

Note: 32-bit systems are no longer supported in V9 (exception is SLM)

aspenONE Engineering V9 Supported Platforms

Below are the supported platforms for aspenONE Engineering V9. The left column shows supported platforms on a desktop system and the right column shows supported platforms on a server system.

V9 Supported Desktop Platforms
Supported Operating Systems:
Windows 10 Professional (64-bit)
Windows 8.1 Update Professional and Enterprise (64-bit)
Windows 7 SP1 Professional and Enterprise (64-bit)
If FIPS is enabled, aspenONE Exchange users must have the latest Windows Update patches installed on their machine.
Required Runtimes
.NET Framework 4.6
.NET Framework 4.5.2
.NET Framework 3.5 (for SLM)
Java 8 JDK (Only required for Economic Evaluation)
Flash 10 (Required for aspenONE Exchange training videos)
Visual Studio Tools for Office 2010 (Required for Aspen Batch Process Developer)
Supported Web Browsers
Internet Explorer 10 or 11
Google Chrome Version 49 (Only supported by aspenONE Web Server)
Supported Database Clients
Microsoft SQL Server Express 2014 SP1
Microsoft SQL Server Express 2012 SP2
Microsoft SQL Server Express 2008 R2 SP2
Supported Microsoft Office
Microsoft Office 365 ProPlus (Desktop deployments only, 32-bit only)
Microsoft Office 2010 SP2 or 2013 SP1 (32-bit)

V9 Supported Server Platforms
Supported Operating Systems
Windows Server 2012 R2
Windows Server 2008 R2 SP1
If FIPS is enabled, aspenONE Exchange users must have the latest Windows Update patches installed on their machine.
If using aspenONE Exchange on Windows Server 2012 R2, you must select the Desktop Experience option during Windows installation to enable Flash training videos.
Required Runtimes
.NET Framework 4.6
.NET Framework 4.5.2
.NET Framework 3.5 (for SLM)
Java 8 JDK (Only required for Economic Evaluation and aspenONE Web Server)
Flash 10 (Required for aspenONE Exchange training videos)
Supported Web Servers
IIS 8.5 and 7.5 (Only required for aspenONE Web Server)
Supported Database Servers
Microsoft SQL Server 2014 SP1 (Standard and Enterprise)*
Microsoft SQL Server 2012 SP2 (Standard and Enterprise)*
Microsoft SQL Server 2008 R2 SP2 (Standard and Enterprise)*
Oracle Database 12.1.0.2 (Only supported by ABE)
Oracle Database 11.2.0.4 (Only supported by ABE)
* aspenONE Web Server and ABE also support Express editions of these SQL servers.

Supported Reporting Services
Crystal Reports 11 (Only used by Economic Evaluation)
Tablet Support
iOS 9.3 on iPad or Windows 10/8.1 on Microsoft Surface Pro (Tablets only supported for aspenONE Web Server)
SLM Server
Your Aspen SLM server must be installed and running prior to installing any V9 product.

EDR does not use any database servers. Deploys its own Access DB files.
Required Java App Servers
Apache Tomcat 8.0.21 (Only required for aspenONE)
Required Security Frameworks
Microsoft Active Directory/Domain Services (Required for aspenONE Web Server)
SLM Server
Your Aspen SLM server must be installed and running prior to installing any V9 product.

The V9 aspenONE Engineering suite consists of the following products: Aspen Plus family, Aspen HYSYS family, Aspen Exchanger Design & Rating (EDR), Aspen Economic Evaluation (EE), Aspen Basic Engineering (ABE), aspenONE Web Server, and aspenONE Exchange.

aspenONE Manufacturing and Supply Chain V9 Supported Platforms

Below are the supported platforms for aspenONE Manufacturing and Supply Chain V9.

