Management	<i>Ticket Import</i>
Tables	<i>Table Reference Import</i>

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`

1.5 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. > <i>Diagram Table References</i> have been removed.
Product goals	The <i>Feature Functionality Network</i> 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 <i>Component Circuit Diagram</i> has been removed. > The <i>Concept System Diagram</i> has been removed. > The <i>KBL Import</i> block and the <i>KBL Export</i> block have been removed. > The Wiring Harness Import via Excel files has been removed. > The function of mapping KBL attributes to <i>Pre Build Variant Conditions</i> or <i>Variation Point Sets</i> via <i>Variation Point Types</i> has been removed. Thus, the <i>Variation Point Type</i> 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 <i>Test Project</i> over time, have been removed.
Product line engineering	> The implicit <i>Asset</i> 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 <i>Asset</i> in a diagram of a direct downstream <i>Product Line</i>, which reuses the <i>Asset</i> 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 <i>Get Assets From Upstream To Convert Foreign Relation</i> and <i>Convert Relation After Asset Reuse From Upstream</i> for converting foreign relations have been removed.

- > The following further metric blocks have been removed:
 - > *Type Propagator*
 - > *Whole Deepest Product Line Relevance Function*

1.6 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](#)
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- > [Product line engineering](#)
- > [Variant management](#)
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- > [Rules](#)
- > [Metrics](#)
- > [Collaboration](#)
- > [Administration](#)
- > [Backup, restore, and migration](#)

1.6.1 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 <i>Constant Reference</i> , the performance has been improved.
9082949060631692080	The Compare perspective is displayed correctly.
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.

ID	Resolution
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.

1.6.2 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 <i>Comment</i> , <i>Todo</i> and <i>Information</i> show the configured icon in the diagram in which they are displayed.
9082947085184442050	For custom palette items, the <i>Localizations</i> are correctly displayed in the palette. If no <i>Localization</i> exists, the name of the <i>Palette Folder</i> is displayed in the palette.
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.

ID	Resolution
9082947087365862081	<i>Diagram Table References</i> can only be displayed on artifacts in a diagram not in the diagram area. <i>Diagram Table References</i> 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.

1.6.3 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.
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.

1.6.4 Systems engineering

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

1.6.5 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.

1.6.6 Logical function architecture

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

1.6.7 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 <i>Event Controlled Timing</i> is normally exported even if set to "FALSE".

ID	Resolution
9082949060367081804	AUTOSAR export: The default value for <i>SW-AXIS-INDEX</i> has been changed from 0 to 1.
9082949060675331808	AUTOSAR export: <i>LinNmClusters</i> 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 <i>Signal IPDU Groups</i> are exported.
9082949060672922004	AUTOSAR system description: Nested <i>Signal IPDU Groups</i> are exported.
9082949060673891030	AUTOSAR cluster extract: The exported <i>PDU Transmission</i> as Secured Payload of <i>Secured IPDUs</i> has been adjusted in case only a single <i>ECU</i> is propagated. If multiple <i>PDU Transmissions</i> are assigned to a <i>Secured IPDU</i> as the Secured Payload , the export now deterministically selects a <i>PDU Transmission</i> that shares an <i>ECU Interface</i> belonging to the exported <i>ECU</i> with its container <i>PDU Transmission</i> in the same role, either sending or receiving.
9082949060676202051	AUTOSAR export of software component description: Both internal and physical Data Constraints are exported.
9082949060440931998	AUTOSAR export of software component description: <i>Port Interface Mappings</i> are exported correctly.
9082949058600701810	AUTOSAR export of service instance manifest: <i>Method-Ref</i> is exported for <i>Fire and Forget Methods</i> .
9082949058350742003	AUTOSAR import and export: The relation <i>NmEcu.busDependentNmEcu</i> is now supported. Also, attributes of network management artifacts will be exported according to the selected AUTOSAR version.
9082949060699282004	Consistency check: The check for the AUTOSAR <i>constraint_3008</i> 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 <i>CAN J1939 Clusters</i> .
9082949059155861003	Consistency check: The <i>Consistency Rule</i> "p1059_SignalIPDUAssignment_with_wrong_attributes" has been reworked and renamed to "ac01157_SignalIPDUAssignment_with_wrong_attributes".
9082949059158451867	Consistency check: Several checks regarding <i>Coupling Ports</i> have been reworked.

