

Suite	Manufacturing & Supply Chain Suite							
V12.1 Platform Specifications that are supported	Advanced Process Control (APC)							
	Advanced Process Control (APC) Desktop 32-bit	Advanced Process Control (APC) Online 32-bit	Batch Advanced Process Control (APC) Online 64-bit	Advanced Process Control (APC) Performance Monitor 32-bit	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client) 32-bit	Aspen Process Recipe & Aspen Process Sequencer (server) 32-bit	
	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	✓	✓	✓	✓	✓	✓ ⁸	✓ ⁸	
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					✓ ⁹				
IIS 8.5					✓ ⁹				
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)		✓ ⁹			✓ ⁹		✓	
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)				✓ ⁹				
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.								
8 Must be in compatibility mode for Aspen Process Sequencer								
9 See "Basic Deployment Recommendations" in Appendix C of the Aspen Manufacturing Suite Advanced Process Control Installation Guide.								
10 For new installations of APC Web Server, install IIS and JRE before installing APC Web Server								
25 Only the version of MS Edge that uses the Google Chrome engine is supported								
27 WVD Certification Notes – 1. Publishing WVD apps to users local machine start menu not supported 2. Interoperability with 3rd party products only supported with Office 365 3. Aspen Properties Enterprise Database (APED) via SQL Server not supported 4. The following products have not been certified for WVD: ABE, ABPD, AOL, AVCA								