

Suite	AI of Things						
V12.1 Platform Specifications that are supported	Aspen AI Model Builder	Aspen IoT Analytics Suite	Aspen Data Science Studio (DSS)	Aspen Enterprise Insights	Aspen Edge Connect 64-bit	Aspen Cloud Connect 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						
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	✓			✓	✓	✓	
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>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>²⁵ Only the version of MS Edge that uses the Google Chrome engine is supported</p>						