ID	Resolution
9082949060398071913	Consistency check: Several adaptations for checking [constr_1221] of the AUTOSAR Software Component Template have been made.
9082949060695662004	Consistency check: Checks related to <i>Assembly SW Connectors</i> have been corrected and optimized.
9082949060484921024	Consistency check: The <i>Consistency Rule</i> "pc1077_SenderReceiverCommunication_without_InitValue" has been removed, because the checks are already covered by the "cac1100" and "cac1891" <i>Consistency Rules</i> .
9082947086151441003	Consistency checks: The <i>Consistency Rule</i> "cac1935_multiInstanceSupport" has been optimized.
9082949060577302004	Consistency checks: The <i>Consistency Rule</i> "RC422_TPS_SYST_02026_OnlyOneEventControlledTimingNumberOfRepetitionsNotZero" correctly checks for "Not Set" condition for the attribute Number Of Repetitions .
9082949060676212003	Consistency checks: <i>Consistency Rule Groups</i> for software and communication are set to Active .

1.6.8 Software architecture

ID	Resolution
8682711553173572113	<i>Application Record Elements</i> displays the Port Owner in addition to the Common Port in the Selecting Port table of the Property View .
8682711687003171875	Init Value on <i>Per Instance Memory</i> is displayed properly in the Property View .
8682711687003271875	Initial values for <i>Per Instance Memory</i> can be easily set in tables. An <i>Application Literal</i> 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 <i>Transformation Properties</i> now displays the relation to <i>Port Transformation Specification</i> .
9082949058221122051	The Property View of <i>Per Instance Memory</i> no longer offers the option to define a data type.
9082949060442012092	The name of the <i>Software Architecture System Diagram</i> has been corrected.
9082949060672912004	In the Property View of <i>Signal IPDU Groups</i> , the Contained Signal IPDU Groups table has been added to display contained <i>Signal IPDU Groups</i> .
9082949060399261045	The German localization for the table Context Data Type in the Property View of <i>Composite Network Representations</i> has been improved.

ID	Resolution
9082949058888412051	The value handling for initial values of <i>Typed Per Instance Memory</i> has been corrected.
9082949059964593013	The feedback in the error log when doing MeDeLa syntax evaluation has been improved.
9082949060614012051	The display of Factor for <i>Computation Methods</i> with a double data type has been corrected.
9082949058828941992	Franca: The modeling of generic integers in the "Franca" <i>Product Line</i> 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.

1.6.9 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 <i>Diagnostic Trouble Code</i> 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 <i>Application Arrays</i> are correctly exported.
9082947085174592005	Diagnostic export: A <i>Diagnostic Connected Indicator</i> is only exported via PVCDI if it has both a Healing Cycle (<i>Diagnostic Operation Cycle</i>) and an Indicator (<i>Diagnostic Indicator</i>). If not, an information is reported in the Information View .
9082949059962742005	In the Property View of <i>System Signals</i> , the <i>DTC Error Code</i> is now displayed in hex format with leading zeros.
9082949059961461875	The IO Controls table in SW Instance Referencing category of the Diagnostic Realization Explorer displays assigned <i>Diagnostic Data Objects</i> in case of a client-server realization.

1.6.10 Communication

ID	Resolution
9082947085931821794	The signal routing algorithm has been enhanced to remain stable, even if no communication artifacts are associated with the <i>Bus Systems</i> . This improvement prevents unintended runtime errors and suppresses a misleading error dialog in the user interface.
9082949060361571914	The Property View of <i>SOME/IP Transformers</i> , <i>End to End Transformers</i> , <i>Generic Transformers</i> , and <i>User Defined Transformers</i> has been extended to support decimal values for rational conversion values.
9082949060542231030	A problem that caused a client freeze after moving a <i>Signal</i> in the Frame Layout View has been resolved.
9082949060714241029	DBC ECU extract: <i>Signal Groups</i> 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 <i>Application Record Elements</i> and <i>Implementation Record Elements</i> has been clarified.

