



DIGITAL INDUSTRIES SOFTWARE

# What's new in Opcenter EX MDD 8.7

Supporting greater collaboration and improving operational efficiency

## Benefits

- Delivers an enhanced RESTful API for improved collaboration, productivity, efficiency and quality
- Provides an enhanced in-line statistical process control module to enforce product quality
- Delivers data summarization to simplify and enrich shop floor data
- Supports collaboration using integration with Xcelerator Share
- Enables streamlined application access with single sign-on
- Provides greater application flexibility and configurability, delivering enhanced security and technology support

## Summary

Opcenter™ Execution Medical Device and Diagnostics (EX MDD) software serves as the foundation for leading global manufacturers and product innovators that want to enable rapid change, lean manufacturing, consistent quality output, rapid new product introduction (NPI) and higher profit margins. Integrated with enterprise resource planning (ERP), product lifecycle management (PLM), supply chain management (SCM), customer relationship management (CRM) and the shop floor, Opcenter Execution Medical Device and Diagnostics completes the technology infrastructure for manufacturing. Solutions are architected for global use, enabling worldwide visibility for real-time control and mission-critical operations.

Opcenter Execution Medical Device and Diagnostics 8.7, which is part of the Xcelerator™ portfolio, the comprehensive and integrated portfolio of software and services from Siemens Digital Industries Software, delivers powerful new enhancements to improve the application's capabilities and security. A new representational state transfer application programming interface (RESTful API) facilitates streamlined interfacing and integration with the application. The

in-line statistical process control (SPC) module has been enhanced to provide customers with greater control to proactively manage their product and process quality. Simplified data summarization makes it easier to aggregate and summarize shop floor data. The integration with Xcelerator Share supports collaboration on key engineering and design information directly from the shop floor. Single sign-on allows users to log in once and access their applications without requiring re-entering their credentials. Key security enhancements, such as masking and encryption, provide an even higher level of security for the application. Finally, our expanded set of supported technologies offer access to the most up-to-date set of technologies to choose from.

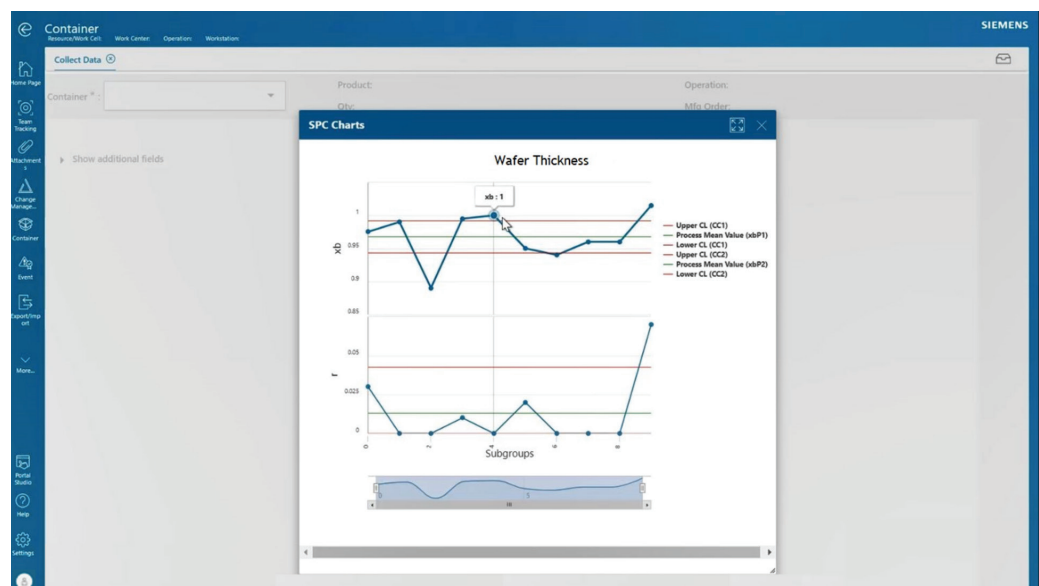
## Capabilities

### RESTful API

- Delivers enhanced modeling transaction endpoints
- Delivers enhanced container transaction endpoints
- Supports electronic procedures
- Provides enhanced sub-entity list handling

### In-line SPC enhancements

- Extended the configuration of In-line SPC to support option for saving a chart, including:
  - Where to save the charts
  - Whether to always save every chart, only save charts on a failure or never save a chart
- Provide a way for an operator to manually choose to save a chart image at runtime



