

Suite	Engineering Suite								
V10.1 Platform Specifications that are supported	AES Property System 32-bit	Process Modeling (Aspen Plus) 32-bit	Exchanger Design & Rating (EDR) 32-bit ²	Process Modeling (Aspen HYSYS) 32-bit	Economic Evaluation (EE) 32-bit	Basic Engineering Client	Basic Engineering Server	Aspen Online (AOL)	
	Operating Systems (64-bit only)								
	Windows 10 Anniversary (2nd LTSB) Enterprise & Professional (64-bit)	✓	✓	✓	✓	✓	✓	✓	✓
	Windows 10 Enterprise & Professional (64-bit)	✓	✓	✓	✓	✓	✓	✓	✓
	Windows 8.1 Update 1 Enterprise & Professional (64-bit)	✓	✓	✓	✓	✓	✓	✓	✓
	Windows 7 Enterprise & Professional SP1 (64-bit)	✓	✓	✓	✓	✓	✓	✓	✓
	Windows Server 2016	✓	✓	✓	✓	✓	✓	✓	✓
	Windows Server 2012 R2	✓	✓	✓	✓	✓	✓	✓	✓
Windows Server 2008 R2 SP1	✓	✓	✓	✓	✓	✓	✓	✓	
Ubuntu Server Edition 16.04 LTS									
Advantech Smart Router Series coLinux									
Safari on iOS 10+ for iPad Support									
Microsoft Office									
Office 365 (Desktop/Click-to-run)	✓	✓	✓	✓	✓	✓		✓	
Office 2016 (64-bit)			✓		✓				
Office 2016 (32-bit)	✓	✓	✓	✓	✓	✓		✓	
Office 2013 SP1 (32-bit)	✓	✓	✓	✓	✓	✓		✓	
Office 2010 SP2 (32-bit)	✓	✓	✓	✓	✓	✓		✓	
Database Servers									
Microsoft SQL Server 2016 SP1 (Enterprise/Standard Edition)	✓	✓		✓	✓		✓	✓	
Microsoft SQL Server 2016 SP1 (Express Edition)	✓	✓		✓			✓	✓	
Microsoft SQL Server 2014 SP2 (Enterprise/Standard Edition)	✓	✓		✓	✓		✓	✓	
Microsoft SQL Server 2014 SP2 (Express Edition)	✓	✓		✓			✓	✓	
Microsoft SQL Server 2012 SP2 (Enterprise/Standard Edition)		✓		✓	✓		✓	✓	
Microsoft SQL Server 2012 SP2 (Express Edition)		✓		✓			✓	✓	
Microsoft SQL Server 2008 R2 SP3 (Enterprise/Standard Edition)		✓		✓	✓		✓	✓	
Microsoft SQL Server 2008 R2 SP3 (Express Edition)		✓		✓			✓	✓	
SQL Server Local DB		✓		✓	✓			✓	
SQL Server 2012 Analysis Services									
SQL Server 2008 R2 Analysis Services									
Oracle Database 12.1.0.2							✓		
Oracle Database 11.2.0.4							✓		
Database Clients									
Microsoft SQL Server 2016 SP1 (Express Edition)									
Microsoft SQL Server 2014 SP2 (Express Edition)									
Microsoft SQL Server 2012 SP2 (Express Edition)									
Microsoft SQL Server 2008 R2 SP3 (Express Edition)									
Oracle Client 12.1.0.2 32-bit									
Oracle Client 11.2.0.4 32-bit									
Oracle Client 12.1.0.2 64-bit							✓		
Oracle Client 11.2.0.4 64-bit							✓		
Runtimes									
.NET Framework 4.7.1									
.NET Framework 4.6.2	✓	✓	✓	✓	✓	✓	✓	✓	
.NET Framework 3.5									
32-bit Java 8 JRE update 91					✓				
32-bit Java 8 JDK update 91					✓				
64-bit Java 8 JRE update 91					✓				
64-bit Java 8 JDK update 91					✓				
MSXML 6	✓	✓	✓	✓	✓	✓	✓	✓	
Silverlight 5									
Flash 10 and higher									
Visual Studio 2010 Tools for Office Runtime				✓					

