



The image features a dark blue gradient background. In the upper right quadrant, there are several thin, white, parallel diagonal lines that appear to be part of a larger graphic element, possibly representing a stylized 'A' or a set of data lines. The text 'OPCENTER APS DATA SHEET' is positioned in the lower left area in a white, sans-serif font.

# OPCENTER APS DATA SHEET

	Opcenter APS Data Sheet		
	Release Date:		Document Number: OPAPS-DST-001

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## 1 Overview

### ❓ About Opcenter Advanced Planning and Scheduling (Opcenter APS)


- Opcenter APS is a collection of software offerings comprising Opcenter Planning (Opcenter PL) and Opcenter Scheduling (Opcenter SC).
- Opcenter SC is available in the following editions:
  - ✓ Express.
  - ✓ Standard.
  - ✓ Professional
  - ✓ Ultimate.
- Opcenter PL is available only in the Ultimate edition.

### ❓ Opcenter Scheduling (Opcenter SC)

- Opcenter SC allows for greater visibility, understanding and control of the manufacturing processes. This helps in better machine utilization, on-time delivery, impact analysis of 'what if' scenarios and identification of bottlenecks to give a few examples.
- Opcenter SC is also suited for non-manufacturing environments, given that the principles of resources constraints are applicable across many industry sectors.

### ❓ Opcenter Planning (Opcenter PL)


- Opcenter PL can be used by companies who are in a volatile, make to stock environment and require a more dependable method to plan capacity and stock. Opcenter PL offers a planning tool that has the convenience of spreadsheets, but with interactive graphs to give users full control over the results.
- Unlike spreadsheets and other applications that are used to produce long term Master Production Schedule (MPS) data, that in turn dictates purchasing decisions, Opcenter APS can:
  - ✓ Work with large amounts of data.
  - ✓ Support both constrained and unconstrained production.
  - ✓ Provide a tool to perform 'what if' calculations with alternative scenarios. This can deliver true cost reductions where it matters.
- Opcenter APS has the flexibility to input data both from existing systems, such as Bill of Material (BoM) and Orders, and from within the application. It can support all types of manufacturing processes, either with off-the-shelf capability or, with the Ultimate editions, rules specific to your processes can be added..

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## 2 System Requirements

Below are the minimum system requirements:.

<b>Operating System</b>	Windows® 7 SP1 <sup>1</sup> Windows® 8.1 <sup>1</sup> Windows® 10 <sup>1,2</sup> Windows Server® 2012 Windows Server® 2012 R2 Windows Server® 2016 Windows Server® 2019
<b>Supported Platforms</b>	x86 <sup>3</sup> , x64
<b>Microsoft® .NET Framework Version</b>	4.8 <sup>4</sup>
<b>Microsoft® SQL Server</b>	2008 R2 or later (any edition including Express) <sup>5</sup> SQL Server 2008 R2 is deprecated from this release. Its support will be removed from Opcenter APS 2210 release. The versions to be supported will be SQL Server 2017 or later.
<b>Microsoft® Visual C++ Runtime</b>	Visual C++ Runtime 2017 <sup>6</sup> Visual C++ Runtime 2013 (x86) <sup>6</sup>
<b>Processor</b>	2 GHz or better
<b>Memory</b>	1 GB RAM (2 GB recommended)

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<b>Disk Space</b>	<p>A minimum of 1 GB free disk space is required for installation.</p> <p>A minimum of 2 GB free disk space is required for .NET Framework version 4 installation on a 64-bit platform.</p>
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- Opcenter APS can be installed on any edition of Windows, but an SQL Server Reporting Services (SSRS) server may only be installed on editions where Internet Information Services (IIS) is supported.
- Windows® 10 version 1607 or later. On editions that do not support IIS, only local reporting is possible.
- x86 (32-bit).
- Microsoft® .NET Framework Version 4.8 will be installed by the Opcenter APS installation program if it is not already installed.
- Microsoft® SQL Server will need to be downloaded and installed. It is not provided with the Opcenter APS installation.
- Microsoft® Visual C++ Runtime will be installed by the Opcenter APS installation program if it is not already installed.

Microsoft® Visual C++ Runtime 2013 (x86) is required only for the installation of the Network License Manager and not for the installation of Opcenter APS. Visual C++ Runtime 2013 (x86) will be installed by the Network License Manager if it is not already installed.

### 3 Key Features

- ☒ Master Production Schedule creation.
- ☒ Bill of Materials (BOM) level planning.
- ☒ Interactive schedule visualization.
- ☒ Make-to-order planning.
- ☒ Make-to-stock planning.
- ☒ Advanced constraint modeling.
- ☒ Advanced material handling.
- ☒ Advance schedule optimization.
- ☒ Assembly process visualization.
- ☒ Interactive schedule viewing.
- ☒ Order-based multi-constraint scheduling.

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## 4 Benefits

- ☒ Advanced Planning and Scheduling improves the synchronization of manufacturing processes and provides greater visibility to increase utilization and on-time delivery while reducing inventory levels and waste.
- ☒ Its advanced math enables manufacturers to quickly analyze and calculate achievable production schedules while considering multiple constraints and business rules. Planners can generate and evaluate what-if scenarios to achieve the best results.
- ☒ Full visibility and control.
- ☒ Increased utilization and leaner operations.
- ☒ Faster response to change.
- ☒ Better customer service.
- ☒ Higher margins.
- ☒ Order-based multi-constraint scheduling.

## 5 Technology Stack

The following technology stacks are utilized:

- . Microsoft® .Net Framework Version 4.8 will be installed by the Opcenter APS installation program if it is not already installed.
- Microsoft® SQL Server will need to be downloaded and installed. It is not provided with the Opcenter APS installation.
- Microsoft® Visual C++ Runtime will be installed by the Opcenter APS installation program if it is not already installed.