

Suite	Manufacturing & Supply Chain Suite						
V12.1 Platform Specifications that are supported	Supply Chain Management (SCM)						
	Demand Management 64-bit	Collaborative Forecasting 64-bit	Plant Scheduler 64-bit	Aspen Schedule Explorer (ASE) 64-bit	Supply Planner 64-bit	Aspen Supply Chain Analytics 64-bit	Aspen Supply Chain Connect (ASCC) 64-bit
Operating Systems (64-bit only)							
Windows 10 Anniversary Enterprise & Professional (64-bit)	✓		✓	✓	✓		
Windows 8.1 Update 1 Enterprise & Professional (64-bit)	✓		✓	✓	✓		
Windows Server 2019	✓	✓	✓	✓	✓	✓	✓
Windows Server 2016	✓	✓	✓	✓	✓	✓	✓
Windows Server 2012 R2	✓	✓	✓	✓	✓	✓	✓
Ubuntu Server Edition 20.04 LTS							
Ubuntu Server Edition 18.04 LTS							
Ubuntu Server Edition 16.04 LTS							
Microsoft Office							
Office 365 (Desktop/Click-to-run) (32-bit/64-bit)	✓	✓	✓	✓	✓		✓
Office 2019 (64-bit)	✓	✓	✓	✓	✓		
Office 2019 (32-bit)	✓	✓	✓		✓		
Office 2016 (64-bit)	✓	✓	✓	✓	✓		✓
Office 2016 (32-bit)	✓	✓	✓		✓		
Office 2013 (32-bit)	✓	✓	✓		✓		
Database Servers							
Microsoft SQL Server 2019 (Enterprise/Standard Edition)	✓	✓	✓	✓	✓	✓	✓
Microsoft SQL Server 2019 (Express Edition)							
Microsoft SQL Server 2017 (Enterprise/Standard Edition)	✓	✓	✓	✓	✓	✓	✓
Microsoft SQL Server 2017 (Express Edition)							
Microsoft SQL Server 2016 (Enterprise/Standard Edition)	✓	✓	✓	✓	✓	✓	✓
Microsoft SQL Server 2016 (Express Edition)							
Microsoft SQL Server 2014 (Enterprise/Standard Edition)	✓	✓	✓	✓	✓	✓	✓
Microsoft SQL Server 2014 (Express Edition)							
Microsoft SQL Server 2012 (Enterprise/Standard Edition)	✓	✓	✓	✓	✓	✓	

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	Microsoft SQL Server 2012 (Express Edition)							
	SQL Server 2014 Local DB							
	SQL Server 2016 Local DB							
	SQL Server 2012 -2019 Analysis Services							
	ProgresSQL 13.2							
	Oracle Database 19.x.x 64-bit	✓	✓	✓	✓	✓	✓	✓
	Oracle Database 18.x.x 64-bit							
Oracle Database 12.2 64-bit								
Database Clients								
Oracle Client 19.x 32-bit								
Oracle Client 19.x 64-bit		✓		✓		✓ ¹⁵	✓	
Oracle Client 18.x 32-bit								
Oracle Client 12.2 64-bit								
Oracle Client 12.2 32-bit								
Runtimes								
.NET Framework 4.8	✓		✓	✓	✓	✓	✓	
.NET Framework 3.5								
.NET Core 3.1.x								
ASP.NET Core 3.1.x								
64-bit Oracle Java 11 JRE LTS		✓						
64-bit Oracle Java 11 JDK LTS								
64-bit Oracle Java 8 JRE LTS								
64-bit Oracle Java 8 JDK LTS								
32-bit AdoptOpenJDK Java 11 LTS								
64-bit AdoptOpenJDK Java 11 LTS		✓						
64-bit AdoptOpenJDK Java 8 LTS								

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MSXML 6							
Visual Studio 2019						✓	
Visual Studio 2017	✓		✓	✓	✓	✓	✓
Visual Studio 2015							
Visual Studio 2013							
Visual Studio 2010 Tools for Office Runtime							
Microsoft Visual C++ Redistributable 2019							
Microsoft Visual C++ Redistributable 2017	✓		✓		✓		
Microsoft Visual C++ Redistributable 2015	✓		✓		✓		
Microsoft Visual C++ Redistributable 2013							
Virtualization							
Microsoft App-V 5.1							
Microsoft Hyper-V (Server)	✓	✓	✓	✓	✓	✓	✓
VMware ESXi Hypervisor Server 6.x (Server)	✓		✓		✓	✓	✓
VMWare vSphere Enterprise Plus							
Microsoft Terminal Services (Desktop)	✓		✓		✓		
Citrix XenApp 7.18 (Desktop)	✓		✓		✓		
Web Browsers							
Internet Explorer 11				✓		✓	✓
Microsoft Edge 25		✓		✓		✓	✓
Google Chrome Evergreen Version 75+		✓		✓		✓	✓
Firefox							
Chrome on iOS 12+ for iPad Support							
Safari on iOS 13+ for iPad Support+A86		✓					
Security Components/Services							
Aspen Framework (AFW) 5							
Java App (Servers)							
Apache Tomcat 9.0+		✓					

