

Suite	Manufacturing & Supply Chain Suite										
V10.1 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 (P.21) Server	Interfaces ¹	Plant Operations	Aspen Production Record Manager (APRM) Server	Aspen Production Execution Manager (APEM) Server	Weigh & Dispense	Aspen Role Based Visualization 64-bit
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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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				✓	✓	✓	✓	✓	✓	✓	

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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 4.6.2	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
.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	✓											
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)	✓	✓	✓	✓	✓	✓		✓	✓	✓		

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Deployment Tools											
SCCM 2016 (version 1606)											
SCCM 2012 R2 SP1											
Desktop Types											
Type I: Computer & processor: Intel Core-i5 family 2.8 gigahertz (GHz) 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 2.8 gigahertz (GHz) 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											
Type I: Computer & processor: Intel Core-i5 family 2.8 gigahertz (GHz) or faster for standalone deployment Intel Xeon E5 series, 4 cores or more and 2.8GHz or higher 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, 2.8 gigahertz (GHz) (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 2.66 gigahertz (GHz) (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)		✓		✓							✓

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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).

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.

We employ EMET 5.5 to harden our testing environments with the understanding that EMET will reach its EOL on July 31, 2018

¹ CIM-IO Interfaces can be installed on 32-bit desktops