Suite	Additional Products & Utilities							
V10 Platform Specifications that are supported	Exchange	aspenONE Client	Aspen Infrastructure - Product Installation	Software License Manager (SLM) [9]	aspenONE Update Center	aspenONE Integration Foundation	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)
Operating Systems (64-bit only)								
Windows 10 Anniversary (2nd LTSB) 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	✓[7]	✓	✓	✓	✓	✓	✓	✓
Windows Server 2008 R2 SP1	✓	✓	✓	✓	✓	✓	✓	✓
Safari on iOS 10+ for iPad Support		✓						
Microsoft Office *								
Office 365 (Desktop/Click-to-run)			✓					
Office 2019 (64-bit)								
Office 2019 (32-bit)			✓					
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)						✓		

Suite / Additional Products & Utilities

V10 Platform Specifications that are supported	Exchange	aspenONE Client	Aspen Infrastructure - Product Installation	Software License Manager (SLM) [9]	aspenONE Update Center	aspenONE Integration Foundation	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)
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 4.6.2	✓	✓	✓	✓	✓	✓	✓	✓
.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			✓					
32-bit AdoptOpenJDK Java 8 u181								
64-bit AdoptOpenJDK Java 8 u181								
MSXML 6			✓	✓		✓	✓	✓
Silverlight 5			✓					
Flash 10 and higher	✓							
Visual Studio 2010 Tools for Office Runtime			✓					
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								

Suite	Additional Products & Utilities							
V10 Platform Specifications that are supported	Exchange	aspenONE Client	Aspen Infrastructure - Product Installation	Software License Manager (SLM) [9]	aspenONE Update Center	aspenONE Integration Foundation	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)
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								

Suite	Additional Products & Utilities							
V10 Platform Specifications that are supported	Exchange	aspenONE Client	Aspen Infrastructure - Product Installation	Software License Manager (SLM)[9]	aspenONE Update Center	aspenONE Integration Foundation	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)
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				✓[8]			✓	✓
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								
Server Types - Minimum Recommended								
Type I: Computer & processor: Intel Core-i5 family or faster for standalone deployment Intel Xeon E5 series, 4 cores or more a 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)								

Notes:

[8] If using aspenONE Exchange on Windows Server 2012 R2, you must select the Desktop Experience option during Windows installation to enable Flash training videos.

Suite	Additional Products & Utilities							
V10 Platform Specifications that are supported	Exchange	aspenONE Client	Aspen Infrastructure - Product Installation	Software License Manager (SLM)[9]	aspenONE Update Center	aspenONE Integration Foundation	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)
	* 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.							
	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.							
	[9] SLM supported in cloud (Azure VM/Amazon VM) for ENG products that are supported in the cloud							
	If running standalone, 1280 x 800 is the minimum recommended resolution monitor for servers.							
	If FIPS is enabled, aspenONE Exchange users must have the latest Windows Update patches installed on their machine.							
	Microsoft Active Directory/Domain Services (Required for aspenONE Web Server)							
	When running software on a virtual machine, the machine should meet the same requirements.							
	Your Aspen SLM Server must be installed and running prior to installing any V9 product.							
	For SLM server using Type 1 Desktop configuration, the minimum memory is 4GB with 20GB hard drive.							