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Suite	Asset Performance Management								
V14.2 Platform Specifications that are supported	Aspen Mtell (MTELL) ¹⁶		Aspen Fidelis	Aspen ProMV 64-bit ¹⁶	Aspen ProMV Online Server 64-bit ¹⁶	Aspen ProMV Online Client 64-bit	Aspen Unscrambler	Aspen Unscrambler HSI	Aspen Process Pulse
	Aspen Mtell - Small/Medium Deployment	Aspen Mtell - Enterprise Deployment							
Operating Systems (64-bit only)									
Windows 11	✓	✓	✓	✓		✓	✓	✓	✓
Windows 10 Enterprise & Professional (64-bit)	✓	✓	✓	✓		✓	✓	✓	✓
Windows Server 2022 ^{33, 45}	✓ ²⁶	✓ ²⁶	✓	✓	✓	✓	✓	✓	✓
Windows Server 2019 ^{33, 45}	✓ ²⁶	✓ ²⁶	✓	✓	✓	✓	✓	✓	✓
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)			✓	✓					
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)					✓				✓ ³¹
Microsoft SQL Server 2017 (Enterprise/Standard Edition)	✓	✓			✓				✓

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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)	✓	✓			✓				
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									

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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									

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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									
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+									

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- 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 AEL.
- 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
- 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
- 40** This Application Should be installed on a dedicated Web Server.
- 41** Require db needs to be created in MS SQL using Mtell and then migrated to the target platform
- 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
- 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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	48 Only Excel Document template does require Excel								
	49 Only Core service requires MongoDB								
	2/27/2023								