

Suite	Additional Products & Utilities						
V11 Platform Specifications that are supported	18 Exchange	Aspen Infrastructure - Product Installation	19 Software License Manager (SLM)	aspenONE Update Center Windows	aspenONE Integration Foundation	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)
<b>Operating Systems (64-bit only)</b>							
Windows 10 Anniversary (1709 LTSC) 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 (build#1709)	✓	✓	✓	✓	✓	✓	✓
Windows Server 2012 R2	✓ <sup>20</sup>	✓	✓	✓	✓	✓	✓
Windows Server 2008 R2 SP1	✓	✓	✓	✓	✓	✓	✓
Ubuntu Server Edition 16.04 LTS							
Advantech Smart Swarm 2.2.2							
Advantech Smart Router Series coLinux							
Safari on iOS 11+ for iPad Support							
<b>Microsoft Office</b>							
Office 365 (Desktop/Click-to-run)		✓			✓		
Office 2016 (64-bit)		✓					
Office 2016 (32-bit)		✓					

Suite	Additional Products & Utilities						
V11 Platform Specifications that are supported	Exchange <sup>18</sup>	Aspen Infrastructure - Product Installation	<sup>19</sup> Software License Manager (SLM )	aspenONE Update Center Windows	aspenONE Integration Foundation	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)
Office 2013 SP1 (32-bit)		✓			✓		
Office 2010 SP2 (32-bit)		✓					
<b>Database Servers</b>							
Microsoft SQL Server 2017 (Enterprise/Standard Edition)	✓	✓				✓	✓
Microsoft SQL Server 2017 (Express Edition)		✓					
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 SP3 (Enterprise/Standard Edition)	✓	✓				✓	✓
Microsoft SQL Server 2012 SP3 (Express Edition)		✓					
SQL Server Local DB		✓					
SQL Server 2012 Analysis Services						✓	✓
Oracle Database 12.2.x 64-bit					✓		✓
Oracle Database 11.2.x 64-bit					✓		✓
<b>Database Clients</b>							
Microsoft SQL Server 2017 (Express Edition)							

Suite	Additional Products & Utilities						
V11 Platform Specifications that are supported	Exchange 18	Aspen Infrastructure - Product Installation	19 Software License Manager (SLM )	aspenONE Update Center Windows	aspenONE Integration Foundation	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)
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 18.3 32-bit					✓		
Oracle Client 18.3 64-bit					✓		
Oracle Client 12.1.0.2 32-bit							
Oracle Client 11.2.0.4 32-bit							
Oracle Client 12.2.x 64-bit							
Oracle Client 11.2.x 64-bit							
Runtimes							
.NET Framework 4.7.1	✓	✓	✓	✓	✓	✓	✓
.NET Framework 4.0							
.NET Framework 3.5							
32-bit Java 8 JRE update 151		✓					
32-bit Java 8 JDK update 151		✓					
64-bit Java 8 JRE update 151		✓					
64-bit Java 8 JDK update 151		✓					
32-bit AdoptOpenJDK Java 8 u181							
64-bit AdoptOpenJDK Java 8 u181							

Suite	Additional Products & Utilities						
V11 Platform Specifications that are supported	18 Exchange	Aspen Infrastructure - Product Installation	19 Software License Manager (SLM )	aspenONE Update Center Windows	aspenONE Integration Foundation	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)
MSXML 6		✓	✓		✓	✓	✓
Visual Studio 2013, 2015, 2017							
Microsoft Visual C++ Redistributable 2017							
Microsoft Visual C++ Redistributable 2015							
Microsoft Visual C++ Redistributable 2013							
Visual Studio 2017 Tools for Office Runtime		✓					
Visual Studio 2010 Tools for Office Runtime		✓					
<b>Virtualization</b>							
Microsoft App-V 5.1							
Microsoft Hyper-V (Server)	✓	✓	✓		✓	✓	✓
VMware ESX Server 6.0 (Server)	✓	✓	✓		✓	✓	✓
Microsoft Terminal Services (Desktop)	✓	✓	✓				
Citrix XenApp 7.14 (Desktop)	✓	✓					
<b>Web Browsers</b>							
Internet Explorer 11	✓			✓			✓
Microsoft Edge							
Google Chrome Evergreen Version 104+							

Suite	Additional Products & Utilities						
V11 Platform Specifications that are supported	Exchange <sup>18</sup>	Aspen Infrastructure - Product Installation	<sup>19</sup> Software License Manager (SLM )	aspenONE Update Center Windows	aspenONE Integration Foundation	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)
Safari on iOS 11+ for iPad Support							
<b>Security Components/Services</b>							
Aspen Framework (AFW) 5					✓		
Non-Domain Security Group		✓					
Microsoft Active Directory / Active Directory Domain Services		✓					
<b>Java App (Servers)</b>							
Apache Tomcat 8.5+	✓						
<b>Web Servers</b>							
IIS 10	✓	✓			✓		
IIS 8.5	✓	✓			✓		
IIS 7.5	✓	✓			✓		
<b>Reporting Services</b>							
Microsoft Report Viewer 2010 SP1		✓					
Microsoft SQL Server 2008 R2/2012/2014/2016/2017 Reporting Services							
Crystal Reports 8.5							
Crystal Reports 11							
<b>Malware Blocking Features</b>							

