ptc

pure variants from ptc

HIGHLIGHTS IN PURE VARIANTS

RELEASE 7.2

Date: 2025-12-18

PURE VARIANTS 7.2

Pure Variants 7.2 is a feature release that provides new capabilities and improvements that pay in on the strategic initiatives **Seamless Experience (ALM)**, **Openness**, **Customer Priorities** and **Scalability.**

Seamless Experience (ALM)

- Support for Codebeamer Stream Baselines
- Tooltips in Pure Variants Widget
- Keep element focus when navigating to Web Client

Scalability

- Resource Monitoring for Pure Variants Services
- Improved Model Server resource management

Openness

- Parametric Variability in Enterprise Architect
- Preserve folder structure during Polarion Transformations

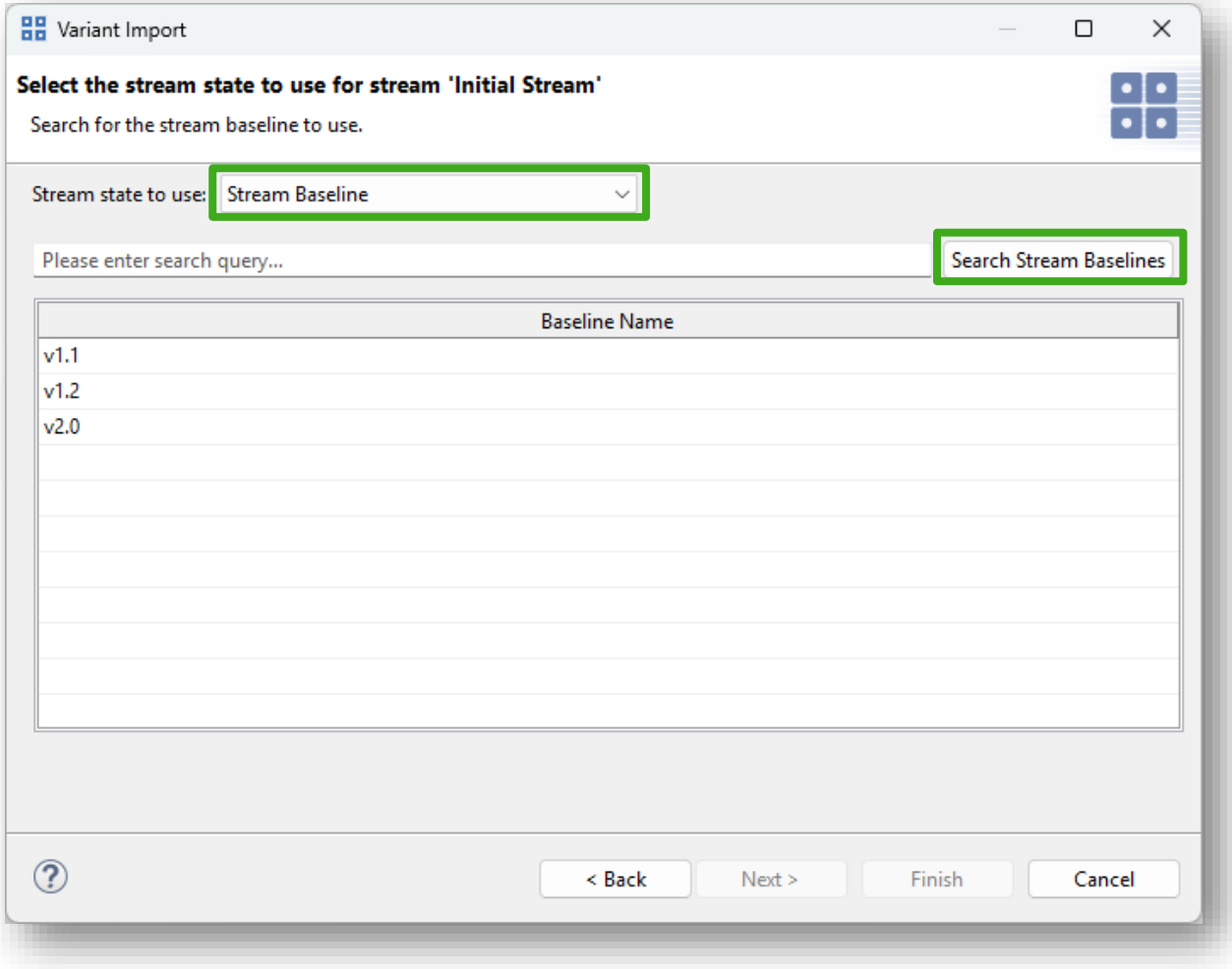
Customer Priorities

- Offline Exchange of baselines between (air gapped) Model Servers
- Transformation parameters for JavaScript Transformations
- “Move Model” refactoring for multiple models
- Share tree layouts of the Matrix Editor in Pure Variants projects