1.6.11 Hardware architecture

ID	Resolution
8682711684980282196	The refactoring Resolve Splice is executed correctly if the <i>Splice</i> to be resolved has assigned a <i>Schematic Connection</i> .
9082949058592962083	In the Property View of a wire, for example a <i>Core</i> , the table on the Connected Pins in Wiring Harness property page displays the connected pins of the wires. The table on the Connected Pins in Electric Circuit property page displays the connected pins of the representing <i>Schematic Connections</i> .
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 <i>Single Wires</i> , <i>Cores</i> and <i>Shieldings</i> is realized via metrics. These metrics are now contained in the correct <i>Add-in</i> . Therefore, no errors are reported in the Information View if <i>Single Wires</i> , <i>Cores</i> and <i>Shieldings</i> are created in empty models.

ID	Resolution
9082949060086752044	Wiring harness routing: When selecting a metric-based configuration as router configuration in the wiring harness router, no <i>Metric Package</i> is needed in the metric path of the selected metric.
9082949060688321994	<i>Header Pins</i> can only be assigned to <i>Headers</i> or <i>Header Cavities</i> which are located on the component of the <i>Header</i> .
9082949060533612062	The conversion factors for units, especially those of square and cubic units, have been aligned in the "Wiring Harness Demo Model" <i>Product Line</i> in the PREEvision demo model.
9082949058422461029	In the Property View , the property page Wiring Harness of a wire shows the connected <i>Wiring Connector</i> of a <i>Wire Pin</i> . As there are several ways to connect wires to a connector, the <i>Wire Pin</i> that is connected to a <i>Pin Contact</i> has the highest display priority.
9082947086100981037	The palette entry Connect Single Wire to connect an existing <i>Single Wire</i> in <i>Wiring Diagrams</i> and <i>Wiring System Diagrams</i> has been removed.
8682711554423001268	The Populate Artifact dialog which opens when executing the Populate... action on a component in an auto-layout <i>Wiring Diagram</i> or <i>Wiring System Diagram</i> , only displays the Show Conditions populate option. Other populate options which are not allowed are not displayed.
9082949059105152102	In a <i>Wiring Diagram</i> , for a <i>Schematic Pin</i> or <i>Splice</i> , the Populate function of a <i>Condition</i> was always redirected from the <i>Schematic Pin</i> or <i>Splice</i> to its <i>Wire Pin</i> . Now, the Populate function of a <i>Condition</i> relates to the represented artifact (<i>Schematic Pin</i> or <i>Splice</i>).
9082949060021742083	Copy and paste actions of documentation objects, for example Frame , Ellipse , Polygon Frame , Text , in <i>Hardware Device Template Diagrams</i> , <i>Connector Template Diagrams</i> and <i>Segment Point Template Diagrams</i> are supported.
9082949060481181994	KBL import and export: The KBL import and export configuration files <code>importer.config</code> and <code>exporter.config</code> are no longer included in the "Electrologic and Harness" default <i>Add-in</i> . They are still available in the "Auxiliary: Import and Export Configuration" demo <i>Add-in</i> .
9082949060133642062	When a KBL file is imported twice via the KBL import metric into the same package, the existing <i>Local Administration</i> 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.

ID	Resolution
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: <i>Attribute Definitions</i> linked to the selected <i>Custom Attribute Profile</i> are propagated even if they are located in the <i>Global Administration</i> .
9082949060627411808	When exporting diagrams to SVG, connections, for example dashed or dotted lines for <i>Cables</i> , 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 <i>Headers</i> on components in <i>Wiring Diagrams</i> or <i>Electric Circuit Diagrams</i> , 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.
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 <i>Wiring Diagrams</i> and <i>Wiring System Diagrams</i> again. The required metrics are now contained in the "Object Label Configurations" <i>Add-in</i> .
9082949060720372039	The drag and drop of an artifact into the <i>Wiring Diagram</i> 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.