Suite	Additional Products & Utilities						
V11 Platform Specifications that are supported	Exchange <sup>18</sup>	Aspen Infrastructure - Product Installation	<sup>19</sup> Software License Manager (SLM )	aspenONE Update Center Windows	aspenONE Integration Foundation	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)
DEP-Data Execution Prevention	✓	✓	✓	✓	✓	✓	✓
Integration Components							
Aspen Supply Chain Connect							
Informatica Powercenter 10.2 HF1							
Cloud Support *							
Azure VM - Microsoft	✓	✓	✓				
Amazon VM (AWS)	✓	✓	✓				
Azure VM - Linux							
Azure SQL							
Azure Cloud Service (Worker Role)							
Azure App Service (Web App)							
Azure CosmosDB							
Azure Redis Cache							
Azure IoT Hub							
Storage Account							
Nutanix Frame							

Suite	Additional Products & Utilities						
V11 Platform Specifications that are supported	18 Exchange	Aspen Infrastructure - Product Installation	19 Software License Manager (SLM )	aspenONE Update Center Windows	aspenONE Integration Foundation	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)
Azure Virtual Apps Essentials	✓	✓	✓				
<b>Deployment Tools</b>							
SCCM 2016 (version 1606)							
SCCM 2012 R2 SP1							
<b>Built With</b>							
FORTRAN 2017							
<b>Desktop Types - Minimum Recommended</b>							
<b>Type I:</b> Computer & processor: Intel Core-i5 family or faster Memory (RAM): <b>16</b> gigabytes (GB) RAM Hard Disk: <b>120</b> gigabytes (GB) available Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a 1280 x 1024 or higher resolution monitor Network: 100MB/Sec			✓		✓		✓
<b>Type II:</b> Computer & processor: Intel Core-i5 family or faster Memory (RAM): <b>16</b> gigabytes (GB) RAM Hard Disk: <b>250</b> gigabytes (GB) available Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a 1280 x 1024 or higher resolution monitor Network: 100MB/Sec							
<b>Server Types - Minimum Recommended</b>							

Suite	Additional Products & Utilities						
V11 Platform Specifications that are supported	18 Exchange	Aspen Infrastructure - Product Installation	19 Software License Manager (SLM )	aspenONE Update Center Windows	aspenONE Integration Foundation	Aspen Reporting Framework 64-bit	Aspen Framework Server (AFW)
<b>Type I:</b> 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, 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			✓		✓	✓	✓
<b>Type II:</b> 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 1280 x 1024 or higher resolution monitor Network: 100MB/Sec (Gigabyte network recommended)							
<b>Type III:</b> 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)							
<b>Type IV: (IIoT Gateways)</b> Computer & processor: ARM or Intel based CPU or more Memory (RAM): 256Mb or more Hard Disk: 128Mb or more							
<b>Notes</b>							



Suite	Additional Products & Utilities						
<p>V11 Platform Specifications that are supported</p>	<p>Exchange <b>18</b></p>	<p>Aspen Infrastructure - Product Installation</p>	<p><b>19</b> Software License Manager (SLM )</p>	<p>aspenONE Update Center Windows</p>	<p>aspenONE Integration Foundation</p>	<p>Aspen Reporting Framework 64-bit</p>	<p>Aspen Framework Server (AFW)</p>
<p>* 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.</p> <p>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.</p> <p>Cloud deployment does not change any license restrictions, including the restrictions on which regions can access the software.</p> <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 V11 product.</p> <p>If running standalone, 1280 x 800 is the minimum recommended resolution monitor for servers.</p> <p>For SLM server using the 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>							

Suite	Additional Products & Utilities						
<p>V11 Platform Specifications that are supported</p>	<p>Exchange <sup>18</sup></p>	<p>Aspen Infrastructure - Product Installation</p>	<p><sup>19</sup> Software License Manager (SLM )</p>	<p>aspenONE Update Center Windows</p>	<p>aspenONE Integration Foundation</p>	<p>Aspen Reporting Framework 64-bit</p>	<p>Aspen Framework Server (AFW)</p>
<p><sup>18</sup> 1 If using aspenONE Exchange on Windows Server 2012 R2, you must select the Desktop Experience option during Windows installation to enable Flash training videos.</p>							
<p><sup>19</sup> SLM supported in cloud (Azure VM/Amazon VM) for ENG products that are supported in the cloud</p>							
<p><sup>20</sup> If FIPS is enabled, aspenONE Exchange users must have the latest Windows Update patches installed on their machine.</p>							