



**SIEMENS**

*Ingenuity for life*

# What's new in Opcenter Execution Medical Device and Diagnostics 8.3

## Expanding material management capabilities using electronic kanban management

### Benefits

- Expand material management capabilities using electronic kanban management
- Deliver enhanced user experience for key areas of the application
- Support more flexible auto-numbering capabilities
- Extend the ability to scan, parse and populate data from a barcode
- Deliver enhanced security and reduces application vulnerability
- Deliver expanded technology support

### Summary

Opcenter™ Execution Medical Device and Diagnostics software serves as the foundation for leading global manufacturers and product innovators who 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 8.3, which is part of Xcelerator, the comprehensive and integrated portfolio of software and services from Siemens Digital Industries Software, delivers powerful new enhancements and features to improve the application's capabilities and security. Electronic kanban allows manufacturers to efficiently manage their locations and ensure material is properly replenished. The enhancements provide a more efficient user experience for key parts of the application. The expanded auto-numbering capabilities give manufacturers greater control over their identifier management. Key security enhancements, such as reducing session and file access vulnerability, 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.

# What's new in Opcenter Execution Medical Device and Diagnostics 8.3

The screenshot shows the 'Data Point History' page in the Opcenter Execution interface. The page title is '07/24/2020 4:01:49 AM > Data Point History'. The main content area displays a table with the following data:

Data Point	Value	Comments	Data Type	Required
DP Integer	4		Integer	true
DP Float	3		Float	false
DP Fixed	10		Fixed	false
DP String	abc		String	false
DP Boolean	True		Boolean	false
DP Decimal	50		Decimal	false

The page also includes a 'Filters' sidebar on the left with sections for Type, Record Type, Views, Name (c1), Timeframe, Transactions, and Secondary Filters. The bottom of the page shows 'Showing 1 to 6 of 6 entries'.

## Capabilities

### UX and framework enhancements

- Redesigned manufacturing audit trail and resource audit trail pages
  - Drill in to see details
  - More room for rows of data
  - Removal of nested grids

### Electronic kanban

- Extends material queue – simple page to allow for a material request definition
- Can trigger automatic material request
- Provides a new page to acknowledge receipt of the material for the request
- Refactored existing material queue pages
  - Manage material queue - simple
  - Manage material queue - advanced
  - Manage inventory

### Smart scanning enhancements

- Provides the ability to define smart scanning rules that use any number of configurable parsing patterns with both custom parsing syntax and regular expressions
- Capable of extracting multiple data values from a single scanned value
- Can assign the smart scanning rules to a factory or resource
- Supports reading and parsing standard GS1 labels

The screenshot shows the 'Material Queues' page in the Opcenter Execution interface. The page title is 'Material Queues'. The main content area displays a form for defining a material queue with the following sections:

- Material Queue Info:** Material Queue (dropdown), Container (dropdown), Validation Info (My Order dropdown, Kitting Order checkbox), Inventory Info (Inventory Location dropdown, Send to ERP checkbox).
- Material Queue Details:** A table with columns: Container/Lot, Product, Qty, UOM, Expiration Date, Removal Strategy, Send To ERP, Manually Consumed.
- Material Queue Replenish Details:** A table with columns: Product, Threshold Qty, Threshold UOM, Replenish Qty, Manual Replenish.

The bottom of the page shows 'Showing 1 to 3 of 3 entries'.

Smart Scan Rule \* 7 of 7

Instances: JR04SSR\_B, JR04SSR\_C, JR04SSR\_E, JR04SSR\_F1, JRSSR01, JRSSR02

Smart Scan Rule \* Loader\_01

Filter Tags: [Dropdown]

Description: [Text Area]

Notes: [Text Area]

General

Preamble: testchars

Terminator: !t

SMART SCAN PATTERN

Pattern	Remove On Match	Smart Scan Type	Is Active	Is Regex
*P[??-!!!]Q*	<input checked="" type="checkbox"/>	Container	<input checked="" type="checkbox"/>	<input type="checkbox"/>
*X[????]*	<input checked="" type="checkbox"/>	Mfg Order	<input checked="" type="checkbox"/>	<input type="checkbox"/>
*PQ[??-!!!]*	<input type="checkbox"/>	Product	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Showing 1 to 3 of 3 entries

### Numbering rule enhancements

- Extends numbering rules to support alphanumeric/hexadecimal sequence numbers
- Supports all transactions that currently support auto numbering

### Security enhancements

- Addresses access vulnerability related to using a fixed session cookie
- Prevents uploading of files to the instance server without authenticated access
- Properly terminates a session on successful logout

### Additional enhancements

- Portal Studio 2.0
  - Delivers right-click menu on the group folder in the components catalog
  - Delivers right-click menu for virtual pages in components catalog
  - Adds where-used tab for web parts
  - Enables mobile barcode scanning by default (still requires license)

### Technology enhancements

- Angular 9.1.0
- jQuery 3.5.1
- jsTree 3.3.9
- jsPlumb 2.13.1
- TinyMCE 5.3.0
- MS SQL Server 2019 (retroactive support starting with 8.0)

Siemens Digital Industries Software  
siemens.com/software

Americas +1 314 264 8499  
Europe +44 (0) 1276 413200  
Asia-Pacific +852 2230 3333