1.6.12 Geometry

ID	Resolution
9082949060546722045	In the <i>Geometry</i> , <i>Topology Segments</i> with contained <i>Topology Segment Points</i> require a defined start node to be routed via the wiring harness router. If a wire is routed through a <i>Topology Segment</i> without defined start node, the routing is aborted with an error message. For other <i>Topology Segments</i> 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 <i>Geometry Diagram</i> , the refactoring Change Installation Location to Topology Inline Connector now keeps the <i>Topology Segments</i> and their contained <i>Topology Segment Points</i> and <i>Topology Segment Intervals</i> as they are.

ID	Resolution
9082949060684591784	When the Type based representation on placing artifact(s) display mode is activated for a <i>Geometry Diagram</i> , 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 <i>Geometry Diagram</i> it is no longer possible to create multiple representations of a <i>Connector Location</i> within a section or the diagram space.
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 <i>Topology Segment</i> .

1.6.13 Product line engineering

ID	Resolution
9082949060527982012	The context menu action to build an <i>Asset</i> 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 <i>Asset</i> artifacts with modified to-one relations has been fixed.
9082949060706282034	Now, when <i>Assets</i> are replaced, the internal relations between core artifacts whose version is not changed by the replacement are updated.

1.6.14 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.

1.6.15 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.

1.6.16 Test engineering and test management

ID	Resolution
9082949060367101229	<i>Test Case Runs</i> which have been planned in a previous <i>Test Execution Increment</i> and for which at least one <i>Test Step Run</i> had been set to a verdict "passed" cannot be planned into a subsequent <i>Test Execution Increment</i> until all <i>Test Steps</i> have been completed.
9082949060711702042	The action Manual Test Sequence Synthesis supports multiple selection of <i>Test Specifications</i> or <i>Test Headings</i> again.

1.6.17 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 <i>Consistency Rule Groups</i> include the name of the <i>Consistency Rule Group</i> .
9082950129643052102	When copying a rule, the isNavigable settings of the links of a rule are now kept.
9082949060478961234	A new rule <i>Object</i> receives the correct default name when it is created in a rule diagram by dragging a connection from an existing rule <i>Object</i> 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.

1.6.18 Metrics

ID	Resolution
9082947087335711995	Dragging and dropping a <i>Source Code</i> into a <i>Metric Diagram</i> creates a new <i>Calculation Block</i> that links to the <i>Source Code</i> .
9082949059975612024	The <i>Compare Model Tree</i> block now correctly evaluates metric-based <i>Compare Configurations</i> .
9082949060657113054	The <i>Set, Change, or Remove Connector Prototype</i> block opens a dialog if the new <i>Connector Prototype</i> 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.

ID	Resolution
9082947087304402050	The <i>CSV Export</i> block now has an input port for setting the character encoding. The default encoding is <code>utf-8</code> .
9082947086024502011	A new output port has been added for the <i>Open Condition Editor</i> 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 <i>Metric Diagrams</i> 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 <i>Change Order</i> 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 <i>Primary Model Context</i>. > The context is a <i>Model Context</i> with the name "source".
9082949059594081995	A null pointer exception that occurred while executing multiple internal loops in metrics is now being handled.
17938305016852042	The <i>Open File Dialog</i> and <i>Open Directory Dialog</i> 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.

1.6.19 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.