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	Economic Evaluation (EE) 32-bit								
	Basic Engineering - Client								
	Basic Engineering - Server								
	Aspen Online (AOL)								
Virtualization									
Microsoft App-V 5.1	✓	✓	✓	✓	✓	✓			✓
Microsoft Hyper-V (Server)	✓	✓	✓	✓	✓	✓	✓	✓	✓
VMware ESX Server 6.0 (Server)	✓	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft Terminal Services (Desktop)	✓	✓	✓	✓	✓	✓			✓
Citrix XenApp 7.9 (Desktop)	✓	✓	✓	✓	✓	✓			✓
Web Browsers									
Internet Explorer 11	✓	✓	✓	✓	✓	✓			✓
Google Chrome Evergreen Version 55+									
Safari on iOS 10+ for iPad Support									
Security Frameworks									
Aspen Framework (AFW) 5									
Non-Domain Security Group									
Microsoft Active Directory / Active Directory Domain Services									
Java App (Servers)									
Apache Tomcat 8.0.35									
WebLogic 12c									
Web Servers									
IIS 10		✓							✓
IIS 8.5		✓							✓
IIS 7.5		✓							✓
Apache HTTP Server 2.2.xx									
Reporting Services									
Microsoft Report Viewer 2010 SP1									
Microsoft SQL Server 2012/2014/2016 Reporting Services									
Microsoft SQL Server 2008 R2 Reporting Services									
Crystal Reports 8.5									
Crystal Reports 11					✓				
Malware Blocking Features									
EMET 5.5									✓
DEP	✓							✓	✓
Integration Components									
Aspen Supply Chain Connect									
Informatica Powercenter 10									
Cloud Support *									
Azure VM - Microsoft	✓	✓	✓	✓	✓				
Amazon VM	✓	✓	✓	✓	✓				
Azure Virtual Apps Essentials	✓	✓	✓	✓	✓				
Nutanix Frame	✓	✓	✓	✓	✓				
Deployment Tools									
SCCM 2016 (version 1606)	✓	✓	✓	✓	✓	✓			✓
SCCM 2012 R2 SP1	✓	✓	✓	✓	✓	✓			✓
Desktop Types - Minimum Recommended									
Type I: Computer & processor: Intel Core-i5 family or faster Memory (RAM): 8 gigabytes (GB) RAM Hard Disk: 80 gigabytes (GB) available Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a 1280 x 1024 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 1280 x 1024 or higher resolution monitor Network: 100MB/Sec		✓							

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Server Types - Minimum Recommended								
Type I: Computer & processor: Intel Xeon E5 family or faster for standalone deployment Intel Xeon E5 series, 4 cores or more for multi-user environment Memory (RAM): 8 or above gigabytes (GB) RAM for standalone deployment, 16 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 1280 x 1024 or higher resolution monitor Network: 100MB/Sec								✓
Type II: Computer & processor: Intel Xeon E5 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 1280 x 1024 or higher resolution monitor Network: 100MB/Sec (Gigabyte network recommended)								
Type III: Computer & processor: 4 x Intel (8 cores) or faster 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 1280 x 1024 or higher resolution monitor Network: 100MB/Sec (Gigabyte network recommended)	✓ ¹							✓ ¹
Type IV: (IIoT Gateways) Computer & processor: ARM or Intel based CPU or more Memory (RAM): 256Mb or more Hard Disk: 128Mb or more	✓ ¹							✓ ¹

Notes:

AspenONE Engineering suite consists of the following products: Aspen Plus family, Aspen HYSYS family, Aspen Exchanger Design & Rating (EDR), Aspen Economic Evaluation (EE), Aspen Basic Engineering (ABE), AspenONE Web Server, and AspenONE Exchange.

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Cloud deployment does not change any license restrictions, including the restrictions on which regions can access the software.

¹ For standalone deployments of Engineering products, server type I is sufficient

² EDR does not use any database servers. Deploys its own Access DB files.

When running software on a virtual machine, the machine should meet the same requirements.

If running standalone, 1280 x 800 is the minimum recommended resolution monitor for servers.

Your Aspen SLM Server must be installed and running prior to installing any V10 product.