

What's New to UPDM 3 in 18.4



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UPDM 3 Plugin is a Technology Preview

UPDM 3 Plugin 18.4 adds all new features to enhance your enterprise architecture (EA) modeling experience in MagicDraw. Most notable is the addition of support for Unified Architecture Framework (UAF), which unites other EA frameworks by using a common grid pattern of views and viewpoints. This is just one of the new features which make us confident that UPDM version 18.4 will enhance your EA modeling experience, making you even more productive. Download it today at nomagic.com or contact your sales representative, and don't forget to give us your feedback on [Twitter](#) or [Facebook](#).

Construction/Visualization


- [Parts and Ports Management](#)
- [Unified Architecture Framework \(UAF\) Support](#)
- [New Resource Assignment Wizard](#)

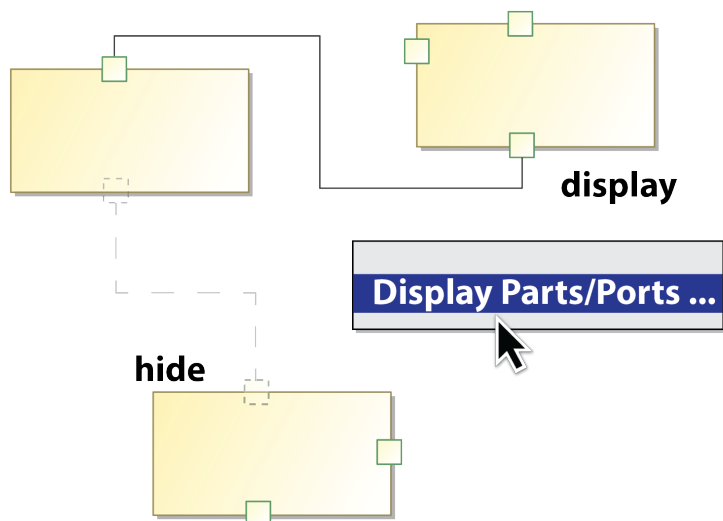
Analysis/Simulation

- [Updated Validation Rules](#)

[Parts and Ports Management](#)

Managing and creating Parts and **Ports** in all UPDM internal diagrams (e.g., [SV-2 Systems Internal Resource Flow Description](#)) has been simplified by combining the **Select Parts** and **Select Ports** dialogs into a new **Display Parts /Ports** dialog. This new dialog and **Display**

Related Elements button  allows you to display Parts/Ports and nested Parts/Ports, as well as hide Ports. New functionality has been added to allow bulk display of Parts and Ports based on metatype and custom stereotypes. These new features allow for a simpler workflow and increased speed and accuracy of internal structure creation.



[Learn more about Parts and Ports Management>>](#)
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Unified Architecture Framework (UAF) Support

The **Unified Architecture Framework (UAF) Support** is the next generation framework from the creators of UPDM 2.0. UAF unites DoDAF (Department of Defense Architecture Framework), MODAF (UK Ministry of Defense Architecture Framework), NAF (NATO Architecture Framework) and other frameworks by using a common grid pattern of views and viewpoints. UAF adds several new viewpoints to UPDM, extending its applicability to new modeling domains. UAF also reuses elements and concepts from SysML such as requirements and parametrics.

UAF can be used to design and model architectures for a broad range of complex systems. It provides, as applicable, modeling for security controls, threat, risk, and risk mitigation. UAF allows for defining consistent architectures for System-of-Systems (SoS) across the entire lifecycle from design to implementation. A variation of UAF is applicable to Enterprise Architecture, and is designed for enterprise and IT architecture modeling. It includes essential elements needed for defining capabilities, requirements, operational behaviors, resources (hardware, software, facility), data, and personnel. Generally, the UAF is designed for those who focus on industry and federal as well as military usage when trying to ensure effective communication, faster collaboration and interoperability between nations, industry, government and industry.