### High performance engine

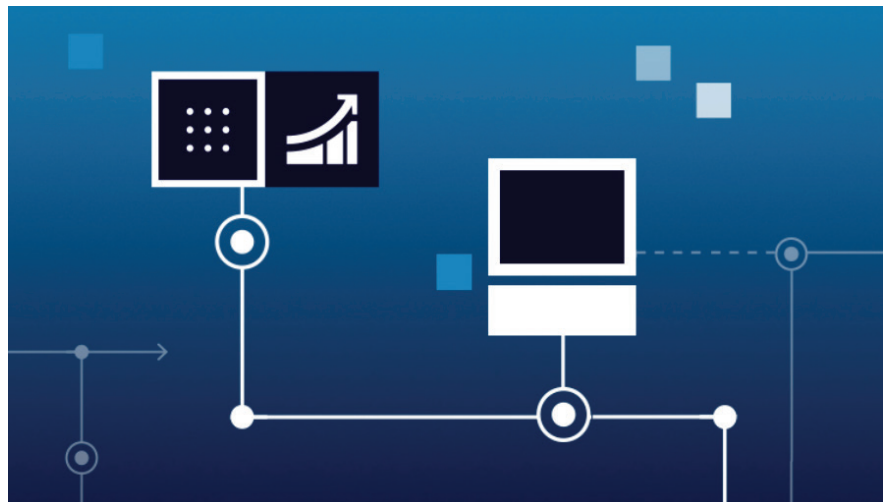
- Available for SQL Server as well as Oracle
- Framework for creating high-performance transactions
- High performance engine (HPE) transactions process large lists of items (for example, a list of containers) in a fraction of the time of a typical transaction
- Transaction processing is done using stored procedures on the database
- The two-level start transaction, built on the HPE framework, is available for SQL Server

### Summary tables

- Simplifies and enriches shop floor collected data
- Aggregates data before sending to data warehouse or data lake making extract, transform, load (ETL) easier
- Prevents the need for complex queries to be executed on-demand
- Provides real-time summarization of data and key performance indicators (KPIs) as transactions occur (movein, move, changeqty, rework, thruput)

### Xcelerator Share integration

- Xcelerator Share is a Siemens software as a service (SaaS) platform that helps you collaborate on design and engineering projects in the cloud
- This integration allows uploading files such as standard operating procedures (SOP) and nonconformance reports
- Project access can be limited based on assigned access control
- Supports single sign-on to Xcelerator Share



**Single sign-on**

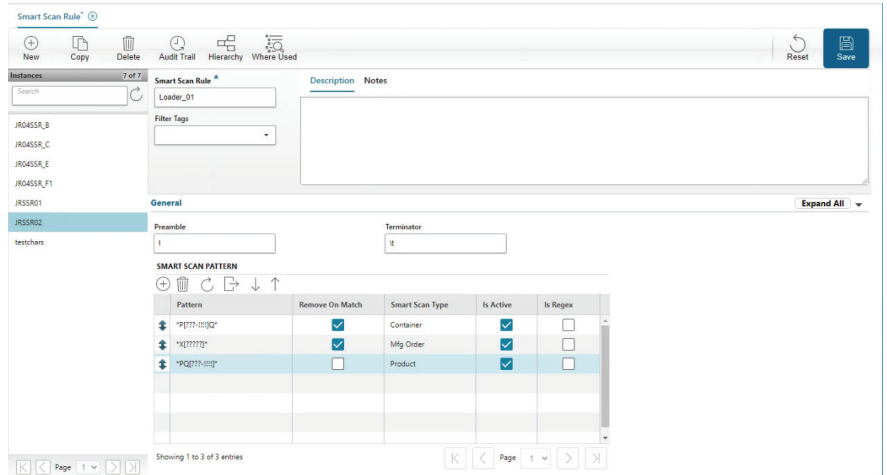
- Supports the ability to log into the Opcenter Execution portal with a single sign-on mechanism
- Leverages Siemens Security and Access Management (SAM) authentication and User Management Component (UMC) authentication
- Configuration managed in management studio

**Smart scan enhancements**

- Provides the ability to configure a pattern to perform an "action," such as clicking a button on the page or focusing on a particular field
- The control to be interacted with can be specified using the specific ID of the control, or simply using the caption of the control (for example, the text of the button)

**Scheduling integration enhancements**

- Scheduled downtime defined on resources and tools is now transferred to Opcenter Scheduling to be treated as planned maintenance when generating the schedule
- Surface mounting technology (SMT) job grouping data provided by Opcenter Scheduling SMT to Opcenter Scheduling is now transferred to Opcenter Execution and available in the manufacturing order scheduling data
- Security enhancements
- Includes X-Frame options header in HTTP response documents to limit click-jacking attacks
- Encrypts and decrypts the XML API/ Connection Library request and response documents



**Additional enhancements**

- Updates the specification level configuration to automatically execute a disassociate transaction to an HPE disassociate transaction
- Supports Oracle GoldenGate 19.1 and HVR 5.7 for homogeneous database replication (Oracle to Oracle, Microsoft SQL Server to Microsoft SQL Server)
- Supports online help in German and Chinese for the replace workspace data and the management studio tools

**Technology enhancements**

- Chrome 94+
- Edge Chromium 94+
- Siemens Web Framework (SWF) 4.4.0
- Angular 12
- Tiny MCE 5.8.2
- VMware vSphere 7.0

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