



SIEMENS DIGITAL INDUSTRIES SOFTWARE

What's new in Opcenter APS 18.5

Increasing flexibility when complex labor pool modeling is required

Benefits

- Increases flexibility when complex labor pool modeling is required
- Provides a new API method to trigger the extraction of data
- Provides ability to model labor shift plans in more detail
- Facilitates ability to receive shop floor information in Opcenter Planning
- Provides out-of-the-box experience with Opcenter APS Anywhere
- Delivers improved KPI support

Summary

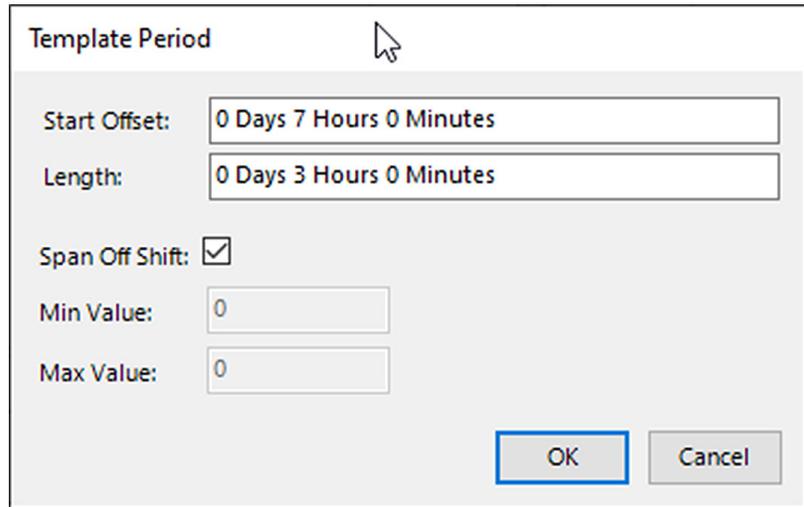
Opcenter™ APS software is a family of production planning and scheduling products that improve the synchronization of your manufacturing processes. This gives you greater visibility and control, which enables you to increase resource utilization and on-time delivery while reducing inventory levels and waste. Opcenter APS 18.5, which is part of the Xcelerator™ portfolio, the comprehensive and integrated portfolio of software and services from Siemens Digital Industries Software, is a highly customizable capacity planning and scheduling package.

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Features list

- Secondary constraint over off-shift periods
- Improved actual schedule data import in Opcenter Planning
- Opcenter APS can be used anywhere
- Extensibility enhancements
 - Schedule analysis output
 - Calendar application programming interface (API) updates
- Manufacturing operations management (MOM) portfolio integration
 - Integration with Opcenter Execution Process (4.1)

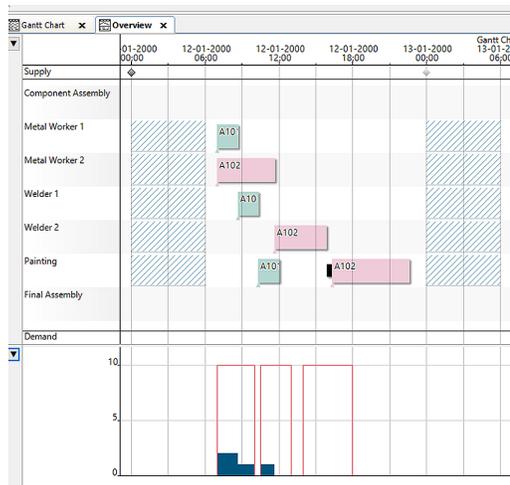


Secondary constraints over off-shift periods

Features description

This release supports the ability to define a period when a secondary constraint that be can be spanned by an operation consuming the constraint will not be available. This facilitates the ability to have more detailed constraint calendars; for example, when you wish to model operator/labor pools and model short breaks.

A new calendar period setting called “span off shift” has been introduced and can be assigned to a template or an exception. Previously, when modeling constraint periods, if you were assigning a small break with a quantity of zero, the operation would not span. The operation would have to fix within a period when there was full availability of the constraint for the duration of the operation.



Re-import Actual Schedule

- Lock Time Buckets Before Latest Date
- Lock Time Buckets for Matching Items and Dates Before Latest Date
- Lock Time Buckets for Exact Matches on Item and Date Only

Actual schedule data import in Opcenter Planning

Actual schedule data within Opcenter Planning is used when calculating master production schedule (MPS) data within the planner. Actual schedule contains data that is usually represented on the shop floor and uses Opcenter Scheduling. It is used to portray quantities produced for certain dates to reflect future planning of an item.

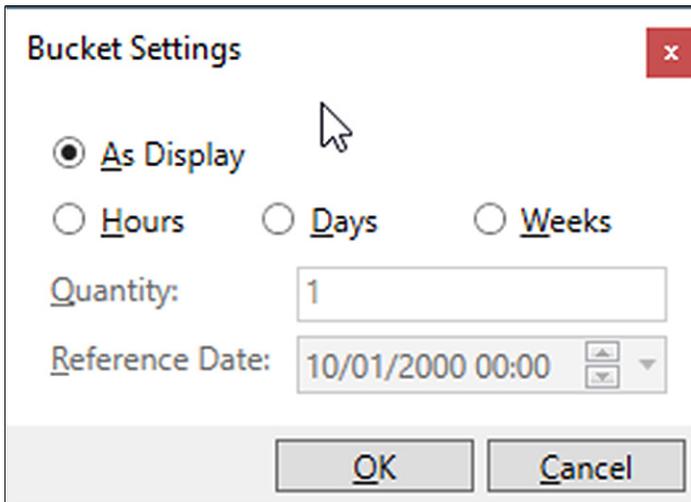
Actual schedule data is used in a variety of ways depending on the scenario, so the following options have been introduced to allow flexibility in calculating when Actual schedule data is present.

Opcenter APS Anywhere – Viewer

Opcenter APS Anywhere Viewer is now enabled by default across the Opcenter Scheduling product range. Opcenter APS Anywhere Viewer is a separate subscription-based software as a service (SaaS) application.



Opcenter APS Anywhere



Extensibility enhancements

Schedule analysis data

With the increase in demand for reporting on Opcenter Scheduling data outside of the application, the ability to extract the schedule analysis data has been expanded.

The event script processor (PESP) action has been extended to include the ability to pass the same parameters as you see in the settings dialog for the utilization grid.

A new API method to trigger the extraction of data has also been introduced.

Calendar state API updates

Existing calendar state APIs have been updated to include the template name. This allows greater flexibility when creating custom scheduling algorithms that interact with the calendar system.

Portfolio integration updates

Native integration with Opcenter Execution Process 4.1

Opcenter Scheduling now includes a native integration with Opcenter Execution Process, synchronizing equipment and operations between the two applications to leverage to the logic within the scheduler. Once the schedule has been satisfied, operation times and assigned equipment are sent back to Opcenter Execution.

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