

DIGITAL TRANSFORMS PHYSICAL

WINDCHILL MODELER 9.5 – WHAT'S NEW

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Product Manager Systems & Software Engineering

February 2022



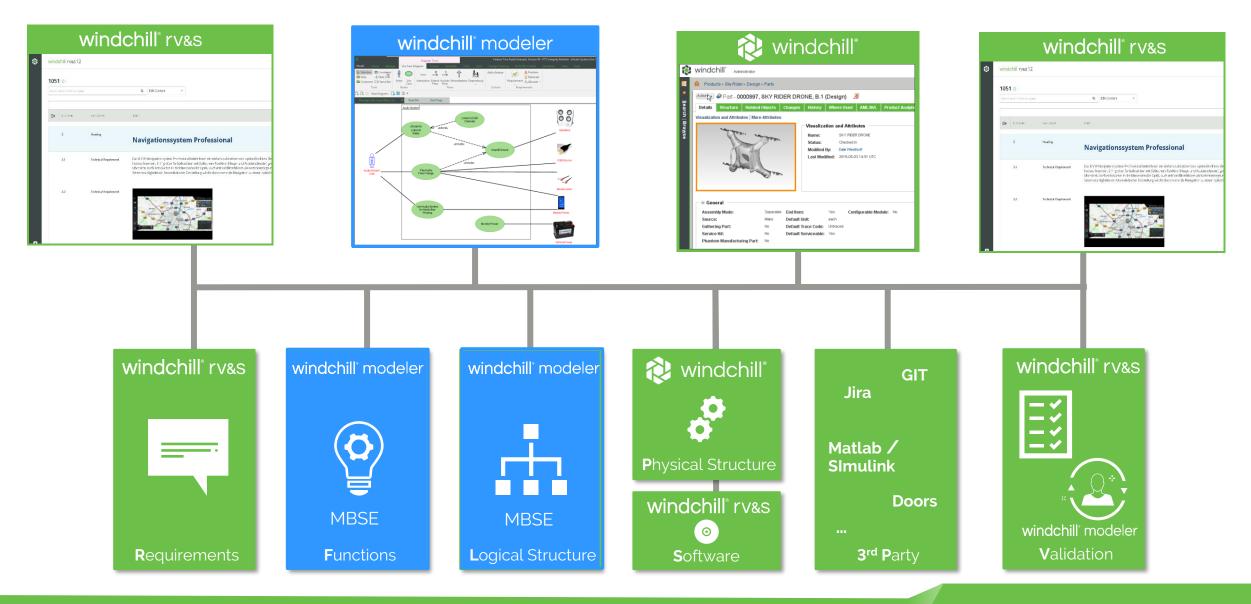
WINDCHILL MODELER – FOUR STRATEGIC OBJECTIVES

- Systems and Software Engineering 'System of Record'
 - Pervasive, scalable & multi-user
 - Enterprise deployment
- Stunning user experience
 Contemporary and performant
 Standards-based Modeling
- Integration
 - Digital thread, enabled with OSLC
 - Automated Code Synchronization (ACS)
 - Co-simulation with 3rd Parties
- with Continual Innovation
 - Product Line Engineering (Variability)
 - Modular System of Systems (SoS)
 - Model Driven IoT...



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ENGINEERING DIGITAL THREAD



windchill[®] modeler - PRODUCT ROADMAP

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windchill modeler	9.5 🖸							10 О							10.1						10.2 🔿
2022	Feb Mar	April	Мау	June	July	Aug	Sep	Oct	Nov	Dec	2023	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct
windchill r	windchill modeler Releases					Themes															
windchill modeler 9.4 – May 2021					Diagramming, Reviewer, Packages, OSLC & ASAL																
windchill modeler 9.5 – Feb 2022					Usability, OSLC, Performance																
windchill modeler 10 – Oct 2022						SysML 2.0, OSLC, RTF, Reviewer															
windchill modeler 10.1 – Apr 2023						SysML 2.0, OSLC, Software Engineering, Model Management															
windchill modeler 10.2 – Oct 2023						Usability, Model Management, Test Management, Advanced PLE															
windchill modeler 10.3 – Apr 2024					Usability, Web Interface, Windchill PDMLink Integration, Simulation																
windchill n	windchill modeler 10.4 – Oct 2024 OSLC, Windchill PDMLink Integration, REST, Creo Integration																				
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WINDCHILL MODELER 9.5

