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Suite	Manufacturing & Supply Chain Suite						
V15 Platform Specifications that are supported	Petroleum Supply Chain (PSC)						
	Aspen Unified PIMS	Aspen Unified Scheduling	Petroleum Supply Chain Planner (PSCP/DPO)	Aspen Petroleum Scheduler (APS)	Multi-Blend Optimizer (MBO)	Aspen PIMS	Aspen Verify
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)	✓	✓	✓	✓	✓	✓	✓

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	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	✓ ¹²	✓ ¹²	✓ ¹²	✓ ¹²	✓ ¹²	✓ ¹²	✓ ¹²
SQL Server 2014 -2019 Analysis Services							
PostgreSQL 16.8							
PostgreSQL 13.2							

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	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							
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							

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	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							

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	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	✓	✓	✓ ²³	✓ ²³	✓ ²³	✓ ²³	✓ ²³
Google Chrome Evergreen Version 75+	✓	✓	✓ ²³	✓ ²³	✓ ²³	✓ ²³	✓ ²³
Firefox							
Chrome on iOS 14+ for iPad Support							
Safari on iOS 14+ for iPad Support							
Android 10+							
Security Components/Services							

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	Azure AD						
	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							
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							

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	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	✓	✓	✓	✓	✓	✓	✓

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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							
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: 100Mbps (Gigabyte network recommended)							

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	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						

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	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						
	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: 100Mbps (Gigabyte network recommended)						

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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: 100Mbps (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. 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. For SLM server using Type 1 Desktop configuration, the minimum memory is 4GB with 20GB hard drive.							
				Petroleum Supply Chain (PSC) suite consists of the following products: Aspen Unified PIMS, Aspen Unified Scheduling, Petroleum Supply Chain Planner (PSCP), Aspen Petroleum Scheduler (APS), Multi-Blend Optimizer (MBO), PIMS, Aspen Verify			

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