**Aspentech Disclaimer
Aspen Technology may provide information regarding possible future product developments including new products, product features, product interfaces, integration, design, architecture, etc. that may be represented as "product roadmaps or product visions." Any such information is for discussion purposes only and does not constitute a commitment by Aspen Technology to do or deliver anything in these product roadmaps or otherwise. Any such commitment must be explicitly set forth in a written contract between the customer and Aspen Technology, executed by an authorized officer of each company

Suite		Manu	facturin	ıg & Sup	ply Cha	in Suite	
		A	dvanced	Process C	ontrol (A	PC)	
V15 Platform Specifications that are supported	Advanced Process Control (APC) Desktop	Advanced Process Control (APC) Online	Batch Advanced Process Control (APC) Online	Advanced Process Control (APC) Performance Monitor	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client)	Aspen Process Recipe & Aspen Process Sequencer (server)
Operating Systems (64-bit only)				ı			ı
Windows 11 Enterprise & Professional (64-bit)	✓					✓	
Windows 10 Enterprise & Professional (64-bit)	✓					\checkmark	
Windows Server 2025	✓	✓	✓	✓	✓	✓	✓
Windows Server 2022 ^{33, 45}	✓	✓	✓	✓	✓	✓	√
Windows Server 2019 ^{33, 45}	✓	✓	✓	✓	✓	✓	✓
Ubuntu Server Edition 20.04 LTS							
Ubuntu Server Edition 18.04 LTS							
Ubuntu Server Edition 16.04 LTS							
RedHat Enterprise Linux 9.4							
RedHat Enterprise Linux 8.8							
Microsoft Office							
Office 365 (Desktop/Click-to-run) (32-bit/64-bit)							
Office 2024 (64-bit)							
Office 2024 (32-bit)							
Office 2021 (64-bit)							
Office 2021 (32-bit)							
Office 2019 (64-bit)							
Office 2019 (32-bit)							
Office 2016 (64-bit)							
Office 2016 (32-bit)							
Database Servers							

Suite		Manu	facturir	ıg & Sup	ply Cha	in Suite	
		A	dvanced	Process C	ontrol (A	APC)	
V15 Platform Specifications that are supported	Advanced Process Control (APC) Desktop	Advanced Process Control (APC) Online	Batch Advanced Process Control (APC) Online	Advanced Process Control (APC) Performance Monitor	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client)	Aspen Process Recipe & Aspen Process Sequencer (server)
Microsoft SQL Server 2022 (Express Edition)						✓	
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)						✓	
SQL Server 2019 Local DB							✓
SQL Server 2014 -2019 Analysis Services							
PostgreSQL 16.8							
PostgreSQL 13.2							
Oracle Database 19.x.x 64-bit							
MongoDB Database 5.0.x 64-bit							
MongoDB Database 6.0.x 64-bit							
MongoDB Database 7.0.x 64-bit							
Database Clients							
Oracle Client 19.x 32-bit							
Oracle Client 19.x 64-bit							
Runtimes							
.NET Framework 4.8	√	✓	✓	✓	✓	✓	✓
.NET 8.0.15							
.NET 8.0.10							
Aspen AloT Cloud libraries							
ASP.NET Core 8.0.10							
32-bit Oracle Java 21 JDK LTS							
64-bit Oracle Java 21 JDK LTS							

Suite		Manu	facturin	ıg & Sup	ply Cha	in Suite	
		A	dvanced	Process C	ontrol (A	PC)	
V15 Platform Specifications that are supported	Advanced Process Control (APC) Desktop	Advanced Process Control (APC) Online	Batch Advanced Process Control (APC) Online	Advanced Process Control (APC) Performance Monitor	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client)	Aspen Process Recipe & Aspen Process Sequencer (server)
32-bit Oracle Java 17 JDK LTS							
64-bit Oracle Java 17 JDK LTS					√46		
64-bit Oracle Java 11 JDK LTS					√46		
32-bit Oracle Java 8 JDK LTS							
64-bit Oracle Java 8 JDK LTS							
32-bit Eclipse Temurin OpenJDK Java 21 JRE LTS							
64-bit Eclipse Temurin OpenJDK Java 21 JRE LTS							
32-bit Eclipse Temurin OpenJDK Java 17 JRE LTS							
64-bit Eclipse Temurin OpenJDK Java 17 JRE LTS					✓		
32-bit Eclipse Temurin OpenJDK Java 11 JRE LTS							
64-bit Eclipse Temurin OpenJDK Java 11 JRE LTS			✓		✓		
64-bit Eclipse Temurin OpenJDK Java 8 JRE LTS							
Python 3.12							
Python 3.11							
Python 3.10							
Python 3.9							
Visual Studio 2022							
Visual Studio 2019	✓	√	√	✓	✓	✓	✓
Visual Studio 2017							
Visual Studio 2015							
Visual Studio 2010 Tools for Office Runtime							
Microsoft Visual C++ Redistributable 2022							
Microsoft Visual C++ Redistributable 2019	✓	√	√	✓	✓	√	✓
Microsoft Visual C++ Redistributable 2017	✓	√	√	✓	✓	✓	✓
Microsoft Visual C++ Redistributable 2015							