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Native Web Servers							
IIS 10	✓		✓	✓	✓	✓	✓
IIS 8.5	✓		✓	✓	✓	✓	✓
Reporting Services							
Microsoft Report Viewer 2015							
Microsoft SQL Server 2012/2014/2016/2017/2019 Reporting Services						✓	
Load Balancing							
F5 Load Balancing							
Integration Components							
Aspen Supply Chain Connect	✓		✓	✓	✓	✓	
Informatica Powercenter 10.4							✓
Cloud Support *							
Azure VM - Microsoft	✓ ¹³	✓ ¹³	✓ ¹³	✓ ¹³	✓ ¹³		
Amazon VM (AWS)							
Azure VM - Linux							
Nutanix XiFrame							
Virtual Apps Essentials	✓		✓		✓		
Windows Virtual Desktop (WVD Fall 2019 Release) ²⁷							
Deployment Tools							
SCCM							
Supported Versions of Fortran							
FORTRAN 2019							
Container Support							
Docker Engine-Enterprise 19.03.x							
Docker Compose 1.26.x							
Desktop Types - Minimum Recommended							

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Type I: Computer & processor: Intel Core-i5 family or faster Memory (RAM): 16 gigabytes (GB) RAM Hard Disk: 120 gigabytes (GB) available Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a 1440 x 900 or higher resolution monitor Network: 100MB/Sec							
Type II: Computer & processor: Intel Core-i5 family or faster Memory (RAM): 16 gigabytes (GB) RAM Hard Disk: 250 gigabytes (GB) available Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a 1440 x 900 or higher resolution monitor Network: 100MB/Sec	✓		✓		✓		
Server Types - Minimum Recommended							
Type I: Computer & processor: Intel Core-i7 family or faster for standalone deployment Intel Xeon Gold series, 4 cores or more for multi-user environment Memory (RAM): 16 or above gigabytes (GB) RAM for standalone deployment, 32 or above gigabytes (GB) RAM for multi-user environment Hard Disk: 150 gigabytes (GB) available for standalone deployment, 300 gigabytes (GB) for multi-user environment Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a 1440 x 900 or higher resolution monitor Network: 100MB/Sec						✓	
Type II: Computer & processor: Intel Xeon Gold series type system (4 cores) or faster Memory (RAM): 16 or above gigabytes (GB) RAM Hard Disk: 300 gigabytes (GB) or more available Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a 1440 x 900 or higher resolution monitor Network: 100MB/Sec (Gigabyte network recommended)		✓		✓			✓
Type III: Computer & processor: Intel Cascade Lake-based Xeon processor with 8 cores or more per processor Memory (RAM): 32 or above gigabytes (GB) RAM Hard Disk: 500 gigabytes (GB) or more available Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a 1440 x 900 or higher resolution monitor Network: 100MB/Sec (Gigabyte network recommended)							
Type IV: (IIoT Gateways) Computer & processor: ARM or Intel based CPU or more Memory (RAM): 256Mb or more Hard Disk: 128Mb or more							
Type V Windows Server 2019 v1809+ Memory (RAM in GB): Minimum: 16 Recommended: 32 Cores: Minimum: 4, Recommended: 8 Disk space (GB): Minimum: 64, Recommended: 100 Network (MB/s): Minimum: 50, Recommended: 100							
Notes							

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<p>* In general, AspenTech aspenONE® software license agreements with customers permit use of the licensed software on Supported Computers at customer Sites. "Supported Computers" include computers with a manufacture, model and operating system for which AspenTech offers a supported version of the software, and that are controlled by the customer. "Sites" are customer facilities or locations specified in the license agreement.</p> <p>AspenTech permits customer use of licensed aspenONE software in the cloud where: (i) the Platform Support specifications published by AspenTech for the relevant version of the software product include cloud support; (ii) only the customer has access to the licensed software hosted by the cloud service provider; and (iii) the user is accessing the software only from a Site specified in the applicable license agreement.</p> <p>Cloud deployment does not change any license restrictions, including the restrictions on which regions can access the software.</p>	<p>Supply Chain Management (SCM) suite consists of the following products: Aspen Demand Manager, Aspen Collaborative Forecasting, Aspen Plant Scheduler, Aspen Supply Planner, Aspen Inventory Planner, Aspen Schedule Explorer, Aspen Supply Chain Analytics and Aspen Supply Chain Connect</p>						
<p>When running software on a virtual machine, the machine should meet the same requirements.</p>							
<p>AspenTech does not support the in-place upgrade of the Operating System (for example: upgrade Windows 7 to Windows 10) with AspenTech software already installed. Our recommendation is to uninstall Aspen Software before upgrading the OS and reinstall it after the upgrade.</p>							
<p>Your Aspen SLM Server must be installed and running prior to installing any V12 product.</p>							
<p>If running standalone, 1280 x 800 is the minimum recommended resolution monitor for servers.</p>							
<p>For SLM server using Type 1 Desktop configuration, the minimum memory is 4GB with 20GB hard drive.</p>							
<p>Microsoft Active Directory/Domain Services (Required for aspenONE Web Server)</p>							
<p>A minimum of 10GB of free space is needed to install/upgrade products.</p>							
<p>¹³ Refer to KB 47648 For more information on configuring SCM products using Azure: https://esupport.aspentech.com/S_Article?id=000047648</p>							
<p>¹⁴ Only Web Download Excel Add-in requires Excel.</p>							
<p>¹⁵ Users need to install both the 32-bit and 64-bit Oracle Clients 19.x for building and running reports</p>							
<p>²⁵ Only the version of MS Edge that uses the Google Chrome engine is supported</p>							