SEAMLESS EXPERIENCE (ALM) - CODEBEAMER

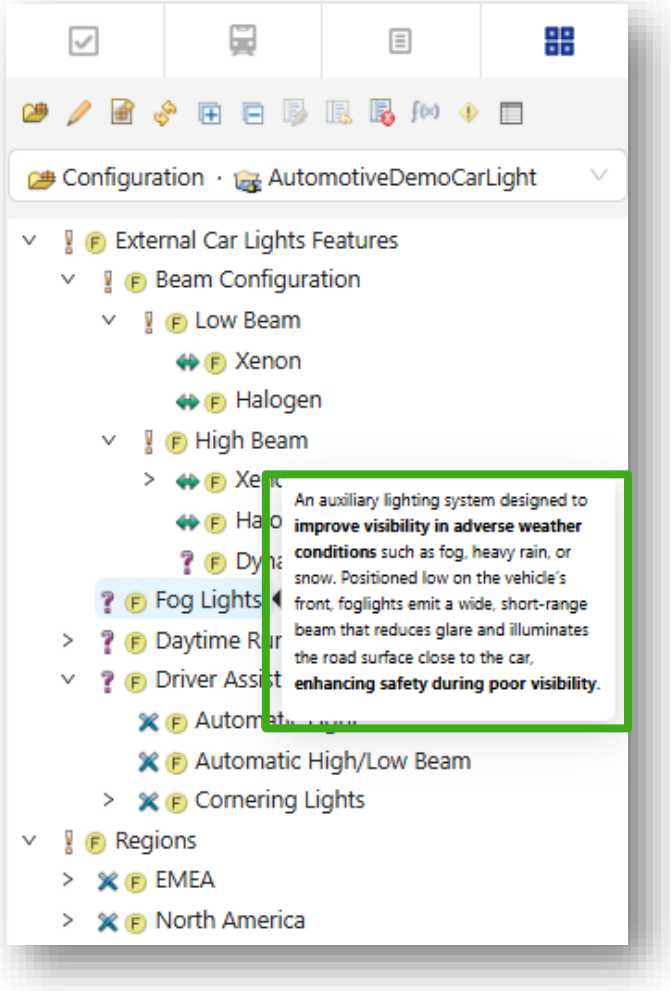
SUPPORT FOR CODEBEAMER STREAM BASELINES

- Pure Variants supports generating variant-specific streams from stream baselines (introduced with Codebeamer 3.2). **(PV-8039)**
- Variant-specific streams are automatically baselined (stream baseline) after transformation to preserve post-transformation state
- Import and transformation of legacy baselines (project and tracker baselines) is still supported



