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Suite	S	Subsurface	Science	& Engine	ering (SS	SE)
V14.5 Platform Specifications that are supported	Aspen Geolog Standalone	Aspen SKUA Standalone	Aspen OpsLink	Aspen RMS	Aspen Tempest	Aspen METTE
Operating Systems (64-bit only)						
Windows 11 Enterprise & Professional (64-bit)	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Windows 10 Enterprise & Professional (64-bit)	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Windows Server 2022 ^{33, 45}	\checkmark	\checkmark		\checkmark		
Windows Server 2019 33, 45	\checkmark	\checkmark		\checkmark		\checkmark
Windows Server 2016 ^{33, 45}						
Ubuntu Server Edition 20.04 LTS						
Ubuntu Server Edition 18.04 LTS						
Ubuntu Server Edition 16.04 LTS						
RedHat Enterprise Linux 8.8+	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Microsoft Office						
Office 365 (Desktop/Click-to-run) (32-bit/64-bit)						
Office 2021 (64-bit)		✓ ⁵⁰				
Office 2021 (32-bit)						
Office 2019 (64-bit)		✓ ⁵⁰				
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)						

Suite	Subsurface Science & Engineering (SSE)								
V14.5 Platform Specifications that are supported	Aspen Geolog Standalone	Aspen SKUA Standalone	Aspen OpsLink	Aspen RMS	Aspen Tempest	Aspen METTE			
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 13.2									
Oracle Database 19.x.x 64-bit									
MongoDB Database 5.0.x 64-bit									
MongoDB Database 6.0.x 64-bit									
Database Clients									
Oracle Client 19.x 32-bit									
Oracle Client 19.x 64-bit									
Runtimes									
.NET Framework 4.8									
.NET Framework 4.6									
.NET 8.x						\checkmark			
Aspen AloT Cloud libraries									
ASP.NET Core 8.x									
32-bit Oracle Java 17 JDK LTS									
64-bit Oracle Java 17 JDK LTS			\checkmark		\checkmark				
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 17 JRE LTS									
64-bit Eclipse Temurin OpenJDK Java 17 JRE LTS			\checkmark		\checkmark				
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	\checkmark	\checkmark		\checkmark	\checkmark				

Suite	Subsurface Science & Engineering (SSE)						
V14.5 Platform Specifications that are supported	Aspen Geolog Standalone	Aspen SKUA Standalone	Aspen OpsLink	Aspen RMS	Aspen Tempest	Aspen METTE	
Python 3.11							
Python 3.10							
Python 3.9							
Visual Studio 2022	√ 52	√ ⁵²	√ ⁵²	√ ⁵²	√ 52	√ ⁵²	
Visual Studio 2019							
Visual Studio 2017							
Visual Studio 2015							
Visual Studio 2010 Tools for Office Runtime							
Microsoft Visual C++ Redistributable 2022	\checkmark	\checkmark		\checkmark			
Microsoft Visual C++ Redistributable 2019	\checkmark	\checkmark		\checkmark			
Microsoft Visual C++ Redistributable 2017				\checkmark			
Microsoft Visual C++ Redistributable 2015				\checkmark		\checkmark	
Microsoft Visual C++ Redistributable 2013		\checkmark					
Microsoft MPI 8.1					\checkmark		
IBM Platform MPI 9.0.1					\checkmark		
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		\checkmark	\checkmark	\checkmark			
Google Chrome Evergreen Version 75+		\checkmark	\checkmark	\checkmark			
Firefox		\checkmark	\checkmark	\checkmark			
Chrome on iOS 14+ for iPad Support							
Safari on iOS 14+ for iPad Support							
Android 10+ Security Components/Services							

