What's new in Opcenter APS 18.6

Share important manufacturing documents at work order level across the MOM portfolio

Benefits

- Share important manufacturing documents at work order level across the MOM portfolio

- Generate schedules or repairs without reopening Opcenter APS and performing the routine

- Run import and export routines via an unattended console

- Build complex filters across different data tables

- Use refreshed reports

Summary

Opcenter™ APS software is a family of production planning and scheduling products that improve manufacturing process synchronization. This provides greater visibility and control, which enables you to increase resource use and on-time delivery, while reducing inventory levels and waste. Opcenter APS is a highly customizable capacity planning and scheduling package. 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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Features

- Xcelerator Share
- Unattended console
- Highlight and filtering capabilities
- Updated reports
- MOM portfolio integration

Xcelerator Share

Xcelerator Share is a cloud-based collaboration service for software subscriptions, which provides secure cloud storage for synchronizing data across the Xcelerator portfolio.

Xcelerator Share integration enables APS users to share important manufacturing documents at work order level across the manufacturing operations management (MOM) portfolio.

This includes:
- Customer communications
- Work instructions
- Defect images
- Production reports
- Computer-aided design (CAD) files

Xcelerator Share provides additional instant information to support a production scheduler.

Unattended consoles

Opcenter APS introduced unattended consoles for performing routines without directly interacting with the scheduler.

Sequencer console

The unattended scheduling console enables scheduling generation or repair without requiring the user to re-open Opcenter APS and perform the routine. In this release, the sequencer console is extended to support additional sequencer modes. This includes, running a routine without constraining the schedule by disabling secondary constraints, or ignoring material shortages. This is similar to the modes in the application itself.

```
ConsoleSequencer.exe -c "C:\Users\Admin\Documents\Opcenter APS Configurations\Opcenter
SC Ultimate\Opcenter SC Ultimate.prcdf" -dataset Schedule -d Forward -o Priority -sds
```
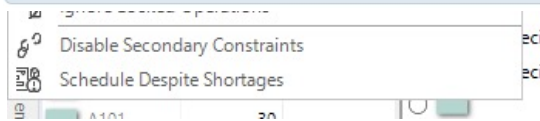

Multiple imports

Similar to the unattended scheduling console, users can run import and export routines via an unattended console. It is possible to streamline this process to pass multiple scripts in a single pass, improving process performance.

```
ConsoleImportExport.exe -c "C:\Users\Admin\Documents\Opcenter APS Configurations\Opcenter
SC Ultimate\Opcenter SC Ultimate.prcdf" -s "Import Resources" -s "Import Products" -s
"Import Resource Groups"
```

Highlight and filtering
Advanced filtering
Opcenter APS 18.6 enables users to build complex filters across different data tables. Complex composite filters can be created in linked data tables and applied to an advanced filter in the sequencer, which permits simple query and highlighting of operations based on linked data.
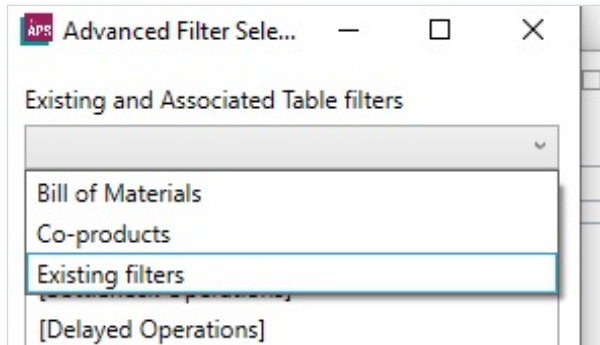

Inverted highlight
Building advanced filters enable operations to be highlighted based on those filter attributes. Once operations are highlighted, users can invert the highlight to show all operations that do not match these criteria.

Reports
Opcenter APS contains many standard reports in scheduling and planning products and this release contains refreshed reports.
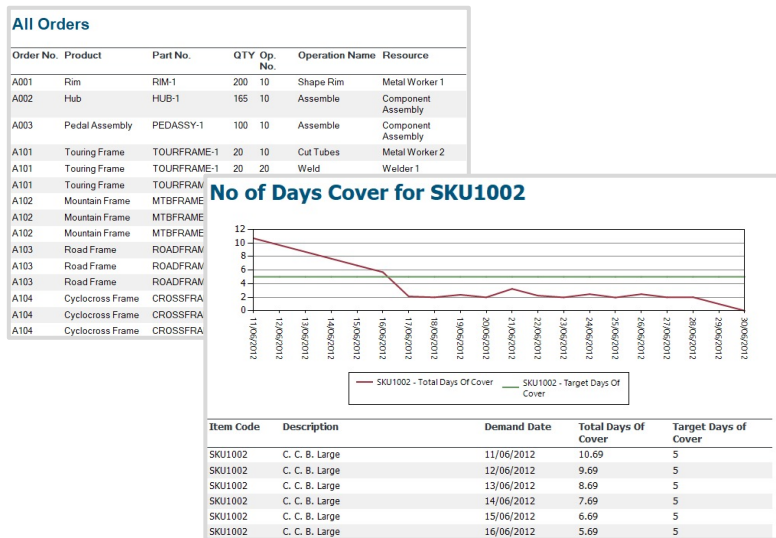
Portfolio integration updates
Material and supply data support with Opcenter Execution Process 4.3
Opcenter Scheduling now includes a native integration with Opcenter Execution Process, which synchronizes equipment and operations between the two applications. This leverages the scheduling logic in the scheduler. Once the schedule has been satisfied, operation times and assigned equipment are sent back to Opcenter Execution. In Opcenter APS 18.6 and Execution Process 4.3, users can model supply and material constraints to constrain the schedule.

Grouping information from Opcenter Scheduling SMT
Grouping surface-mount technology (SMT) operations is key for optimizing the SMT line. Grouping information is now passed from Opcenter Scheduling SMT to APS as part of the tight integration.