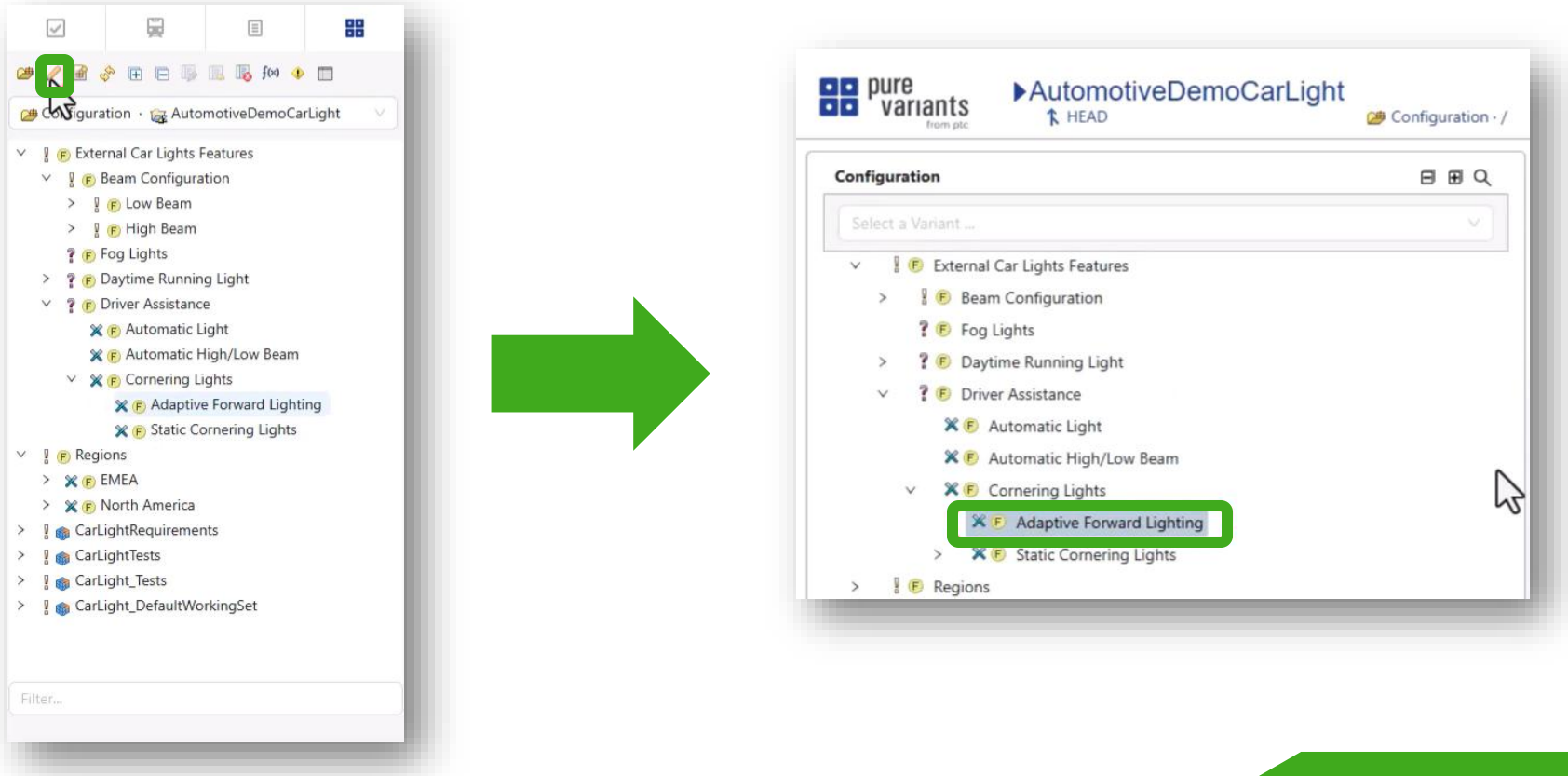
TOOLTIPS IN PURE VARIANTS WIDGET

- When hovering over an element or a property of Pure Variants models in the Pure Variants Widget in Codebeamer, DOORS Next and Polarion, element and property descriptions now show up as tooltips. **(PV-8026)**



KEEP ELEMENT FOCUS WHEN NAVIGATING FROM THE PURE VARIANTS WIDGET TO THE WEB CLIENT

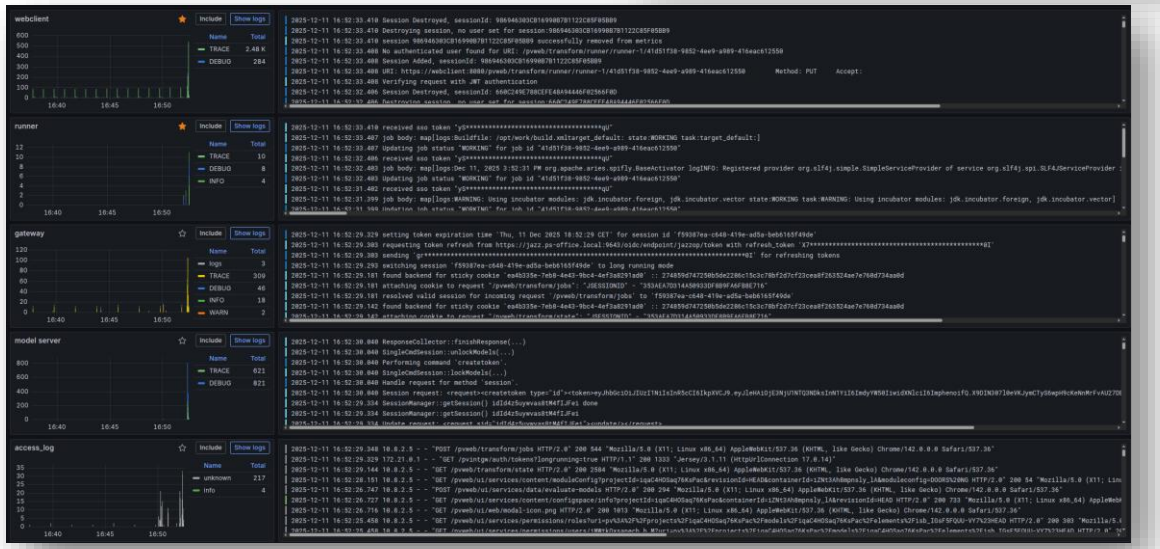
- The focus on a selected element in the Pure Variants Widget in Codebeamer / DOORS NG / Polarion is now preserved if users switch to the Pure Variants Web Client with the “Open in Model Viewer” action. **(PV-8025)**



