

What's new in SIMATIC IT Unified Architecture Foundation 2.1

Synchronizing manufacturing operation and automation with data-stream processing

Benefits

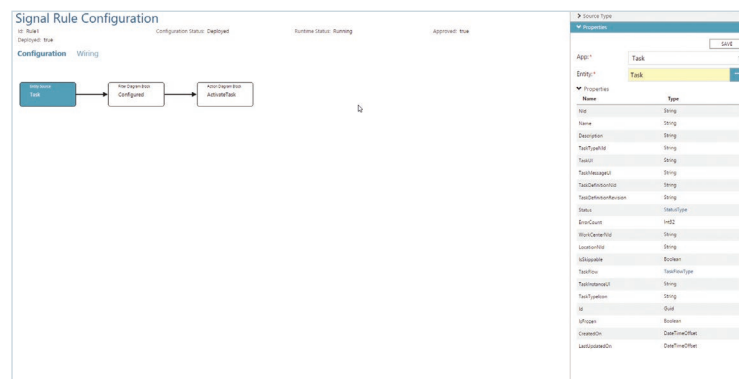
- Integrates with automation system
- Enables end user to configure event rules so they can combine automation and operational data
- Provides a better user experience with new interface themes and style sheets
- Delivers a more intuitive environment for configuring and deploying solutions

Summary

SIMATIC IT Unified Architecture Foundation (SIT UAF) is a framework to build and run state-of-the-art manufacturing operations management (MOM) applications. SIT UAF features a domain-driven design environment, including an HTML5 user interface framework and event-driven and service-oriented architecture (SOA) hosting applications.

Improvements in SIT UAF 2.1 include:

- Gateway application for integrating with the automation system
 - Based on the new Siemens runtime platform, the automation gateway is used to support multiple communication protocols. This version supports Open Platform Communications Unified Architecture (OPC UA) communication and seamless integration with Siemens' automation system based on the runtime platform
 - Object-oriented modeling of automation node types and instances bound to automation tags
 - Export/import of configuration in CSV file
 - Collaborative engineering with Siemens' automation system based on the runtime platform
- Signal rule enables end users to



Signal rule editor.

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configure event management rules

- Trigger rule from multiple sources (automation, apps and data management)

- Filter event by condition of event data

- Trigger action

- Export/import of rules between multiple environments

- Mashup editor enhancement

- Multiple screens mashup module

- Configurable user interface (UI) components (support of component properties)

- Central management of Siemens' web application collaboration (SWAC) component to simplify their update in the mashup editor

- User experience enhancements (new in 2.0)

- The user interface themes and style sheets have been updated and aligned with Siemens PLM Software product lifecycle management (PLM) software for a better user experience

- The SIMATIC IT UAF Solution Studio user experience has been improved to make solution configuration and deployment more intuitive and efficient



Project Studio multiple model diagrams.

- Project Studio enhancements (new in 2.0)

- Multiple model diagrams allow you to manage and share more than one representation of the data model

- New UI widgets (table, accordion, icon picker, date and time picker, side panel)

- Predefined event subscriptions

- Fast all-in-one publication of functional block objects and properties in public object model

- External data source management improvement (multiple selections when importing views)

- Integrated C# code live analyzer

- Task management enhancements (new in 2.0)

- Task sequencing specifying the sequence in which tasks are executed and the logic by which the successive sequences are managed

- Task repetition that allows the user to specify the repetition of tasks, establishing the maximum number of repetitions

- New UI component for mashing up operator task lists

- Licensing control (new in 2.0)

- Server license keys are available using Siemens PLM Software common licensing

- Software and licenses are available for download using standard Siemens PLM Software systems

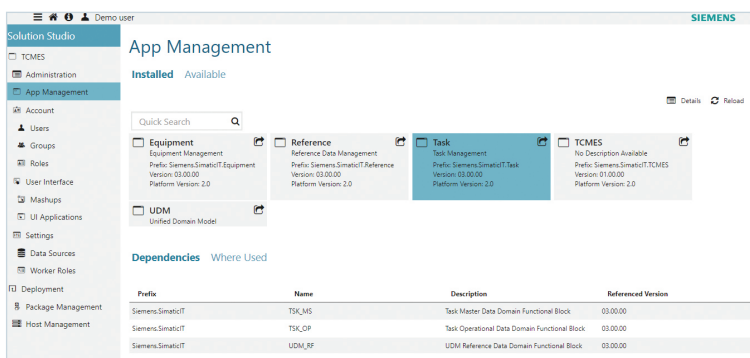
- Supports Windows operating system 2016 and SQL Server 2016 (new in 2.0)

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Solution Studio new user experience.

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