What's new in Siemens Opcenter APS 18.1

Unattended scheduling tools

Benefits
- Maintain schedules without direct interaction
  - Data import and export
  - Material pegging
  - Running scheduling rules
- Out-of-the-box integration with Siemens manufacturing execution

Features
- Unattended scheduling rules to support data import and export, material pegging and scheduling
- Compatible with Siemens Opcenter EX DS 3.1

Summary
Siemens Opcenter APS software is a family of production planning and scheduling products that improve the synchronization of your manufacturing processes, giving you greater visibility and control that enables you to increase resource utilization and on-time delivery while reducing inventory levels and waste. Siemens Opcenter APS is a highly customizable capacity planning and scheduling package.

Unattended scheduling
Siemens Opcenter APS introduces three new tools for maintaining schedules without directly interacting with Siemens Opcenter Scheduling.

In the scenario of a machine breakdown that negatively impacts production, if the failure is updated in a manufacturing execution system (MES), the new data can be imported into Siemens Opcenter Scheduling using the import/export console, the material control can be run using the standard material control (SMC) console, and an updated schedule can then be generated using the sequencer console. Data or schedules can then be exported to an external database or as a file.

The consoles suppress dialog boxes that display when performing these interactions manually, thereby removing the requirement for a user to interact with the application. Any suppressed messages will be displayed in the command prompt, allowing the user to view any potential issues that may arise during use.

Features available in consoles are based on your current software license.

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The consoles work in the same way as the application, in that multiple instances can be run in memory edit mode. Running the console while the desktop application is open will cause a conflict, and any changes made in the console may not be saved properly. Users cannot import data via the console while the application is open.

Import/export console
The import/export console allows for data to be imported or exported by running a defined script within the configuration, without user interaction.

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

Standard material control console
The SMC console is used to perform any SMC rules that have been defined in the configuration.

ConsoleSMC.exe -c "C:\Users\Admin\ Documents\Opcenter APS Configurations\Opcenter SC Ultimate\ Opcenter SC Ultimate.prcdf" -dataset Schedule -r PeggingRule

Sequencer console
The sequencer console enables users to generate and modify schedules without opening the Siemens Opcenter Scheduling application. Any actions performed within the console are saved, and will then be displayed when the sequencer is opened. Users can generate a schedule using the scheduling directions and order, or by shipped and user-created APS rules.

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

ConsoleSequencer.exe -c "C:\Users\ Admin\Documents\Opcenter APS Configurations\Opcenter SC Ultimate\ Opcenter SC Ultimate.prcdf" -dataset Schedule -d ApsRules -s "APS Preferred Sequence"