SCALABILITY

RESOURCE MONITORING FOR PURE VARIANTS SERVICES

- Administrators can access a centralized, web UI to monitor resource consumption of Pure Variants services (Model Server, Web Client, Gateway), export and search through all service-related logs. **(PV-6625)**



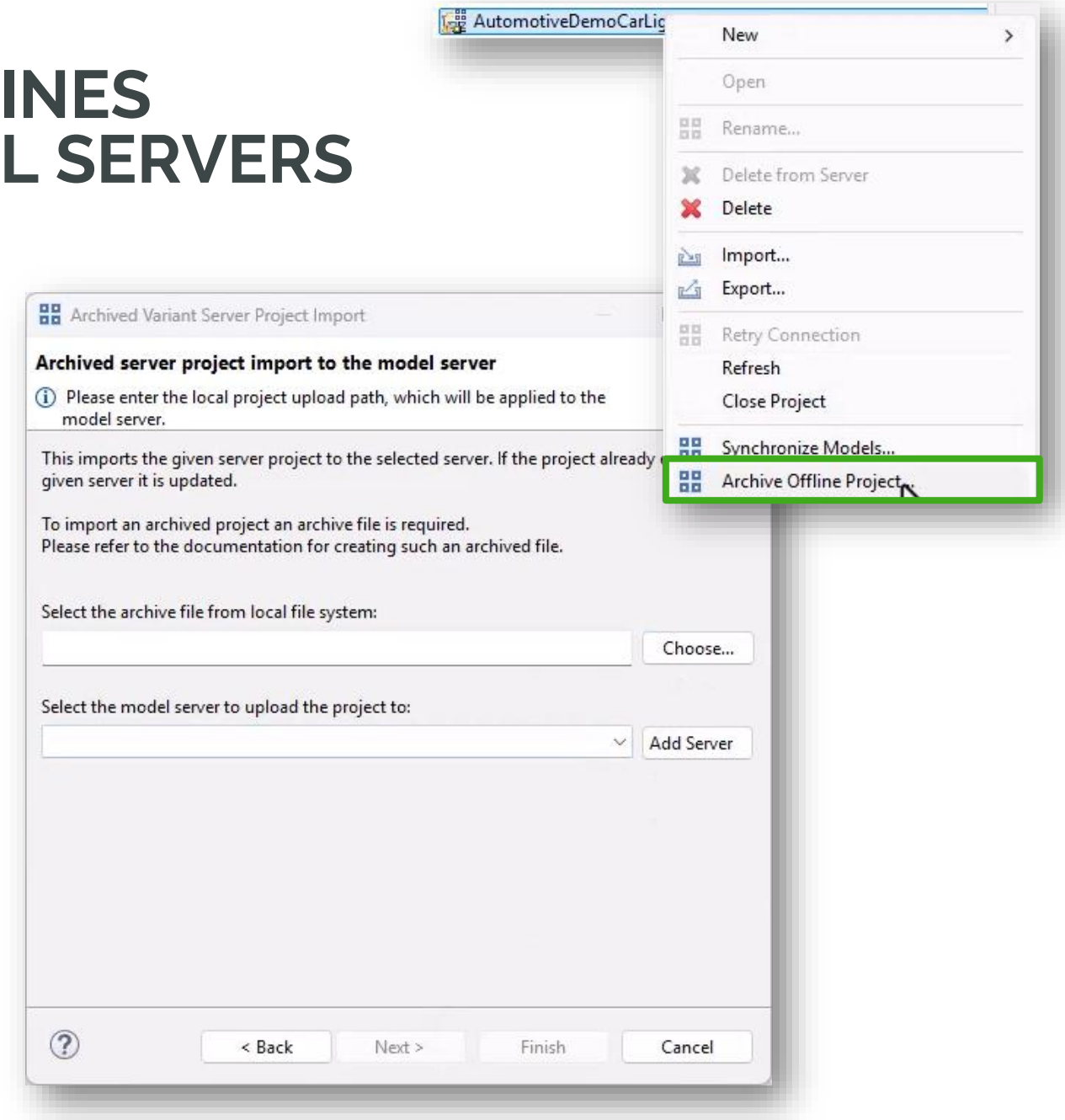
IMPROVED MODEL SERVER RESOURCE MANAGEMENT

- Improved the memory management on Model server side to ensure consistent performance and stability under heavy workloads. **(PV-8346)**

