



DIGITAL INDUSTRIES SOFTWARE

What's new in Opcenter Execution Medical Device and Diagnostics 8.9

Delivering enhanced technology that improves productivity, efficiency and quality

Benefits

- Delivers an enhanced RESTful API for improved productivity, efficiency and quality
- Provides greater control and enforcement of a format for collecting data points
- Introduces improved flexibility for scheduling integration
- Delivers 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 8.9, 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. An

enhanced representational state transfer application programming interface (RESTful API) facilitates streamlined interfacing and integration with the application. Improved data collection capabilities support greater control and enforcement of data point formats. A new scheduling route and route step provides greater flexibility when integrating with a scheduling application. Key security enhancements, such as a stronger cipher algorithm, 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 solutions to choose from.

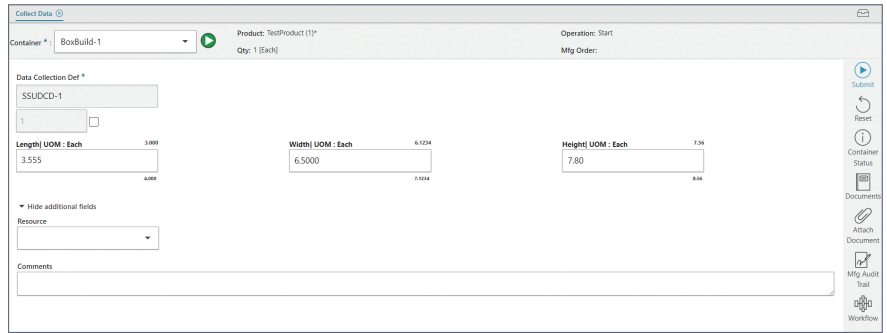
Capabilities

RESTful API

- Delivers expanded set of shop floor transaction endpoints with an oData interface, including export/import and training record management
- Improves transaction execution
- Reduces API startup time
- Provides enhanced error messages with more details
- Delivers enhanced documentation on how to call the REST API

Decimal scale enforcement

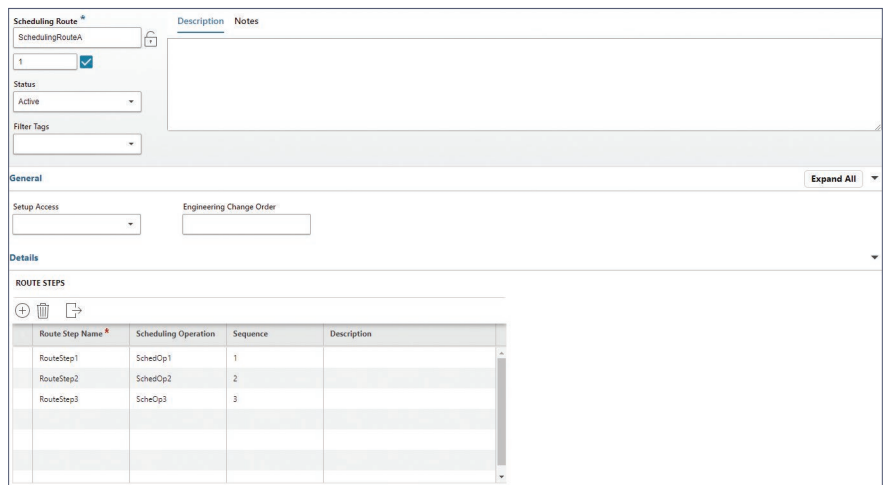
1. Provides the ability to define the exact scale (decimal places) for numeric data elements.
2. Allows storing the numeric value captured as part of transaction execution, including trailing zeroes.
3. Data collection also supports:
 - Optionally defining an exact number of decimal places to be captured for each data point.



- Matching minimum and maximum values for defined decimal places so the data collection modeling instance can be saved
- Generating an error if the captured shop floor data does not conform to the defined number of decimal places

Scheduling route and route step

- Introduces a new scheduling route entity for defining milestone steps and scheduling details with Opcenter APS/Opcenter Scheduling
- When integrating Opcenter APS/Opcenter Scheduling, the scheduling route and step take precedence over the ERP route and step
- Allows for configuring different scheduling routes versus ERP routes, providing greater flexibility



Security enhancements

Introduces a stronger cipher algorithm for encrypted fields:

- Includes a tool to convert previously encrypted data to a new algorithm
- Supports Federal Information Processing Standards (FIPS) compliance

Additional enhancements

- Optionally requires a reason to be specified when reprinting a container label
- Optionally records a defect if a captured data collection data point is outside the defined limits
- Allows split container page to be opened from operational view
- Enables configuration of the manufacturing audit trail with a new modeling page
- Standalone audit trail configuration tool will be removed in the next release

Technology enhancements

- Chrome 99+
- Edge Chromium 99+
- Angular 13
- VMWare 7.0 Update 3
- Microsoft Open Web Interface for .NET (OWIN) 4.2
- Microsoft IE 11 has been deprecated since it is now end of life

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