Suite		Manu	facturin	ıg & Sup	Manufacturing & Supply Chain Suite					
		A	dvanced	Process C	ontrol (A	APC)				
V15 Platform Specifications that are supported	Advanced Process Control (APC) Desktop	Advanced Process Control (APC) Online	Batch Advanced Process Control (APC) Online	Advanced Process Control (APC) Performance Monitor	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client)	Aspen Process Recipe & Aspen Process Sequencer (server)			
Microsoft Visual C++ Redistributable 2013										
Microsoft MPI 8.1										
IBM Platform MPI 9.0.1										
Virtualization										
Microsoft Hyper-V (Server)	✓	✓	✓	✓	✓	✓	✓			
VMware ESXi Hypervisor Server 8.x (Server)	✓	✓	✓	✓	✓	✓	✓			
VMWare vSphere Enterprise Plus										
Microsoft Terminal Services (Desktop)	✓					✓				
Citrix Virtual Apps and Desktops 7.1912 (Desktop)										
Web Browsers										
Microsoft Edge ²⁵	√	✓	✓	✓	✓	✓	✓			
Google Chrome Evergreen Version 75+	√	√	✓	√	✓	✓	✓			
Firefox										
Chrome on iOS 14+ for iPad Support										
Safari on iOS 14+ for iPad Support										
Android 10+										
Security Components/Services										
AZURE AD										
Aspen Framework (AFW) 5	√		√		√	√	√			
TLS 1.2										
TLS 1.3										
Java App (Sonjore)										
Java App (Servers) Apache Tomcat 11.x										
Apache Tomcat 10.x										
Native Web Servers										
IIS 10					√9					
Reporting Services					,					
Microsoft Report Viewer 2015										

Suite		Manu	facturin	ıg & Sup	ply Cha	in Suite	
		A	dvanced	Process C	ontrol (A	IPC)	
V15 Platform Specifications that are supported	Advanced Process Control (APC) Desktop	Advanced Process Control (APC) Online	Batch Advanced Process Control (APC) Online	Advanced Process Control (APC) Performance Monitor	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client)	Aspen Process Recipe & Aspen Process Sequencer (server)
Microsoft SQL Server 2014/2016/2017/2019/2020/2022 Reporting Services							
Integration Components							
Aspen Supply Chain Connect							
Informatica Powercenter 10.5.4							
Cloud Support *							
Azure VM (Microsoft)	✓						
AWS VM (Amazon)							
Azure VM - Linux							
Azure SQL Managed Instance (SQL MI) 2022							
Azure Virtual Desktop (AVD)	✓						
AWS RDS (SQL)							
Azure SQL							
Deployment Tools							
SCCM							
Supported Versions of Fortran							
Intel Visual FORTRAN 2024.2 FX							
FORTRAN 2021	✓	✓		✓	✓		
Container Support							
Docker Engine-Enterprise 23.x							
Docker Compose 2.10.x							
Desktop Types - Minimum Required							
Type I: Computer & processor: Intel Core-i5 family or faster Memory (RAM in GB): 16 Hard Disk (GB): 120 Free Space - SSD recommended Monitor. Graphics hardware acceleration requires a DirectX10 graphics card and a 1440 x 900 or higher resolution monitor Network (MB/s): 100Mbps	✓					√	
Type II: Computer & processor: Intel Core-i5 family or faster Memory (RAM in GB): 16 Hard Disk (GB): 250 Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a 1440 x 900 or higher resolution monitor Network (MB/s): 100Mbps							