CUSTOMER PRIORITIES

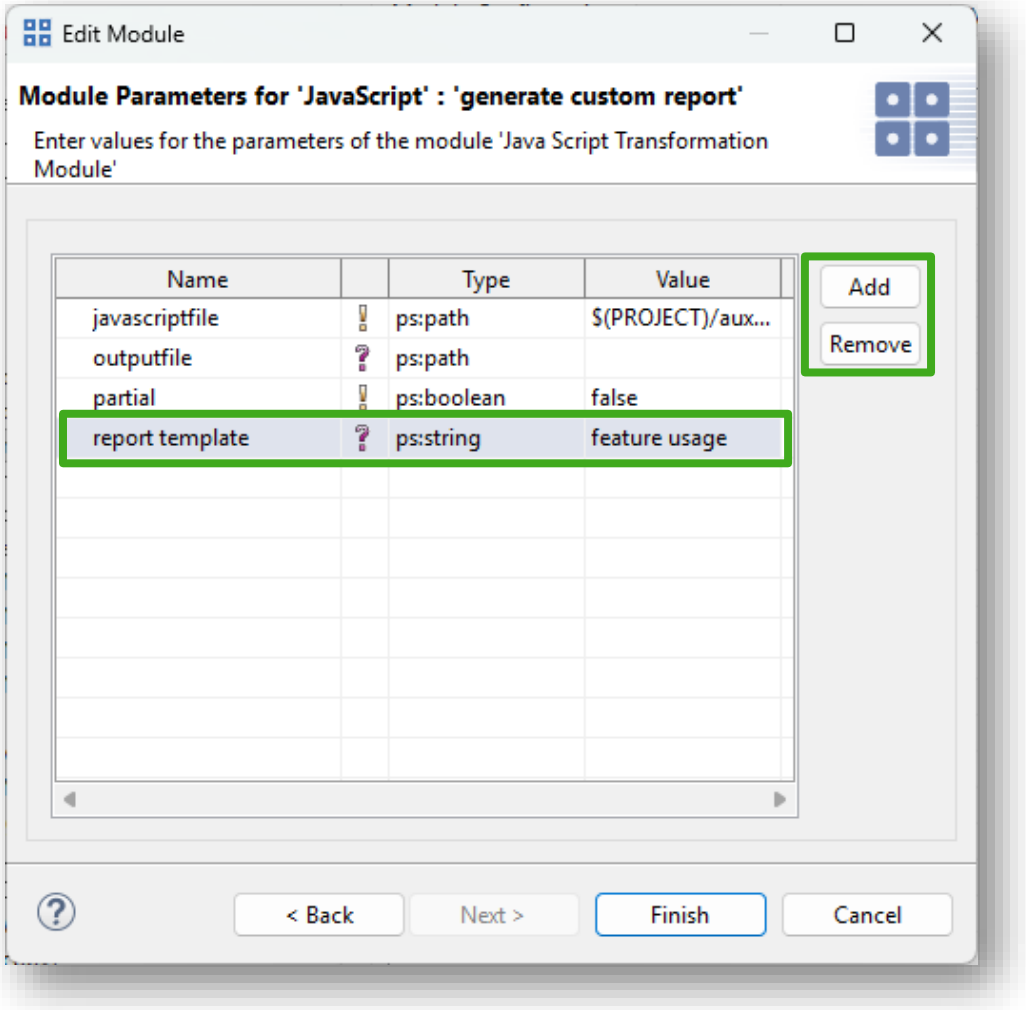
OFFLINE EXCHANGE OF BASELINES BETWEEN (AIR GAPPED) MODEL SERVERS

- Model Server projects can now be exported and imported on one or multiple different (air gapped) Model Servers via the Desktop Client. If the project already exists on another server, it can be imported as a new version into an existing branch. **(PV-8054)**