Supported Desktop Platforms – Includes APC, MES, PSC and SCM Desktops

V9 Supported Desktop Platforms	
Supported Operating Systems:	Supported Database Clients
Windows 10 Professional (64-bit) (Exception is APC Family - Only APC Builder supports Windows 10)	Oracle Database 12.1.0.2 (Supported on MES, PSC, and SCM suites)
Windows 8.1 Update Professional & Enterprise (64-bit)	Oracle Database 11.2.0.4 (Supported on MES, PSC, and SCM suites)
Windows 7 SP1 Professional & Enterprise (64-bit)	Oracle Client 11.2.0.4 or 12.1.0.2 (32-bit) must be installed to access data available from a compatible Oracle Server 11.2.0 or 12.1.0.
Supported Web Browsers	Microsoft SQL Server Express 2014 SP1 (Only supported by PSC suite)
Internet Explorer 10 or 11 (Must be in compatibility mode for CDM and Aspen Process Sequencer)	Microsoft SQL Server Express 2012 SP2 (Only supported by PSC suite)
Google Chrome Version 49 (Only supported by MES suite, aspenONE PIMS Platinum, and APC Suite, except for Aspen Process Sequencer in the APC suite.)	Microsoft SQL Server Express 2008 R2 SP2 (Only supported on APC suite and PSC suite).
Safari on iOS 9.3 (Only supported by MES suite, aspenONE PIMS Platinum and CDM Web Client)	Supported Reporting Services
Supported Microsoft Office	Crystal Reports 8.5 (For users building their own custom reports in AORA)
Microsoft Office 365 ProPlus (Desktop deployments only, 32-bit only)	Microsoft SQL Server 2014 Reporting Services (Only supported on PSC and SCM suites)
Microsoft Office 2010 SP2 or 2013 SP1 (32-bit)	Microsoft SQL Server 2012 Reporting Services (Only supported on PSC and SCM suites)
Required Runtimes	Microsoft SQL Server 2008 R2 Reporting Services (Only supported on PSC and SCM suites)
.NET Framework 4.6	Microsoft Report Viewer 2010 SP1 (Only supported on Olefins Scheduler)
.NET Framework 4.5.2	Supported Virtualization (Desktop)
.NET Framework 3.5 (for SLM, APC and MES)	Microsoft Remote Desktop Services (Not supported on PSC suite)
Java 8 JDK (Only required for MES suite)	Citrix XenApp 7.6 (Not supported on APC suite)
Silverlight 5 (Only required for MES suite)	Tablet Support
Visual Studio Tools for Office 2010 (Only required for PSC and MES suites)	iOS 9.3 on iPad or Windows 8.1/Windows 10 on Microsoft Surface Pro (Tablets only supported by aspenONE Process Explorer, aspenONE PIMS Platinum and CDM Web Client)
SLM Server	
Aspen SLM Server must be installed and running on your SLM server prior to installing any V9 product.	

Supported Server Platforms – Includes APC, MES, PSC and SCM Servers

V9 MSC Supported Server Platforms
Supported Operating Systems
Windows Server 2012 R2
Windows Server 2008 R2 SP1
Required Runtimes
.NET Framework 4.6
.NET Framework 4.5.2
.NET Framework 3.5 (for SLM, APC and MES)
Java 8 JDK (Only required for IP.21 Process Browser Graphic Studio)
Silverlight 5 (Only required for MES suite)
Supported Database Servers
Microsoft SQL Server 2014 SP1 Standard & Enterprise
Microsoft SQL Server 2012 SP2 Standard & Enterprise
Microsoft SQL Server 2008 R2 SP2 Standard & Enterprise
Oracle Database 12.1.0.2 (Only supported in MES, PSC, and SCM)
Oracle Database 11.2.0.4 (Only supported in MES, PSC, and SCM)
Oracle Client 11.2.0 or 12.1.0 (32-bit) must be installed to access data available from a compatible Oracle Server 11.2.0 or 12.1.0.
Supported Web Servers
IIS 8.5 and IIS 7.5
Required Java App Servers
Apache Tomcat 8.0.21 (Only required for APEM and RBV in the MES suite)
Required Security Frameworks
Aspen Framework (AFW) 5 (Except for SCM suite)
Microsoft Active Directory / Domain Services (Except for SCM suite)
Aspen Local Security (This can be used for the APC suite)
Supported Virtualization (Server)
Microsoft Hyper-V
VMware ESX Server 5.5.3
SLM Server
Aspen SLM Server must be installed and running on your SLM server prior to installing any V9 product.