	Taxonomy	Structure	Connectivity	Processes	States	Interaction Scenarios	Information	Parameters	Constraints	Roadmap	Traceability		
Strategy	Strategic Taxonomy	Strategic Structure	Strategic Connectivity				Conceptual Data Model Logical Data Model Physical schema	Measurements		Strategic Deployment Strategic Phasing	Strategic Traceability		
Operations	Operational Taxonomy	Operational Structure	Operational Connectivity	Operational Processes	Operational States	Operational Interaction Scenarios					Operational Constraints		
Services	Service Taxonomy	Service Structure	Service Connectivity	Service Processes	Service States	Service Interaction Scenarios					Service Constraints	Service Roadmap	Service Traceability
Personnel	Personnel Taxonomy	Personnel Structure	Personnel Connectivity		Personnel States						Personnel Roadmap		
Resources	Resource Taxonomy	Resource Structure	Resource Connectivity	Resource Processes	Resource States	Resource Interaction Scenarios					Resource Constraints	Resource evolution Resource forecast	Resource Traceability
Security	Security Taxonomy	Security Structure		Security Processes							Security Constraints		
Projects	Project Taxonomy	Project Structure	Project Connectivity									Project Roadmap	Project Traceability
Standards	Standard Taxonomy	Standards Structure										Standards Roadmap	Standards Traceability
Actuals Resources		Actual Resources Structure	Actual Resources Connectivity										
Actuals Resources	Dictionary												
	Summary & Overview												
	Requirements												

Figure 1: Grid of a Unified Architecture Framework (UAF).

[Learn more about UAF 1.0 >>](#)

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New Resource Assignment Wizard

A new **Resource Assignment Wizard** opens automatically when selecting resource for the Version Of Configuration in UPDM3 plugin diagrams:

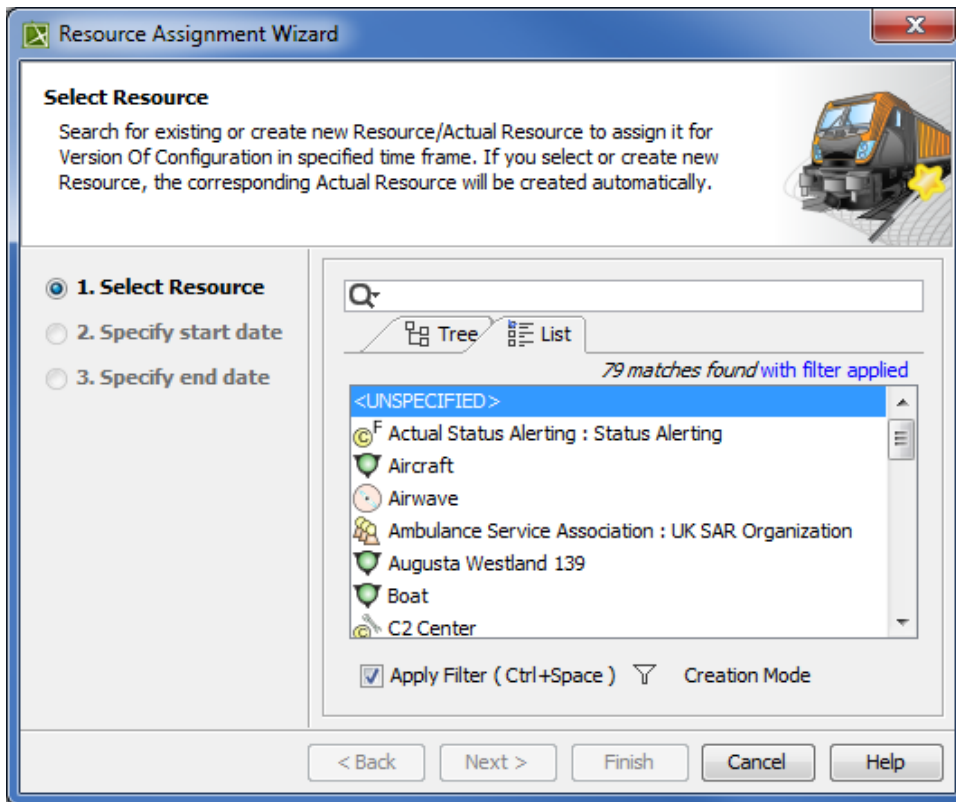


Figure 2: new Resource Assignment Wizard in SV-8 Systems Evolution description diagram (DoDAF).

- SV-8 Systems Evolution Description (DoDAF).
- SV-8 Capability Configuration Management (MODAF).
- NSV-8 System Evolution Description (NAF).
- Pr Configuration Management (NAF 4.0).

The new Resource Assignment Wizard reduces the number of steps when assigning resources for Version Of Configuration in a specified time frame.

[Learn more about the new Resource Assignment Wizard >>](#)

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More Improvements

Updates to our **Validation Rules** increase the chances of automatically catching errors at the beginning of the modeling process. By enforcing model correctness, this new feature saves time, and ensures the quality of the model.

[Learn more about Validation Rules >>](#)