- This allows users to propagate changes in a project across Model Servers while preserving the history of the projects.
- Push to server can be automated via the new ANT task pv.export **(PV-4045)**.



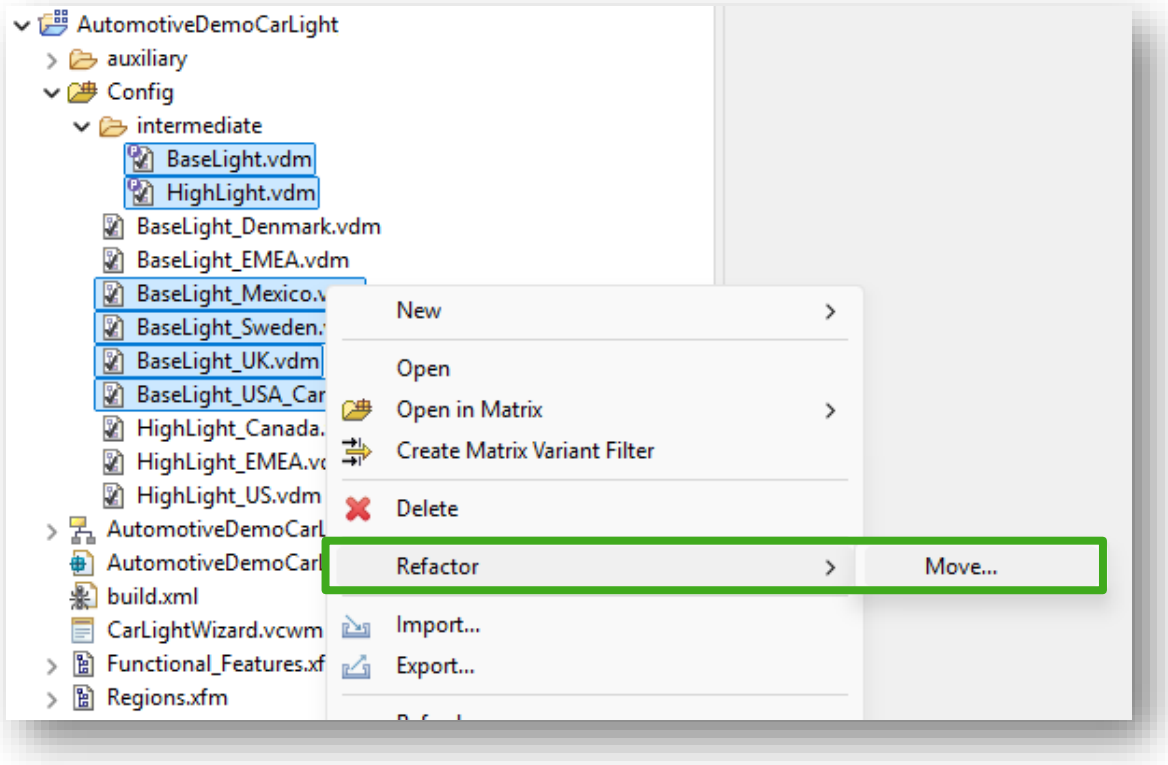
TRANSFORMATION PARAMETERS FOR JAVASCRIPT TRANSFORMATIONS

- Users of the Desktop Client can now define transformation parameters for their custom JavaScript transformations to make them usable across projects. **(PV-1136)**



