

Suite	Manufacturing & Supply Chain Suite									
V14 Platform Specifications that are supported	Petroleum Supply Chain (PSC)									
	Aspen Unified	Petroleum Supply Chain Planner (PSCP/DPO)	Aspen Petroleum Scheduler (APS)	Multi-Blend Optimizer (MBO)	PIMS	Aspen Verify	Aspen Fleet Optimizer (AFO) Web Server	AFO Connect	Aspen Fleet Optimizer (AFO) (Retail)	
Operating Systems (64-bit only)										
Windows 11	✓	✓	✓	✓	✓	✓		✓	✓	
Windows 10 Enterprise & Professional (64-bit)	✓	✓	✓	✓	✓	✓		✓	✓	
Windows Server 2022 ^{33, 45}	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Windows Server 2019 ^{33, 45}	✓	✓	✓	✓	✓	✓	✓	✓	✓	
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)	✓		✓	✓	✓	✓				
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)	✓		✓	✓	✓	✓				
Microsoft SQL Server 2014 (Enterprise/Standard Edition)	✓ ⁴⁷	✓	✓	✓	✓	✓	✓		✓	
Microsoft SQL Server 2014 (Express Edition)	✓ ⁴⁷		✓	✓	✓	✓				
SQL Server 2019 Local DB	✓ ¹²	✓ ¹²	✓ ¹²	✓ ¹²	✓ ¹²	✓ ¹²				
SQL Server 2014 -2019 Analysis Services										
PostgreSQL 13.2										
Oracle Database 19.x.x 64-bit			✓	✓			✓		✓	
Database Clients										

Suite	Manufacturing & Supply Chain Suite									
V14 Platform Specifications that are supported	Petroleum Supply Chain (PSC)									
	Aspen Unified	Petroleum Supply Chain Planner (PSCP/DPO)	Aspen Petroleum Scheduler (APS)	Multi-Blend Optimizer (MBO)	PIMS	Aspen Verify	Aspen Fleet Optimizer (AFO) Web Server	AFO Connect	Aspen Fleet Optimizer (AFO) (Retail)	
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								✓ ³⁴		
Android 10+										
Security Components/Services										
Aspen Framework (AFW) 5					✓					
TLS 1.2	✓	✓	✓	✓	✓	✓				
TLS 1.3	✓	✓	✓	✓	✓	✓				
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		✓	✓	✓	✓					
Load Balancing										
FS Load Balancing										
Integration Components										
Aspen Supply Chain Connect										
Informatica Powercenter 10.5.2										
Cloud Support *										
Azure VM (Microsoft)	✓	✓	✓	✓	✓	✓				
AWS VM (Amazon)										
Azure VM - Linux										
Azure Virtual Desktop (AVD) ²⁷		✓	✓		✓					
AWS RDS (SQL)										
Azure SQL	✓	✓	✓	✓	✓	✓				
Deployment Tools										
SCCM										
Supported Versions of Fortran										

Suite	Manufacturing & Supply Chain Suite									
V14 Platform Specifications that are supported	Petroleum Supply Chain (PSC)									
	Aspen Unified	Petroleum Supply Chain Planner (PSCP/DPO)	Aspen Petroleum Scheduler (APS)	Multi-Blend Optimizer (MBO)	PIMS	Aspen Verify	Aspen Fleet Optimizer (AFO) Web Server	AFO Connect	Aspen Fleet Optimizer (AFO) (Retail)	
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: 100 Network: 10 Mbps										
Type XIV 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										

Notes

Suite	Manufacturing & Supply Chain Suite									
V14 Platform Specifications that are supported	Petroleum Supply Chain (PSC)									
	Aspen Unified	Petroleum Supply Chain Planner (PSCP/DPO)	Aspen Petroleum Scheduler (APS)	Multi-Blend Optimizer (MBO)	PIMS	Aspen Verify	Aspen Fleet Optimizer (AFO) Web Server	AFO Connect	Aspen Fleet Optimizer (AFO) (Retail)	
<p>* 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.</p> <p>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.</p> <p>Cloud deployment does not change any license restrictions, including the restrictions on which regions can access the software.</p>	<p>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, Aspen Fleet Optimizer (AFO) Web Server, AFO Connect, Aspen Fleet Optimizer (Retail)</p>									
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										
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.										

Suite	Manufacturing & Supply Chain Suite									
V14 Platform Specifications that are supported	Petroleum Supply Chain (PSC)									
	Aspen Unified	Petroleum Supply Chain Planner (PSCP/DPO)	Aspen Petroleum Scheduler (APS)	Multi-Blend Optimizer (MBO)	PIMS	Aspen Verify	Aspen Fleet Optimizer (AFO) Web Server	AFO Connect	Aspen Fleet Optimizer (AFO) (Retail)	
39	These applications can run on a desktop, but it is recommended to run models on a server									
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.									

10/25/2022