

Suite	Manufacturing & Supply Chain Suite										
V14 Platform Specifications that are supported	Manufacturing Execution Systems (MES)										
	Aspen Tank Operations Manager (ATOMS Server)	Tank Operations Manager (ATOMS Client)	Aspen Unified Reconciliation and Accounting (AURA)	Plant Operations Reconciliation and Accounting (ACRA)	Plant Operations Reconciliation and Accounting (ACRA Client)	Aspen Production Execution Manager (APEM) Server	APEM Mobile	Weigh & Dispense Client	Batch Release Management	Aspen Reporting Framework	
Operating Systems (64-bit only)											
Windows 11		✓	✓		✓						
Windows 10 Enterprise & Professional (64-bit)		✓	✓		✓						
Windows Server 2022 ^{33, 45}	✓	✓	✓	✓	✓	✓	✓	✓		✓	
Windows Server 2019 ^{33, 45}	✓	✓	✓	✓	✓	✓	✓	✓		✓	
Windows Server 2016 ^{33, 45}	✓	✓	✓	✓	✓	✓	✓	✓		✓	
Ubuntu Server Edition 20.04 LTS											
Ubuntu Server Edition 18.04 LTS											
Ubuntu Server Edition 16.04 LTS											
Microsoft Office											
Office 365 (Desktop/Click-to-run) (32-bit/64-bit)			✓		✓ ²¹						
Office 2021 (64-bit)			✓								
Office 2021 (32-bit)			✓		✓						
Office 2019 (64-bit)			✓								
Office 2019 (32-bit)			✓		✓						
Office 2016 (64-bit)			✓								
Office 2016 (32-bit)			✓		✓						
Office 2013 (32-bit)					✓						
Database Servers											
Microsoft SQL Server 2019 (Enterprise/Standard Edition)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Microsoft SQL Server 2019 (Express Edition)			✓								
Microsoft SQL Server 2017 (Enterprise/Standard Edition)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Microsoft SQL Server 2017 (Express Edition)			✓								
Microsoft SQL Server 2016 (Enterprise/Standard Edition)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Microsoft SQL Server 2016 (Express Edition)			✓								
Microsoft SQL Server 2014 (Enterprise/Standard Edition)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Microsoft SQL Server 2014 (Express Edition)			✓								
SQL Server 2019 Local DB			✓ ¹²								
SQL Server 2014 -2019 Analysis Services										✓	
PostgreSQL 13.2											
Oracle Database 19.x.x 64-bit	✓			✓		✓ ²⁸					
Database Clients											

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Oracle Client 19.x 32-bit	✓ ²⁴	✓ ²⁴		✓	✓						
Oracle Client 19.x 64-bit											
Oracle Client 18.x 32-bit											
Runtimes											
NET Framework 4.8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
.NET 6.0.3											
Aspen AIoT Cloud libraries											
ASP.NET Core 6.0.3											
64-bit Oracle Java 17 JDK LTS											
64-bit Oracle Java 17 JDK LTS											
64-bit Oracle Java 11 JDK LTS						✓ ⁴⁶	✓ ⁴⁶				
64-bit Oracle Java 8 JDK LTS											
64-bit Oracle Java 8 JDK LTS											
32-bit AdoptOpenJDK Java 17 JRE LTS											
64-bit AdoptOpenJDK Java 17 JRE LTS											
32-bit AdoptOpenJDK Java 11 JRE LTS								✓			
64-bit AdoptOpenJDK Java 11 JRE LTS						✓	✓				
64-bit AdoptOpenJDK Java 8 JRE LTS											
Python											
MSXML 6	✓	✓	✓	✓	✓	✓		✓		✓	
Visual Studio 2022											
Visual Studio 2019	✓	✓		✓	✓	✓		✓			
Visual Studio 2017											
Visual Studio 2010 Tools for Office Runtime									✓		
Microsoft Visual C++ Redistributable 2022											
Microsoft Visual C++ Redistributable 2019	✓	✓	✓	✓	✓	✓		✓	✓		
Microsoft Visual C++ Redistributable 2017	✓	✓	✓	✓	✓	✓		✓	✓		
Virtualization											
Microsoft Hyper-V (Server)	✓	✓	✓	✓	✓	✓		✓	✓	✓	
VMware ESXi Hypervisor Server 6.x (Server)	✓	✓	✓	✓	✓	✓		✓		✓	
VMWare vSphere Enterprise Plus											
Microsoft Terminal Services (Desktop)	✓	✓		✓	✓	✓		✓			