Suite		Manu	facturin	ıg & Sup	ply Cha	in Suite	
		A	dvanced	Process C	ontrol (A	PC)	
V15 Platform Specifications that are supported	Advanced Process Control (APC) Desktop	Advanced Process Control (APC) Online	Batch Advanced Process Control (APC) Online	Advanced Process Control (APC) Performance Monitor	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client)	Aspen Process Recipe & Aspen Process Sequencer (server)
Type III: Computer & processor: 4CPU >= 2.8GHz (turbo max 3.2 preferred) Memory (RAM in GB): 16 Hard Disk (GB): 500 Hard Disk (GB): 500 900 or higher resolution monitor Network (MB/s): 100Mbps							
Type IV: 2 x Intel Xeon 3.9GHz 8-core Memory (RAM in GB): 64GB Hard Disk (GB): 356 GB SSD Graphics Card: NVIDIA RTX A4000 GPU Monitor. 2 x 27" UHD monitors Network (MB/s): 100Mbps							
Server Types - Minimum Recommended							
Type I: 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 in GB): 16 + for standalone deployment, 32+ for multi-user environment Hard Disk (GB): 150 for standalone deployment, 300 for multi-user environment Monitor. Graphics hardware acceleration requires a DirectX10 graphics card and a 1440 x 900 or higher resolution monitor Network: 100 Mbps			√				
Type II: Computer & processor: Intel Xeon Gold series type system (4 cores) or faster Memory (RAM in GB): 16 + Hard Disk (GB): 300 + Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a 1440 x 900 or higher resolution monitor Network: 100 Mbps		√9			√9		✓
Type III: Computer & processor: Intel Cascade Lake-based Xeon processor with 8 cores or more per processor Memory (RAM in GB): 32 or above gigabytes (GB) RAM Hard Disk (GB): 500 gigabytes (GB) or more available Monitor. Graphics hardware acceleration requires a DirectX10 graphics card and a 1440 x 900 or higher resolution monitor Network: 100Mpbs (Gigabyte network recommended)				√9			
Type IV: (IIoT Gateways) Computer & processor: ARM or Intel based CPU or more Memory (RAM in GB): 256Mb or more Hard Disk (GB): 100 GB or more							
Type V Windows Server 2019 v1809+ Memory (RAM in GB): Minimum: 16 Recommended: 32 Cores: Minimum: 4, Recommended: 8 Disk space (GB): Minimum: 64, Recommended: 100 Network: Minimum: 50, Recommended: 100 Mbps							
Type VI Computer & processor: Intel Xeon E class processor or equivalent with dual core min. Memory (RAM in GB): Minimum: 4 Hard Disk (GB): Minimum 50. High IOPS drive, SSD preferred Network: 100 Mbps							

Suite		Manu	facturin	ıg & Sup	ply Cha	in Suite	
		A	dvanced	Process C	ontrol (A	APC)	
V15 Platform Specifications that are supported	Advanced Process Control (APC) Desktop	Advanced Process Control (APC) Online	Batch Advanced Process Control (APC) Online	Advanced Process Control (APC) Performance Monitor	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client)	Aspen Process Recipe & Aspen Process Sequencer (server)
Type VII Computer & processor: Intel Xeon E class processor or equivalent with dual core min. Memory (RAM in GB): 8 + Hard Disk (GB): 100 GB min. High IOPS drive, SSD preferred Network: 100Mpbs							
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: C Drive: 100, Drive D / E: 50 GB Network: 100 Mbps							
Type XIV Supports 100 concurrent users: Computer & processor: 16 vCPU >+ 2.2 GHz Memory (RAM in GB): 32 Hard Disk (GB): 100 Network: 100 Mbps							
Type XV Computer & processor: 16 vCPU >+ 2.2 GHz Memory (RAM in GB): 32 Hard Disk (GB): 100Mbps							

Suite		Manufacturing & Supply Chain Suite									
		A	dvanced	Process C	ontrol (A	PC)					
V15 Platform Specifications that are supported	Advanced Process Control (APC) Desktop	Advanced Process Control (APC) Online	Batch Advanced Process Control (APC) Online	Advanced Process Control (APC) Performance Monitor	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client)	Aspen Process Recipe & Aspen Process Sequencer (server)				
Type XVI Computer & processor: 16 CPU Memory (RAM in GB): 64 or above gigabytes (GB) RAM Hard Disk (GB): 2000 gigabytes (GB) or more available Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a 1440 x 900 or higher resolution monitor Network: 100Mpbs (Gigabyte network recommended)											
Type XVII Computer & processor: 32 CPU Memory (RAM in GB): 256 or above gigabytes (GB) RAM Hard Disk (GB): 2000 gigabytes (GB) or more available Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a 1440 x 900 or higher resolution monitor Network: 100Mpbs (Gigabyte network recommended)											
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.	DMCplus, A Performanc	spen DMC3 e Monitor, A	, Aspen Wate Aspen RTO W	te consists of ch Performand Vatch Perform cess Recipe &	ce Monitor, A	Aspen PID W or, Batch APC	/atch C, Aspen				