Suite	Subsurface Science & Engineering (SSE)							
V14.5 Platform Specifications that are supported	Aspen Geolog Standalone	Aspen SKUA Standalone	Aspen OpsLink	Aspen RMS	Aspen Tempest	Aspen METTE		
AZURE AD								
Aspen Framework (AFW) 5								
TLS 1.2	\checkmark	\checkmark	\checkmark	\checkmark				
TLS 1.3	\checkmark	\checkmark	\checkmark	\checkmark				
Java App (Servers)								
Apache Tomcat 9.x								
Native Web Servers								
IIS 10								
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 10.5.2								
Cloud Support *		-51						
Azure VM (Microsoft)	\checkmark	√ ⁵¹						
AWS VM (Amazon)	\checkmark	√ ⁵¹						
Azure VM - Linux	\checkmark	√ ⁵¹						
Azure Virtual Desktop (AVD) 27								
AWS RDS (SQL)								
Azure SQL								
Deployment Tools								
SCCM								
Supported Versions of Fortran								
FORTRAN 2021								
Container Support								
Docker Engine-Enterprise 19.03.x								
Docker Compose 1.26.x								
Desktop Types - Minimum Required								

Suite	S	Subsurface	Science	& Enginee	ering (SS	SE)
V14.5 Platform Specifications that are supported	Aspen Geolog Standalone	Aspen SKUA Standalone	Aspen OpsLink	Aspen RMS	Aspen Tempest	Aspen METTE
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			\checkmark			
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			~			\checkmark
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			\checkmark			\checkmark
Type IV: 2 x Intel Xeon 3.9GHz 8-core Memory (RAM in GB): 64GB Hard Disk (GB): 356 GB SSD Graphics Card: NVIDLA RTX A6000 GPU Monitor: 2 x 27" UHD monitors Network (NB/s): 100Mbps	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
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						
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)						

Suite	Subsurface Science & Engineering (SSE)							
V14.5 Platform Specifications that are supported	Aspen Geolog Standalone	Aspen SKUA Standalone	Aspen OpsLink	Aspen RMS	Aspen Tempest	Aspen METTE		
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: 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: 100Mpbs 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								

Suite	Subsurface Science & Engineering (SSE)							
V14.5 Platform Specifications that are supported	Aspen Geolog Standalone	Aspen SKUA Standalone	Aspen OpsLink	Aspen RMS	Aspen Tempest	Aspen METTE		
Type X1V 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								
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 (GD) 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.	Aspen Geolo	™, Aspen EarthS og™, Aspen RMS 'E™, Aspen Epos	™, Aspen SKU					
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. 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.								

Suite	Subsurface Science & Engineering (Subsurface Science & Engineering (SSE)			
V14.5 Platform Specifications that are supported	Aspen Geolog Standalone	Aspen SKUA Standalone	Aspen OpsLink	Aspen RMS	Aspen Tempest	Asnen METTF					
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.											
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											
16 Non-English OS's are not supported											

Aspen METTE

Suite	S	Subsurface	Science	& Enginee	ering (SS	E)
V14.5 Platform Specifications that are supported	Aspen Geolog Standalone	Aspen SKUA Standalone	Aspen OpsLink	Aspen RMS	Aspen Tempest	
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	1					
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 –						

Aspen METTE

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	9	Subsurface	Science	& Engine	ering (SS	SE)
V14.5 Platform Specifications that are supported	Aspen Geolog Standalone	Aspen SKUA Standalone	Aspen OpsLink	Aspen RMS	Aspen Tempest	Aspen METTE
28 APEM does not support CDB-PDB database in Oracle 19. Weigh & Dispense Client 32-bit does not support Oracle		I			1	
 29 SCCM support for APEx only 30 APM Insights must be installed on the same server as AEI. 31 units of the same server as AEI. 						
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 Azure Managed Instance is the recommended option for Azure SQL infrastructure. For assistance with database creation scripts, please contact the AspenTech Support team.						
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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V14.5 Platform Specifications that are supported	Aspen Geolog Standalone	Aspen SKUA Standalone	Aspen OpsLink	Aspen RMS	Aspen Tempest	Aspen METTE
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. 11/18/2024