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Suite	Manufacturing & Supply Chain Suite						
V15 Platform Specifications that are supported	Advanced Process Control (APC)						
	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)						
	Windows 11 Enterprise & Professional (64-bit)	✓				✓	
	Windows 10 Enterprise & Professional (64-bit)	✓				✓	
	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							
Microsoft SQL Server 2022 (Enterprise/Standard Edition)							✓
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							

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	.NET 8.0.10						
	Aspen AIoT Cloud libraries						
	ASP.NET Core 8.0.10						
	32-bit Oracle Java 21 JDK LTS						
	64-bit Oracle Java 21 JDK LTS		✓		✓		
	32-bit Oracle Java 17 JDK LTS						
	64-bit Oracle Java 17 JDK LTS						
64-bit Oracle Java 11 JDK LTS							
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							
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							

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	Aspen Framework (AFW) 5	✓		✓		✓	✓
	TLS 1.2						
	TLS 1.3						
	Java App (Servers)						
	Apache Tomcat 11.x						
	Apache Tomcat 10.x						
	Native Web Servers						
IIS 10					✓ ⁹		
Reporting Services							
Microsoft Report Viewer 2015							
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) ²⁷	✓						
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							
Type III: Computer & processor: 4CPU >= 2.8GHz (turbo max 3.2 preferred) Memory (RAM in GB): 16 Hard Disk (GB): 500 Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a 1440 x 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							

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	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: 100Mbps (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						
	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: 100Mbps						
	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						

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20 If FIPS is enabled, aspenONE Exchange users must have the latest Windows Update patches installed on their machine.							
21 Office 365 - 32-bit support only							
22 Server-grade systems are not required but still supported.							
23 Browser Support as it relates to Knowledge Delivery only							
24 ATOMS Web does not support Oracle							
25 -Only the version of MS Edge that uses the Google Chrome engine is supported							
26 Maestro supports Windows Server 2019 version 1809+							
27 WVD Certification Notes – 1. Publishing WVD apps to users local machine start menu not supported 2. Interoperability with 3rd party products only supported with Office 365 3. Aspen Properties Enterprise Database (APED) via SQL Server not supported 4. The following products have not been certified for WVD: ABE, ABPD, AVCA							
28 APEM does not support CDB-PDB database in Oracle 19. Weigh & Dispense Client 32-bit does not support Oracle							
29 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.							
32 OptiPlant requires a graphic card which supports OpenGL 4.1							
33 Includes support for Windows Server Datacenter							
34 Browser support for AFO Connect							
35 Type II is the minimum recommended when IP.21 is used with Aspen Enterprise IP.21 Historian							
36 Small SLM Server							
37 Medium SLM Server							
38 Large SLM Server							
39 These applications can run on a desktop, but it is recommended to run models on a server and have users connect via Citrix or Terminal Services.							
40 This Application Should be installed on a dedicated Web Server.							
41 The recommended Azure SQL infrastructure option is Azure Managed Instance. For assistance with database creation scripts, please contact AspenTech Support. The Aspen Properties component, required in Mtell, 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.							
43 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							
46 The selected product uses Java 11 JRE as Oracle do not have an option to download JRE, please use Oracle JDK download							

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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.						
	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							
55. Office 365 - 64-bit support only							
5/12/2025							