

Suite	Manufacturing & Supply Chain Suite						
V12 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 2012 -2019 Analysis Services							
	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 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								
MSXML 6								
Visual Studio 2019						✓		
Visual Studio 2017	✓		✓	✓	✓	✓	✓	

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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+		✓					
Native Web Servers							
IIS 10	✓		✓	✓	✓	✓	✓
IIS 8.5	✓		✓	✓	✓	✓	✓

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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							
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							

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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>						
When running software on a virtual machine, the machine should meet the same requirements.							
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.							
Your Aspen SLM Server must be installed and running prior to installing any V12 product.							
If running standalone, 1280 x 800 is the minimum recommended resolution monitor for servers.							
For SLM server using Type 1 Desktop configuration, the minimum memory is 4GB with 20GB hard drive.							
Microsoft Active Directory/Domain Services (Required for aspenONE Web Server)							
A minimum of 10GB of free space is needed to install/upgrade products.							
13 Refer to KB 47648 For more information on configuring SCM products using Azure: https://esupport.aspentech.com/S_Article?id=000047648							
14 Only Web Download Excel Add-in requires Excel.							
15 Users need to install both the 32-bit and 64-bit Oracle Clients 19.x for building and running reports							
25 Only the version of MS Edge that uses the Google Chrome engine is supported							