ID	Resolution
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 <i>Add-in</i> 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"

1.6.20 Administration

ID	Resolution
9082949059825641995	The Custom Attribute Definition Editor has been optimized and shows <i>Multi Value Attribute Definitions</i> and their details.
9082949060050571786	The error during <i>Add-in</i> installation in installation mode comprising large models, for example, models containing more than 60-80 million artifacts, has been resolved.
9082949059140171995	The <i>Metric Diagrams</i> that are provided with the <i>Demo Add-in</i> "Auxiliary: Change Profiles" have been repaired.
9082949059944112068	When updating <i>Add-ins</i> containing <i>Conditions</i> , <i>Conditions</i> and their child artifacts are properly updated. Changes can now be delivered via update. No deletion of the <i>Condition</i> in the target model is necessary anymore.
9082947084965702191	In the Information View , all postings about uninstalling <i>Add-ins</i> are now grouped under a new main entry. A new subentry lists the uninstalled <i>Add-ins</i> .
9082949058283511868	When installing partial <i>Add-in</i> deliveries, <i>Add-ins</i> not included in the delivery are no longer uninstalled. The <code>-DdeactiveAddinsDeinstallation</code> parameter of the <code>PREEvision.ini</code> client configuration file is obsolete.
9082949058382351868	The installation wizard displays a message when a user cancels an <i>Add-in</i> installation.
9082949060533692101	Reverting customized <i>Add-in</i> 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.

ID	Resolution
9082949060562821868	<i>Add-in</i> propagation now considers the <i>Data Type Unit</i> for <i>Application Data Types</i> that are used as <i>Attribute Definitions</i> or in <i>Parameter Blocks</i> .
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.
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 <i>Value Handling Configuration</i> , the <i>Data Type Unit</i> is taken over correctly from the referenced data type.
17938308088942039	<i>Add-in</i> propagation now considers all rules and metrics included in a <i>Diagram Configuration</i> .
9082949060710431231	Add as core artifact is now the default selection in the <i>Add-in's</i> drag and drop menu.
9082949059395451837	The "Configuration without Add-ins" <i>Table</i> now only displays artifacts that are not assigned to an <i>Add-in</i> . This includes artifacts assigned to <i>Test Add-ins</i> , <i>Demo Add-ins</i> , or <i>Obsolete Add-ins</i> .
9082949060526532012	Clicking [Cancel] in the Create Add-in Delivery Model dialog before specifying a save location will close the dialog immediately.
9082949060542252039	If an <i>Add-in</i> 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 <i>Table</i> is moved to a <i>Table Editor Package</i> within the <i>Table Editor Configuration</i> of a <i>Local Administration</i> or <i>Global Administration</i> , it is removed from the auto-managed configuration data.
9082949058603321231	When installing or delivering <i>Add-ins</i> , 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 <i>Add-in</i> have parent ACD artifacts whose insertion points are also not included in the <i>Add-in</i> .
8682711687408941202	Add-in installations assign obsolete artifacts to a single <i>Obsolete Add-in</i> .
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.

ID	Resolution
8682711686356961229	A problem with the localization of license-related log file entries has been resolved.
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.

1.6.21 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.

1.7 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
-	The suspect links feature requires Oracle database version 19.13 or later. To avoid malfunctions, the suspect links feature must be activated by setting a client INI parameter. If you use Oracle database version 19.13 or later and want to use the suspect links feature, contact the Vector support.
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 <i>Connector Location</i> if its <i>Installation Location</i> is part of the propagated artifacts, since all contained <i>Connector Locations</i> are exported. The exported KBL file however is valid.
9082949059853333059	When comparing two artifacts, in the Compare perspective one of the Property Views 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, <i>Attribute Definitions</i> 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 <i>Attribute Definition</i> to a variant set, since this would represent an invalid relation in the form of a model-crossing link. Already existing <i>Attribute Definitions</i> 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 <code>ModelCrossingLinkConfigurationFile.mchl</code> located in the <i>Global Administration Configuration File Container ModelCrossingLinkConfiguration</i>. Add the following entry: <pre>ALLOW AttributeDefinition.includedBy Set.includedArtefacts</pre>
9082949855557903059	In some cases, when a <i>Report</i> includes a <i>Report Module</i> 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 <i>Report Module</i> and the <i>Report Module</i> ends with a space. Workaround: Open the <i>Report</i> or the <i>Report Module</i> 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, <i>Product Line Packages</i>, in combination with the scope handling.



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