The **V9 Advanced Process Control (APC)** suite consists of the following products: Aspen DMCplus, Aspen DMC3, Aspen Process Controller, Aspen Watch Performance Monitor, Aspen Inferential Qualities, Aspen Nonlinear Controller, aspenONE Exchange, and Aspen Process Sequencer.

The **V9 Manufacturing Execution Systems (MES)** suite consists of the following products: InfoPlus.21 (IP.21), Process Explorer, aspenONE Process Explorer, Aspen Production Record Manager (APRM), Aspen Production Execution Manager (APEM), Role-Based Visualization (RBV), Aspen Operations Reconciliation and Accounting (AORA), and Aspen Tank and Operations Manager (ATOM).

The **V9 Petroleum Supply Chain (PSC)** suite consists of the following products: Petroleum Supply Chain Planner (PSCP), Olefins Scheduler, Aspen Petroleum Scheduler (APS), PIMS, and aspenONE PIMS Platinum

The **V9 Supply Chain Management (SCM)** suite consists of the following products: Collaborative Demand Manager (CDM), Plant Scheduler, Supply Planner, Distribution Scheduler, Inventory Planner, Scheduling Insight Planning Board, Supply Chain Analytics and Aspen Supply Chain Connect (ASCC).

aspenONE V9 Virtualization Support

Virtualization Technology		Software License Manager and Aspen Security	Aspen Engineering	aspenONE Infrastructure	Aspen MES	Aspen Advance Process Control	Aspen Plant Operations	aspenONE Supply Chain Management	Aspen Petroleum Supply Chain	Aspen IMOS	Aspen Fleet Optimizer
Operating System Virtualization	VMware ESX Server	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Microsoft Hyper-V	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Presentation Virtualization	Citrix XenApp	No	Yes	No	Yes	No	No	Yes	No	No	Yes
	Microsoft Terminal Services	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Application Virtualization	Microsoft Application Virtualization *	No	Yes ^{1, 2}	No	No	No	No	No	No	No	No

Virtualization Technology		Software Version	Microsoft Windows Host Operating System
Operating System Virtualization	VMware ESX Server	5.5.1	Windows 10 (64-bit), Windows 2008 R2 SP1 & Windows Server 2012 R2 (Clients: Windows 7 Enterprise SP1 (64-bit) and Professional SP1 (64-bit), Windows 8.1 Update Enterprise & Professional (64 bit)
	Microsoft Hyper-V	Built into Windows 2008 R2 SP1 & Windows Server 2012 R2	Windows 10 (64-bit), Windows 2008 R2 SP1 & Windows Server 2012 R2 (Clients: Windows 7 Enterprise SP1 (64-bit) and Professional SP1 (64-bit), Windows 8.1 Update Enterprise & Professional (64 bit)
Presentation Virtualization	Citrix XenApp	Citrix XenApp 7.6	Windows 2008 R2 SP1, Windows Server 2012 R2
	Microsoft Terminal Services	Built into Windows Operating System	Windows 2008 R2 SP1, Windows Server 2012 R2

Application Virtualization	Microsoft Application Virtualization	5.0 SP3	Windows 10 (64-bit), Windows 8.1 Update Enterprise & Professional (64-bit), Windows 7 Enterprise SP1 (64-bit) and Professional SP1 (64-bit)
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*AspenTech provides best practices to assist customers who may use Microsoft Application Virtualization 5.0 for deployment of our products. Implementation of aspenONE applications with Microsoft Application Virtualization requires the user to create packages while accounting for the target computing environment and corporate software deployment policies. Due to external technical reasons beyond our control, AspenTech cannot guarantee support for all possible combinations of product packages, target computing environments and corporate software deployment policy. Please contact Customer Support for assistance.

¹ The following Engineering products support APP-V:

- Process Modeling (Aspen Plus)
- Process Modeling (HYSYS)
- Aspen Properties
- Aspen Flare Analyzer
- Aspen Energy Analyzer
- Aspen Utilities
- Economic Evaluation
- Aspen Exchange Design & Rating
- ABE Client (full install, not upgrade install)
- Aspen Simulation Workbook
- Aspen Remote Simulation Services
- Aspen Online
- Aspen OTS Framework
- Aspen Batch Process Developer

² Process Explorer is the only MSC product that supports APP-V.