

Suite	Aspen Internet of Things						
V12 Platform Specifications that are supported	Aspen AI Model Builder	Aspen IoT Analytics Suite	Aspen Data Science Studio	Aspen Enterprise Insights	Aspen Edge Connect	Aspen Cloud Connect	
	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						
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					✓	✓	

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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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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.						
²⁵ Only the version of MS Edge that uses the Google Chrome engine is supported						