

Suite	Additional Products and Utilities							
V12 Platform Specifications that are supported	Aspen Infrastructure - Product Installation	Software License Manager (SLM) ¹⁹	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)	aspenONE Update Agent	Aspen Enterprise Insights Stack	Aspen Go	Aspen Bridge
	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 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 (64-bit)	✓						✓	✓
Office 2019 (32-bit)								
Office 2019 (32-bit)	✓						✓	✓
Office 2016 (64-bit)								
Office 2016 (64-bit)	✓						✓	✓
Office 2016 (32-bit)								
Office 2016 (32-bit)	✓						✓	✓
Office 2013 (32-bit)								
Office 2013 (32-bit)	✓						✓	✓
Database Servers								
Microsoft SQL Server 2019 (Enterprise/Standard Edition)								
Microsoft SQL Server 2019 (Enterprise/Standard Edition)	✓		✓	✓		✓		
Microsoft SQL Server 2019 (Express Edition)								
Microsoft SQL Server 2019 (Express Edition)	✓							
Microsoft SQL Server 2017 (Enterprise/Standard Edition)								
Microsoft SQL Server 2017 (Enterprise/Standard Edition)	✓		✓	✓		✓		
Microsoft SQL Server 2017 (Express Edition)								
Microsoft SQL Server 2017 (Express Edition)	✓							
Microsoft SQL Server 2016 (Enterprise/Standard Edition)								
Microsoft SQL Server 2016 (Enterprise/Standard Edition)	✓		✓	✓		✓		
Microsoft SQL Server 2016 (Express Edition)								
Microsoft SQL Server 2016 (Express Edition)	✓							
Microsoft SQL Server 2014 (Enterprise/Standard Edition)								
Microsoft SQL Server 2014 (Enterprise/Standard Edition)	✓		✓	✓		✓		
Microsoft SQL Server 2014 (Express Edition)								
Microsoft SQL Server 2014 (Express Edition)	✓							
Microsoft SQL Server 2012 (Enterprise/Standard 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									
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	✓	✓				✓		
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	NA	✓		✓	✓		✓	✓

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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>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>¹⁸ If using aspenONE Exchange on Windows Server 2012 R2, you must select the Desktop Experience option during Windows installation to enable Flash training videos.</p>								
<p>¹⁹ SLM supported in cloud (Azure VM/Amazon VM) for ENG products that are supported in the cloud</p>								
<p>²⁰ If FIPS is enabled, aspenONE Exchange users must have the latest Windows Update patches installed on their machine.</p>								
<p>²¹ Office 365 - 32-bit support only</p>								