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Suite	Manufacturing & Supply Chain Suite						
V15 Platform Specifications that are supported	Advanced Process Control (APC)						
	Advanced Process Control (APC) Desktop	Advanced Process Control (APC) Online	Batch Advanced Process Control (APC) Online	Advanced Process Control (APC) Performance Monitor	Advanced Process Control (APC) Web Server	Aspen Process Recipe (client)	Aspen Process Recipe & Aspen Process Sequencer (server)
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)							
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)							✓

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

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	32-bit Oracle Java 17 JDK LTS						
	64-bit Oracle Java 17 JDK LTS				✓ <sup>46</sup>		
	64-bit Oracle Java 11 JDK LTS				✓ <sup>46</sup>		
	32-bit Oracle Java 8 JDK LTS						
	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							
Microsoft Visual C++ Redistributable 2019	✓	✓	✓	✓	✓	✓	✓
Microsoft Visual C++ Redistributable 2017	✓	✓	✓	✓	✓	✓	✓
Microsoft Visual C++ Redistributable 2015							

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	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 <sup>25</sup>	✓	✓	✓	✓	✓	✓	✓
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							
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					✓ <sup>9</sup>		
Reporting Services							
Microsoft Report Viewer 2015							

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	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							
Azure SQL Managed Instance (SQL MI) 2022							
Azure Virtual Desktop (AVD) <sup>27</sup>	✓						
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): <b>16</b> Hard Disk (GB): <b>500</b> Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a <b>1440 x 900</b> or higher resolution monitor Network (MB/s): <b>100Mbps</b>						
	Type IV: 2 x Intel Xeon 3.9GHz 8-core Memory (RAM in GB): <b>64GB</b> Hard Disk (GB): 356 GB SSD Graphics Card: NVIDIA RTX A4000 GPU Monitor: <b>2 x 27" UHD monitors</b> Network (MB/s): <b>100Mbps</b>						
	Server Types - Minimum Recommended						
	Type I: Computer & processor: Intel Core-i7 family or faster for standalone deployment Intel Xeon Gold series, <b>4</b> cores or more for multi-user environment Memory (RAM in GB): <b>16 +</b> for standalone deployment, <b>32+</b> for multi-user environment Hard Disk (GB): <b>150</b> for standalone deployment, <b>300</b> for multi-user environment Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a <b>1440 x 900</b> or higher resolution monitor Network: <b>100 Mbps</b>		✓				
	Type II: Computer & processor: Intel Xeon Gold series type system (4 cores) or faster Memory (RAM in GB): <b>16 +</b> Hard Disk (GB): <b>300 +</b> Monitor: Graphics hardware acceleration requires a DirectX10 graphics card and a <b>1440 x 900</b> or higher resolution monitor Network: <b>100 Mbps</b>	✓ <sup>9</sup>			✓ <sup>9</sup>		✓
	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: <b>100Mbps</b> (Gigabyte network recommended)			✓ <sup>9</sup>			
Type IV: (IIoT Gateways) Computer & processor: ARM or Intel based CPU or more Memory (RAM in GB): <b>256Mb</b> or more Hard Disk (GB): 100 GB or more							
Type V Windows Server 2019 v1809+ Memory (RAM in GB): Minimum: <b>16</b> Recommended: <b>32</b> Cores: Minimum: <b>4</b> , Recommended: <b>8</b> Disk space (GB): Minimum: 64, Recommended: <b>100</b> Network: Minimum: 50, Recommended: <b>100 Mbps</b>							
Type VI Computer & processor: Intel Xeon E class processor or equivalent with dual core min. Memory (RAM in GB): Minimum: <b>4</b> Hard Disk (GB): Minimum <b>50</b> . High IOPS drive, SSD preferred Network: <b>100 Mbps</b>							

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	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: 8 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: 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						