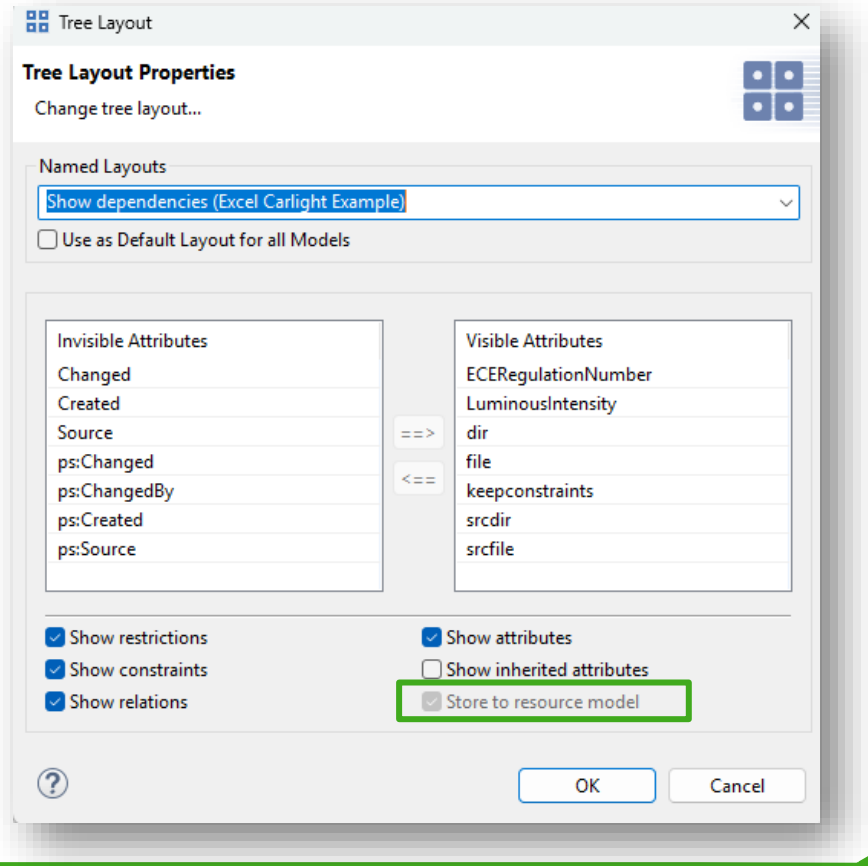
“MOVE MODEL” REFACTORING FOR MULTIPLE MODELS

- The “Move Model” refactoring operation of the Desktop Client can now be triggered on a selection of models for moving multiple Pure Variants models in one go.
  (PV-4268)



SHARE TREE LAYOUTS OF THE MATRIX EDITOR IN PURE VARIANTS PROJECTS

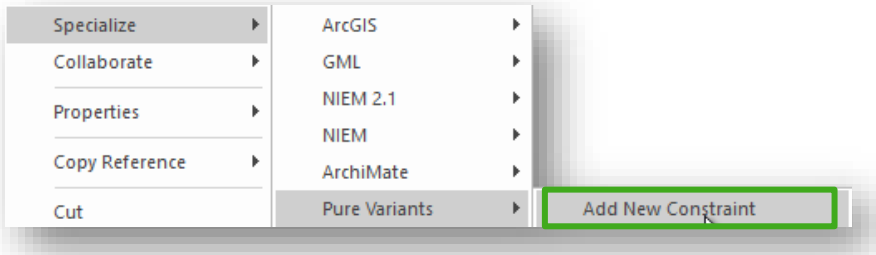
- Tree Layouts for the Matrix Editor that have been defined by users in the Desktop Client can now be shared with the team by saving them to the project. **(PV-3916)**