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

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

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

Suite		Manu	facturin	g & Sup	ply Cha	in Suite					
	Advanced Process Control (APC)										
V15 Platform Specifications that are supported	Advanced Process Control (APC) Desktop	Advanced Process Control (APC) Online	Batch Advanced Process Control (APC) Online	Advanced Process Control (APC) Performance Monitor	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client)	Aspen Process Recipe & Aspen Process Sequencer (server)				
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.											
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.											
When Aspen Utility model is driven by Aspen Online using Local System Account, then SQL Express 2014 is required.											
When Exchanger Design and Rating is driven by Aspen Online using Local System Account, then SQL Express 2014 is required											
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.											
13 Refer to KB 50134 For more information on configuring SCM products using Azure and AWS: https://esupport.aspentech.com/S_Article?id=000050134											
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											
Non-English OS's are not supported SLM supported in cloud (Azure VM/Amazon VM) for ENG products that are supported in the cloud											

Suite		Manu	facturin	g & Sup	ply Chai	n Suite			
	Advanced Process Control (APC)								
V15 Platform Specifications that are supported	Advanced Process Control (APC) Desktop	Advanced Process Control (APC) Online	Batch Advanced Process Control (APC) Online	Advanced Process Control (APC) Performance Monitor	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client)	Aspen Process Recipe & Aspen Process Sequencer (server)		
If FIPS is enabled, aspenONE Exchange users must have the latest Windows date patches installed on their machine.					4				
21 Office 365 - 32-bit support only									
Server-grade systems are not required but still supported.									
23 Browser Support as it relates to Knowledge Delivery only									
ATOMS Web does not support Oracle									
15 Only the version of MS Edge that uses the Google Chrome engine is supported									
Maestro supports Windows Server 2019 version 1809+									
7 WVD Certification Notes – Publishing WVD apps to users local machine start menu not supported Interoperability with 3rd party products only supported with Office 365 Aspen Properties Enterprise Database (APED) via SQL Server not supported The following products have not been certified for WVD: ABE, ABPD, AVCA									

Suite		Manu	facturir	ıg & Sup	ply Chai	in Suite			
	Advanced Process Control (APC)								
V15 Platform Specifications that are supported	Advanced Process Control (APC) Desktop	Advanced Process Control (APC) Online	Batch Advanced Process Control (APC) Online	Advanced Process Control (APC) Performance Monitor	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client)	Aspen Process Recipe & Aspen Process Sequencer (server)		
APEM does not support CDB-PDB database in Oracle 19. Weigh & Dispense Client 32-bit does not support Oracle									
SCCM support for APEx only 30 APM Insights must be installed on the same server as AEI. 31 When you have more than 8 simultaneous users, the recommendation is 2CPU's and 4GB RAM per user. Performance will vary based on product and usage profiles. This can be considered a starting point for large multi-user machines.									
OptiPlant requires a graphic card which supports OpenGL 4.1 Includes support for Windows Server Datacenter Browser support for AFO Connect									
Type II is the minimum recommended when IP.21 is used with Aspen Enterprise IP.21 Historian Small SLM Server Medium SLM Server									
This Application Should be installed on a dedicated Web Server. The Aspen Properties component, required in Mell, is not supported in Azure SQL. SQL Express can be used for these databases as an alternative									
42 "Desktop Experience" installation of Windows Server. Windows Server installers present the option to install with or without "Desktop Experience". For GDOT, "Desktop Experience" is required.									
SQL is needed for S3D Layout, SQL versions 2014 and 2016 are supported by Hexagon 44 Resolution no higher than 1920x1080 45 Refer to the AspenTech Lifecycle Knowledge Base article to see a reference to the supported Windows Server upgrade path: https://esupport.aspentech.com/S_ProductLifecyclePolicy									

Suite		Manufacturing & Supply Chain Suite								
	Advanced Process Control (APC)									
V15 Platform Specifications that are supported	Advanced Process Control (APC) Desktop	Advanced Process Control (APC) Online	Batch Advanced Process Control (APC) Online	Advanced Process Control (APC) Performance Monitor	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client)	Aspen Process Recipe & Aspen Process Sequencer (server)			
46 The selected product uses Java 11 JRE as Oracle do not have an option to download JRE, please use Oracle JDK download					•					
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.										
48 Only Excel Document template does require Excel										
49 Only Core service requires MongoDB										
50 Applicable only for OpenviewNET client applications that connect to the										
Operational Insights server.										
51 Applicable only for Aspen Mtell Client applications like Aspen Mtell Agent										
Builder and Aspen Mtell System Manager. Aspen Mtell Server is recommended to										
be hosted on a Server class operating system.										
52 Applicable only for users who write custom Loglan code when using V14.5 and										
above versions.										
53. Only SQL security is supported for AWS RDS (SQL) databases. AspenProperties										
databases must be installed locally. Contact support for assistance with Mtell AWS										
RDS setup										
54. Office 365 - 64-bit support only	1									
55. Office 365 - 64-bit support only	1									
5/12/2025	1									