

Visual Components 4.2.1 Release Notes – 24/02/2020

We've made improvements to the usability, stability, and performance of our products in this release. Here's an overview of the updates:

New Features

- There is now a new way for OEM developers to order ribbons via .NET API. The application config file can now only be used by VC developers to order ribbons.
- A new property has been introduced in `ITeachContext.HidePropertyEditorPane` to control the visibility of the property panel.
- eCat is now visible on process context by default.

Improvements and Optimization

- Quick access and context menus are now available in process context.
- It is now possible to assign NULL or empty variable with Assign Variable statement.
- In process modeling, ChangeType statement now changes component node materials to match what was defined in the target ProductType.
- Updates to the help file.

Overall Bug Fixes

Ticket	Title
27193	Exporting empty geometry no longer crashes application.
27441	In process modeling, reading product or component properties in delay statement works always now and not just only in first simulation run.
27447	Exception is no longer shown when GetProperty statement references a deleted component in process modeling.
27442	Issue with deleting robot statements in program editor has been fixed.
27445	The process bar getting stuck when exporting geometry in certain cases has been fixed.

27475	Expressions can now access components through a property of type List<Ref<Component>>.
27545	Issue with process model layout simulation failing when simulation speed is increased has been fixed.
27416	Topology data (i.e. curve, index, faces) are now persistent when component/layout imported via mathematical data import is saved and then reloaded.
27403	Fixed application crash issue when importing model via topology API.
27234	Assigning materials to shared geometry set now updates immediately in other instances (Note: this is a feature). If the user wants to change the material of the geometry set without updating the other instances, the user can collapse the feature first and then assign the material.
27407	StartTransportOut output to container no longer cause application crash.
27286	Matrix.GetQuaternion() now returns correct values on .NET API.
27247	Fixed missing materials issues on some imported CAD formats.
27443	Allow user to nullify/empty variable with Assign Variable statement.