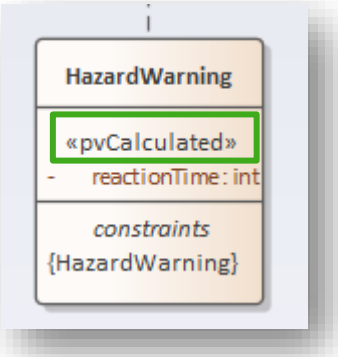


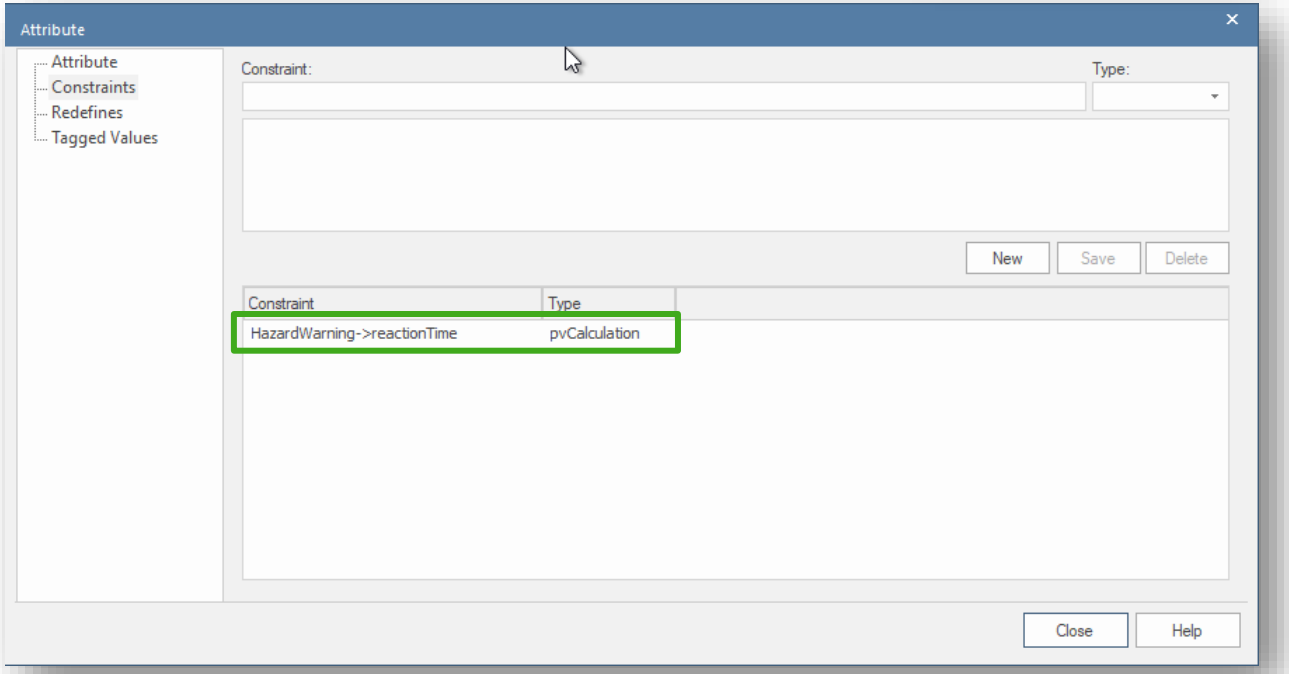
OPENNESS

PARAMETRIC VARIABILITY IN ENTERPRISE ARCHITECT

- Pure Variants Calculations can now be added to attributes in Enterprise Architect models to express parametric variability. **(PV-3360)**
- Calculations manifest as a stereotype „pvCalculated“ on an attribute for good visibility while the pvSCL expression for determining the value of the attribute is stored in a constraint for avoiding interference with validity checks.







FINE-GRAINED CONTROL OVER POLARION TRANSFORMATION OUTPUT LOCATIONS AND NAMES

- The Pure Variants Connector for Polarion now provides more fine-grained control over the names and locations of variant-specific live docs that are generated during transformations. **(PV-7715)**
- The 150% folder structure can be preserved during the generation of 100% live docs via transformation.
- Live docs that are generated during a transformation..
  - … can now have a different name than the 150% live doc they have been derived of.
  - … can now have a different relative location in the transformation output location than the 150% live doc they have been derived of.

TOOL VERSION UPDATES

The following new versions of PTC / 3rd party tools and infrastructure software have been verified to be compatible with Pure Variants 7.2*:

- Artop 4.18
- Codebeamer 3.2
- DOORS 9.7.2.10
- Eclipse 2025-09
- IBM ELM 7.1.0 – iFix003, iFix004
- Jama Connect 9.22.1
- Matlab/Simulink 2021a – 2023b
- PTC RV&S 13.4.0.0
- PTC RV&S 13.3.0.0
- Siemens Polarion 2506

*** For details on all supported versions in the current release, check the Connector Requirements document**

STANDARD COMPATIBILITY

The following new versions of standards have been verified to be compatible with Pure Variants 7.2:

- AUTOSAR 4.5

ADDITIONAL RESOURCES

- **Documentation**
  - Changelog
  - Upgrade Guide
  - Setup Guide
- **Download**
  - **Pure Variants Software Download Site**

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THANK YOU

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