



DIGITAL INDUSTRIES SOFTWARE

What's new in Opcenter Research Development and Laboratory version 9.1

Extended document management, combine/declare/undeclare option for components and data migration toolkit for Electronic Lab Notebook (SIMATIC IT R&D Libraries ELN).

Benefits

- Reduce time-to-market
- Rapidly exchange product data with partners
- Reduce administrative tasks and errors
- Maintain product quality and compliance
- Reduce new product development and introduction costs
- Standardize intellectual property throughout the company

Summary

Opcenter™ Research Development and Laboratory (RD&L) software is the new platform that embeds all key functionalities from the SIMATIC IT® Suite Classic product portfolio: SIMATIC IT Unilab, SIMATIC IT Interspec and SIMATIC IT R&D Libraries, Electronic Lab Notebook – Formula Workbench (ELN/FWB). It represents a major technological evolution by providing users with lightweight client applications, which use web technology and HTML5. This release focuses on a long list of features enhancing laboratory, specification and formulation modules. Opcenter is a part of the Xcelerator™ portfolio, the comprehensive and integrated portfolio of software and services from Siemens Digital Industries Software.

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Capabilities

Improvements in Opcenter RD&L version 9.1 include:

- **General**
 - Extended document management functionality
 - Capability to configure the comment icon position in layouts
 - Further roll out of the manufacturing operations management (MOM) user experience (UX) policy, aligning RD&L with Opcenter
 - Data Migration toolkit for electronic notebook
- **Laboratory**
 - Spec sets and attributes displayed in the parameter layout and ability to edit when active
 - Equipment in method layout and method list layout

– Planned executor and actual executor in method layout and method list layout

- **Specification management**
 - Ability to declare/undeclare components from bill-of-materials (BOM) explosion view
 - Components can be combined
- **Integration and prerequisites**
 - Migration to the platform agnostic .NET Core, which reduces total cost of ownership (TCO) and improves deployments on the cloud
 - Improved security with improper file upload prevention with a whitelist of allowed file extensions

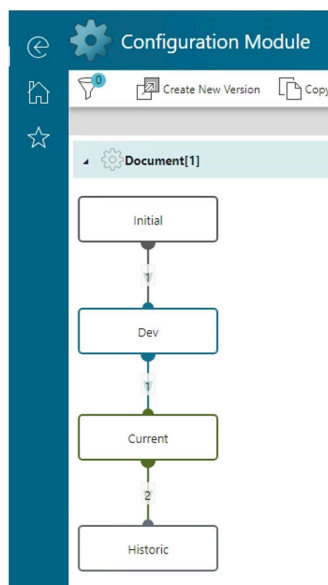
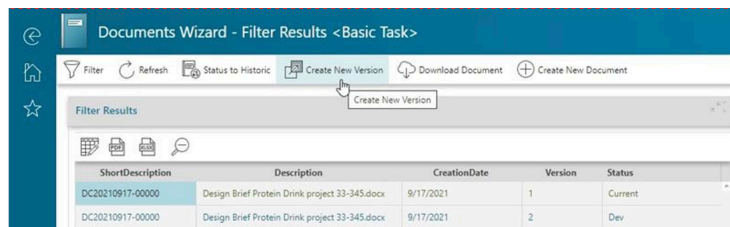
Learn more about the complete list of enhancements and features from the software release notes.

Extended document management

Document versioning

Opcenter RD&L enables users to upload and link documents to operational objects to present a single source of truth for all project related data, material specifications, sample identification, etc. Opcenter RD&L 9.1 centralizes relevant documents by introducing document versioning. It provides an out-of-the-box (OOTB) document lifecycle, which enables documents to transition between development, current and multiple historic versions.

Regardless of a document's status, it can always be downloaded. Downloading a document in development status enables it to perform changes offline and then replace the document afterwards.



Version specific or phantom assignment

With the document versioning capabilities in Opcenter RD&L 9.1, users can assign version specific documents or make a phantom assignment of a document. By opting for a phantom assignment, users are assured the latest version of a document is attached.

Every action taken on a document is logged in the audit trail since Opcenter RD&L 9.1 is a good manufacturing practice (GMP) compliant solution.

Migration toolkit for ELN

Several data migration toolkits were released for specification and laboratory management in previous releases of Opcenter RD&L. Opcenter RD&L 9.1 introduces a migration toolkit for the electronic notebook (ELN) functionality from the former SIMATIC IT R&D libraries. This latest migration toolkit follows the same approach as previous ones, which migrates configuration data with a comma-separated values (CSV) file and operational data with a database (DB) to DB transfer.

The objects below can be migrated to Opcenter RD&L:

Configuration Data

- Attributes and groupkeys
- Info fields
- Info profiles
- Life cycles
- Request types
- User profiles
- Users

Operational Data

- Requests
- Request info card
- Request info fields
- Documents

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