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Type VIII Computer & processor: Intel Xeon E class processor or equivalent with 8 cores or higher Memory (RAM in GB): 12 or above gigabytes (GB) RAM Hard Disk (GB): 2000 min. High IOPS drive, SSD preferred Network: 200Mbps												
Type IX Single model environment: Computer & processor: 4 vCPU > + 2.8 GHz Memory (RAM in GB): 8+ Hard Disk (GB): 100 Network: 100Mbps												
Type X Single model environment: Computer & processor: 8 vCPU > + 3.2 GHz Memory (RAM in GB): 16+ Hard Disk (GB): 100 Network: 100Mbps												
Type XI Multiple models within single environment (max models <=10): Computer & processor: 4 vCPU > + 2.8 GHz (add 1.5vCPU per concurrent user) Memory (RAM in GB): 8+ (add 3GB per concurrent user) Hard Disk (GB): 100 (add .5GB per concurrent user) Network: 100Mbps												
Type XII Multiple models within single environment (max models <=10): Computer & processor: 8 vCPU > + 3.2 GHz (add 1.5vCPU per concurrent user) Memory (RAM in GB): 16 or above gigabytes (GB) RAM (add 4GB RAM per concurrent user) Hard Disk (GB): 100 GB min. (add .5GB per concurrent user) Network: 100Mbps												
Type XIII Supports 20 concurrent users: Computer & processor: 16 vCPU > + 2.2 GHz Memory (RAM in GB): 64 Hard Disk: 100 Network: 10 Mbps												
Type XIV Supports 100 concurrent users: Computer & processor: 16 vCPU > + 2.2 GHz Memory (RAM in GB): 32 Hard Disk (GB): 100 Network: 5 Mbps												
Type XV Computer & processor: 16 vCPU > + 2.2 GHz Memory (RAM in GB): 32 Hard Disk (GB): 100Mbps												
Notes * 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. Cloud deployment does not change any license restrictions, including the restrictions on which regions can access the software.	Manufacturing Execution Systems (MES) suite consists of the following products: Aspen Unified Reconciliation and Accounting (AURA), Plant Operations 32-bit (ATOMS Server), Plant Operations 32-bit (ATOMS Client), Plant Operations 32-bit (AORA Server), Plant Operations 32-bit (AORA Client), Aspen Production Execution Manager (APEM) Server, APEM Mobile, Weigh & Dispense Client, Aspen Reporting Framework											

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When running software on a virtual machine, the machine should meet the same requirements.											
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.											
Your Aspen SLM Server must be installed and running prior to installing any V14 product.											
If running standalone, 1280 x 800 is the minimum recommended resolution monitor for servers.											
For SLM server using Type 1 Desktop configuration, the minimum memory is 4GB with 20GB hard drive.											
Microsoft Active Directory/Domain Services (Required for aspenONE Web Server)											
A minimum of 10GB of free space is needed to install/upgrade products on the C drive.											
1 This configuration is only practical for small scale models and deployments. For most applications, best deployment practice dictates the use of a separate and dedicated database server for acceptable performance											
2 EDR does not use any database servers. Deploys its own LocalDB database files.											
3 Aspen Batch Process Developer does not support the 64-bit version of Visio. Visio is used in ABPD to generate the block diagram and process flow diagram reports; it is an optional feature. The 64-bit versions of Word and Excel are fully supported by ABPD.											
4 When Aspen Utility model is driven by Aspen Online using Local System Account, then SQL Express 2014 is required.											
5 When Exchanger Design and Rating is driven by Aspen Online using Local System Account, then SQL Express 2014 is required											
6 Aspen Modeler family supports FORTRAN compiler version 2020											
7 Oracle or AdoptOpenJDK Java is needed if the 3rd party scheduling application Primavera is used with Economic Evaluation (EE). Primavera is owned by Oracle and its API uses Java.											
8 Must be in compatibility mode for Aspen Process Sequencer											
9 See "Basic Deployment Recommendations" in Appendix C of the Aspen Manufacturing Suite Advanced Process Control Installation Guide.											
10 For new installations of APC Web Server, install IIS and JRE before installing APC Web Server											
11 CIM-IO Interfaces can be installed on 32-bit desktops											
12 This configuration is only practical for small scale models and deployments. For most applications, best deployment practice dictates the use of a separate and dedicated database server for acceptable performance.											
14 Only Web Download Excel Add-in requires Excel.											
15 Users need to install both the 32-bit and 64-bit Oracle Clients 19.x for building and running reports											
16 Non-English OS's are not supported											
19 SLM supported in cloud (Azure VM/Amazon VM) for ENG products that are supported in the cloud											

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47 SQL Server 2014 does not support AT TIME ZONE functionality. Due to this, Daylight Saving time will not be accounted for in the database views defined in Unified Scheduling Results database.

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