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Suite	AI of Things														
V14 Platform Specifications that are supported	Aspen Cloud	Aspen Enterprise Insights	Aspen Cloud Connect	Manufacturing Execution Systems (MES) Desktop Apps	Manufacturing Execution Systems (MES) Admin Tools	aspenONE Web Server	aspenONE Process Explorer Client (A1PE)	InfoPlus.21 (IP.21) Server	Cim-IO Interfaces ¹¹	Aspen Infrastructure(ADSA)	aspenONE Integration Foundation: EIF	aspenONE Integration Foundation:MMDM	Aspen Production Record Manager (APRM) Server	AspenTech Inmation (Core, Relay, Connector, Server)	AspenTech Inmation (Web API, DataStudio)
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)				✓	✓		✓ ¹⁴					✓ ²¹			✓ ⁴⁸
Office 2021 (64-bit)															
Office 2021 (32-bit)				✓	✓		✓ ¹⁴					✓			✓ ⁴⁸
Office 2019 (64-bit)				✓	✓		✓ ¹⁴								✓ ⁴⁸
Office 2019 (32-bit)				✓	✓		✓ ¹⁴					✓			✓ ⁴⁸
Office 2016 (64-bit)				✓	✓		✓ ¹⁴								✓ ⁴⁸
Office 2016 (32-bit)				✓	✓		✓ ¹⁴					✓			✓ ⁴⁸
Office 2013 (32-bit)				✓	✓		✓ ¹⁴					✓			✓ ⁴⁸
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)		✓						✓				✓	✓		
Microsoft SQL Server 2014 (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														✓ ⁴⁹	
Database Clients															
Oracle Client 19.x 32-bit				✓	✓			✓				✓	✓		

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Microsoft Edge ²⁵	✓	✓	✓				✓						✓		
Google Chrome Evergreen Version 75+	✓	✓	✓				✓						✓		
Firefox	✓	✓													
Chrome on iOS 14+ for iPad Support		✓					✓								
Safari on iOS 14+ for iPad Support		✓													
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															
F5 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															
FORTRAN 2021															
Container Support															
Docker Engine-Enterprise 19.03.x															
Docker Compose 1.26.x															
Desktop Types - Minimum Recommended															
Type I: Computer & processor: Intel Core-i5 family or faster Memory (RAM in GB): 16 Hard Disk (GB): 120 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 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															
<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>	Aspen Internet of Things includes the following products: Aspen Data Science Studio, Aspen Cloud, Aspen Enterprise Insights, Aspen Edge Connect, Aspen Cloud Connect, Manufacturing Execution Systems (MES) Desktop Apps, aspenONE Web Server , aspenONE Process Explorer Client (A1PE), InfoPlus.21 (IP.21) Server, Cim-IO Interfaces, Aspen Infrastructure(ADSA), aspenONE Integration Foundation (EIF), aspenONE Integration Foundation (mMDM) and Aspen Production Record Manager (APRM) Server														
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.															

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<p>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.</p>															
<p>4 When Aspen Utility model is driven by Aspen Online using Local System Account, then SQL Express 2014 is required.</p>															
<p>5 When Exchanger Design and Rating is driven by Aspen Online using Local System Account, then SQL Express 2014 is required</p>															
<p>6 Aspen Modeler family supports FORTRAN compiler version 2020</p>															
<p>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.</p>															
<p>8 Must be in compatibility mode for Aspen Process Sequencer</p>															
<p>9 See "Basic Deployment Recommendations" in Appendix C of the Aspen Manufacturing Suite Advanced Process Control Installation Guide.</p>															
<p>10 For new installations of APC Web Server, install IIS and JRE before installing APC Web Server</p>															
<p>11 CIM-IO Interfaces can be installed on 32-bit desktops</p>															
<p>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.</p>															
<p>14 Only Web Download Excel Add-in requires Excel.</p>															
<p>15 Users need to install both the 32-bit and 64-bit Oracle Clients 19.x for building and running reports</p>															
<p>16 Non-English OS's are not supported</p>															
<p>19 SLM supported in cloud (Azure VM/Amazon VM) for ENG products that are supported in the cloud</p>															
<p>20 If FIPS is enabled, aspenONE Exchange users must have the latest Windows Update patches installed on their machine.</p>															
<p>21 Office 365 - 32-bit support only</p>															
<p>22 Server-grade systems are not required but still supported.</p>															
<p>23 Browser Support as it relates to Knowledge Delivery only</p>															
<p>24 ATOMS Web does not support Oracle</p>															
<p>25 Only the version of MS Edge that uses the Google Chrome engine is supported</p>															
<p>26 Maestro supports Windows Server 2019 version 1809+</p>															
<p>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</p>															
<p>28 APEM does not support CDB-PDB database in Oracle 19. Weigh & Dispense Client 32-bit does not support Oracle</p>															
<p>29 SCCM support for APEx only</p>															
<p>30 APM Insights must be installed on the same server as AEI.</p>															

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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															
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															
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															
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.															
48 Only Excel Document template does require Excel															
49 Only Core service requires MongoDB															