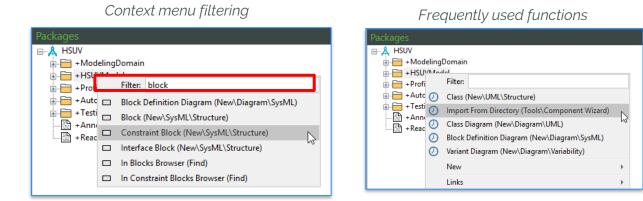
Usability, OSLC, Performance

Usability

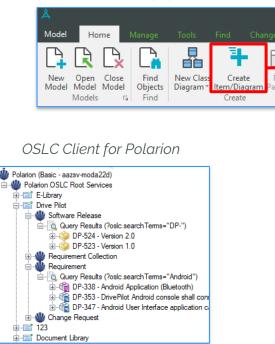
- Simplified & Productive Item Creation
- Context menu filtering
- Frequently used functions
- Auto-routing optimization

OSLC Client for Polarion

- Requirement traceability with Windchill Modeler
- OSLC Integration with DOORS Next
 - Nested global configurations
- Performance
 - Improved performance for reconcile and rebase
- User Help



Simplified item creation



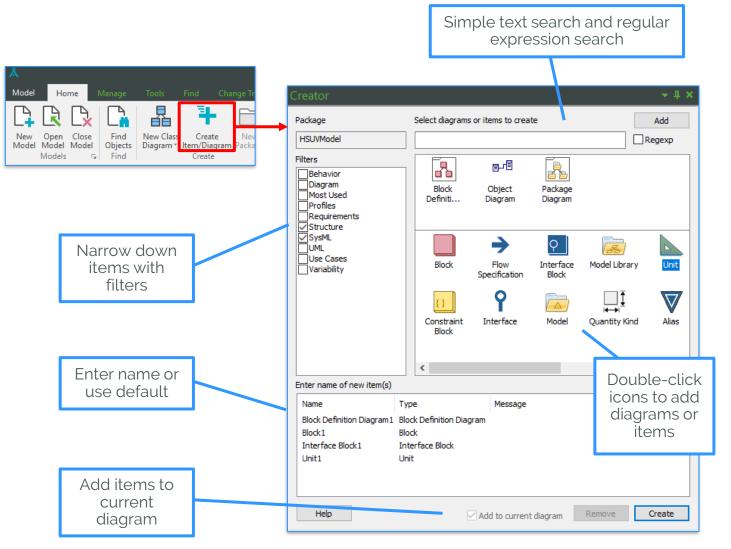
Package Select diagrams or items to create Add HSUVMode Regexp Filters R ∎-1 R Behavior Diagram Block Package Object Most Used Definiti.. Diagram Diagram Profiles Requirements Structure SysML UML Use Cases Unit Block Flow Interface Model Library Specification Block ∇ Constraint Interface Model **Ouantity Kind** Alias Block Enter name of new item(s) Nam Type Message Block Definition Diagram 1 Block Definition Diagram Block1 Block Interface Block 1 Interface Block Unit1 Add to current diagram Remove Create Help

Planned for Feb 2022

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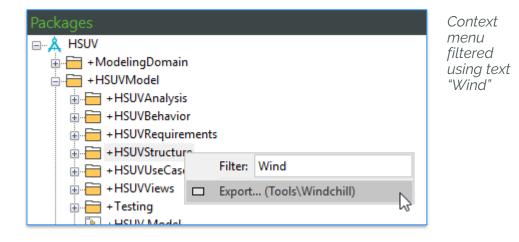
SIMPLIFIED & PRODUCTIVE ITEM CREATION

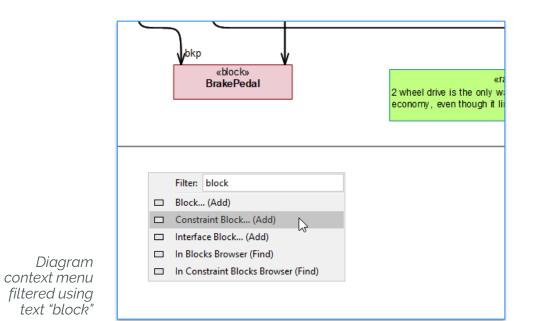
- Windchill Modeler 9.5 makes it easier for you to create model items and diagrams with the Creator tool
 - Create multiple items and diagrams of different types easily and quickly - in one operation
 - Add new items to the active diagram
 - Use filters and search to easily locate the type you want to create
 - Works with all types of model and profile
 - Modern user experience makes it easy to learn and use



