

Suite	Manufacturing & Supply Chain Suite										
V10 Platform Specifications that are supported	Manufacturing Execution Systems (MES)										
	Manufacturing Execution Systems (MES) Desktop Apps	Manufacturing Execution Systems (MES) Admin Tools	aspENONE Process Explorer Server	aspENONE Process Explorer Client	InfoPlus.21 (IP.21) Server	Interfaces ⁶	Plant Operations	Aspen Production Record Manager (APRM) Server	Aspen Production Execution Manager (APEM) Server	Weigh & Dispense	Aspen Role Based Visualization 64-bit
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											
Aspen Framework (AFW) 5	✓	✓	✓		✓	✓		✓	✓	✓	

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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											

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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											
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:
 Manufacturing Execution Systems (MES) suite consists of the following products: InfoPlus.21 (IP.21), Process Explorer, aspenONE Process Explorer, Aspen Production Record Manager (APRM), Aspen Production Execution Manager (APEM), Role-Based Visualization (RBV), Aspen Operations Reconciliation and Accounting (AORA), and Aspen Tank and Operations Manager (ATOM).

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	<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>If running standalone, 1280 x 800 is the minimum recommended resolution monitor for servers.</p>										
	<p>Your Aspen SLM Server must be installed and running prior to installing any V10 product.</p>										
	<p>We employ EMET 5.5 to harden our testing environments with the understanding that EMET will reach its EOL on July 31, 2018</p>										
	<p>⁶ CIM-IO Interfaces can be installed on 32-bit desktops</p>										