CONTEXT MENU FILTERING

- It's now faster and easier to locate functions on right-click context menus
 - A simple text filter is provided which simplifies the menu to only the matching functions
 - For example, type in "Use" to view all use case related functions only
 - This feature helps to guide new users with a simple way to locate functions, making it easier to create models
 - Existing users have a rapid way to get to functions making them more productive



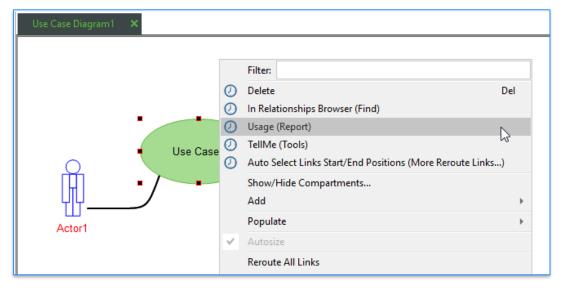


FREQUENTLY USED FUNCTIONS

- Functions that have been used frequently are now pinned to the top of the context menu
 - This ensures the functions you use most often are easily accessible
 - 5 most used functions within that context are listed
 - Displayed on all context menus (e.g. on diagrams)
 - Frequent functions are recorded per model

Frequently used functions in Packages browser

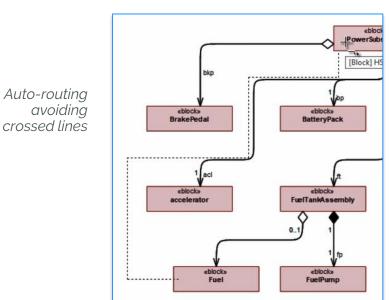
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	Ø	Attribute (New\UML\Structure)	
	Ø	Use Case (New\UML\Use Cases)	
	Ø	Class (New\UML\Structure)	
	Ø	In Relationships Browser (Find)	43
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Frequently used functions on Diagrams

AUTO-ROUTING OPTIMIZATION

- Link auto-routing has been optimized to improve routing results and provide the user with more control
 - Fewer lines crossing other lines or other symbols
 - More direct auto-routing
 - Use ALT to disable auto-routing
 - Automatically re-route links when a symbol is resized
 - Including when compartment settings change
 - Retain manual waypoints
 - Auto-routing Profile
 - Control priorities of routing algorithm
 - Disable auto-routing for specific diagrams, or diagram types



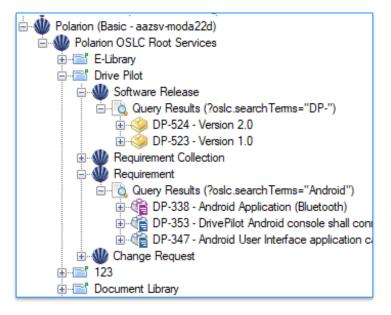
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Auto-routing Profile

POLARION OSLC CLIENT

- Windchill Modeler 9.5 provides design traceability with Siemens Polarion
 - Capture and manage digital product traceability from system models to requirements
- Standard OSLC client functions allow you to:
 - Search for remote requirements in Polarion
 - View preview pages
 - Use drag-and-drop to create OSLC Links and Surrogates, pointing to the relevant requirements
 - Navigate from Modeler to linked requirements in Polarion
 - Manage changes with OSLC link suspecting





Note: Requires Polarion 22 R1

OSLC INTEGRATION WITH DOORS NEXT

 OSLC client for DOORS Next can now work with nested global configurations

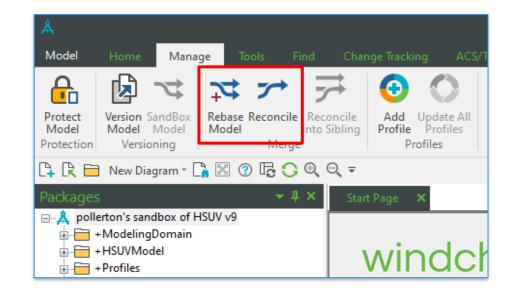


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PERFORMANCE

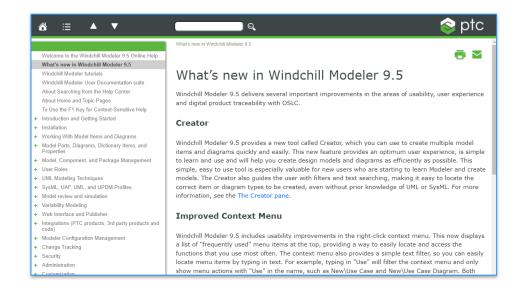
Improved performance for reconcile and rebase with large models

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USER HELP

- Role-based Welcome page helps to guide new users
- Updated Getting Started Guide



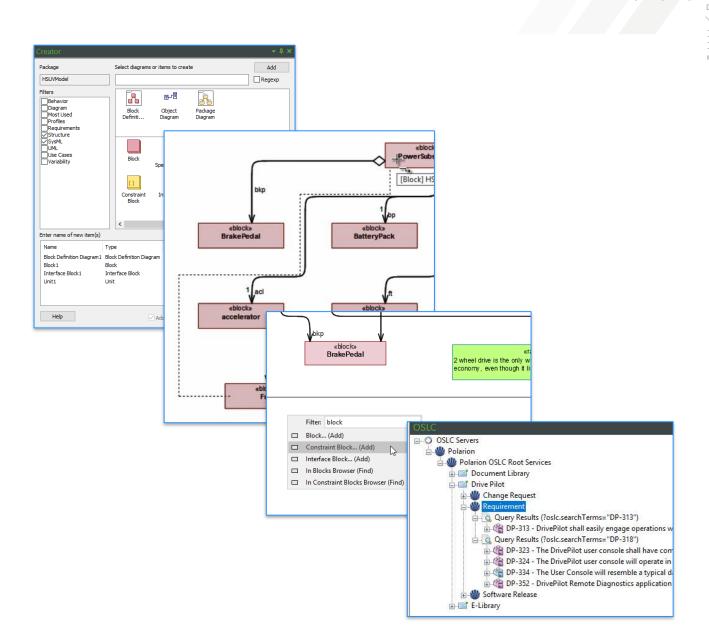
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++	Installation	Finding Information for Y	our Role	
+ +	Model Parts, Diagrams, Dictionary Items, and Properties	For Software Engineers	For Systems Engineers	For Administrators
+ + +	Model, Component, and Package Management User Roles UML Modeling Techniques			
• •	SysML, UAF, UML, and UPDM Profiles	Getting Started with Windchill Modeler	Getting Started with Windchill Modeler	Installation Guide
+ +	Web Interface and Publisher			
+ +	Integrations (PTC products, 3rd party products and code) Modeler Configuration Management			
+++	Change Tracking Security	UML Modeling	SysML Modeling	Access Permissions
+ +	Administration Customization			
+ +	Reference Topics Troubleshooting	≜ Ÿ		
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Welcome to the Windchill Modeler 9.5 Online Help		🖶 🔤
What's new in Windchill Modeler 9.5	Cotting started with Windshill M	adalar
Windchill Modeler tutorials	Getting started with Windchill M	odelei
Windchill Modeler User Documentation suite		
About Searching from the Help Center	Purpose of this guide	
About Home and Topic Pages	i alpese el tille galae	
To Use the F1 Key for Context-Sensitive Help	Welcome to Windchill Modeler 9.5, PTC's model-based system and so	ftware engineering solution. This
- Introduction and Getting Started	quide is aimed at new users and covers the fundamentals and main	
Introduction to Windchill Modeler	guide is aimed at new users and covers the fundamentals and main Modeler. After reading you will be able to navigate the user interface	
Getting started with Windchill Modeler	as well as manage product traceability with other design tools.	, create, snare and analyze models
Functional areas of Modeler	as well as manage product traceability with other design tools.	
Components of Modeler		
Starting Modeler	Starting Windchill Modeler	
+ Modeler panes and tabs		
+ Customizing Modeler	To start Windchill Modeler, locate the shortcuts on the Windows Start	t menu or on vour desktop and click
+ Working with the supplied example models		,
Installation	the Modeler icon: 🛕.	
Working With Model Items and Diagrams		
Model Parts, Diagrams, Dictionary Items, and Properties	Welcome page	
Model, Component, and Package Management		
User Roles	When Windchill Modeler is launched for the first time, a welcome page	ge will be displayed. This provides
UML Modeling Techniques	quick access to key functions such as open model, create model, as	
SysML, UAF, UML, and UPDM Profiles	PTC Support.	
Model review and simulation		
Variability Modeling	windchill [®] modeler	Welcome to Windchill Modeler
Web Interface and Publisher		What's new in this release

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SUMMARY

- Windchill Modeler 9.5 delivers important improvements to:
 - Usability
 - OSLC Client for Polarion
 - OSLC Integration with DOORS Next
 - Performance
 - Help





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THANKYOU

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