



SunPlus v6.3 / SunPlus v6.4 Technical Architecture and Planning

You will need: (For Standalone Configuration)

1 Domain Controller Server (for Active Directory)

1 SunSystems Standalone Server (Application/Web/Report/Database)

Following this approach, you can use the server as your remote client or you can also have different clients in the same network and in the same domain.

Hardware and Software Requirements:

- **Domain Controller:**

We may assume the Domain Controller Server already exists in your office. In case you need some recommendations, we can suggest the following:

Processor: Intel® Xeon® E3-1225 3.3Gz 1x8GB DDR4 1TB HDD DVDRW TPM or Similar

Operating System: Microsoft Windows Server 2012 R2
Microsoft Windows Server 2016
Microsoft Windows Server 2019
Microsoft Windows Server 2022

**Latest updates must be applied before starting the SunSystems installation process*

Memory: 4GB or 8Gb 2133MT/s DDR4 ECC UDIMM

Hard Drive: 1TB (or less) 7.2K RPM SATA Entry 3.5in Cabled Hard Drive

1. For SunSystems Application/Web Server and Database/Report Server:

Processor: Intel® Core™ i7-7700 Processor (8M Cache, up to 4.20 GHz) or Intel® Xeon® or similar

Operating System: Microsoft Windows Server 2016
Microsoft Windows Server 2019
Microsoft Windows Server 2022

**Latest updates must be applied before starting the SunSystems installation process*

Memory: 32GB 2133MT/s DDR4 ECC UDIMM

Hard Drive: We recommend RAID 1+0
4 Solid State Drives (SSDs) total with 500GB capacity each

SQL: Microsoft SQL Server 2016
Microsoft SQL Server 2017
Microsoft SQL Server 2019
Microsoft SQL Server 2022 (Patchset 26 onwards)



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Antivirus Software: ESET (must be installed **after** SunSystems)
Never: Kaspersky, AVG, or Panda

Firewalls/Security Features: Windows Firewall should be disabled

UPS: Required with at least 20 minutes of backup

Office Version: 2010 to 2016/365 32 Bit (x86) for **QA10 only**
64 Bit (x64) **Supported for QA11**

Client Machines:

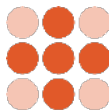
For Client Installation you want to have computers with 8GB RAM or more on Windows 10 or above.

Full Compatibility Matrix for SunPlus 6.x and Query and Analysis starts on next page



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Component	Category	Application	Application Version	Notes
SunSystems 6.4				
Application Server	Operating System	Windows	10	Supported from Patch Set 30 onwards.
			11	
			Server 2016	
			Server 2019	
Client System	Browser	Chrome	Latest	Supported from Patch Set 26 onwards.
		Edge	Latest	
		Safari	Latest	
	Operating System	Windows	10	Supported from Patch Set 30 onwards.
		11		
		8.1		
Database Server	Database Server	SQL Server	Server 2022	Supported from Patch Set 26 onwards.
			2016	
			2017	
	Operating System	Windows	2019	Supported from Patch Set 9 onwards.
			2022	Supported from Patch Set 43 onwards
			Server 2016	
Datalink	Datalink Client/ Server	Datalink	Server 2019	Supported from Patch Set 26 onwards.
			Server 2022	
Other	Technology Framework	.NET Framework	4.8+	.NET 4.8+ is mandatory with SunSystems v6.4 PS18 and higher.
		Oracle OpenJDK	21	
		Tomcat	10.x	
Reporting Server	Reporting System	SQL Server Reporting Services (SSRS)	2016	In-situ upgrades of SSRS are not supported
			2017	
			2019	
			2022	
Web Server	Operating System	Windows	Server 2016	Supported from Patch Set 26 onwards.
			Server 2019	
			Server 2022	



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Component	Category	Application	Application Version	Notes
SunSystems 6.3				
Application Server	Operating System	Windows	10	
			11	Supported from Patch Set 50 onwards.
			7	Platform not fully supported by author; upgrade recommended.
			8.1	
			Server 2012	
			Server 2012 R2	
			Server 2016	
Client System	Browser	Chrome	Latest	
		Edge	Latest	
		Safari	Latest	Only supported on macOS or iOS.
	Operating System	Windows	10	
			11	Supported from Patch Set 50 onwards.
			7	Platform not fully supported by author; upgrade recommended.
			8.1	
		Server 2012		
		Server 2012 R2		
Database Server	Database Server	SQL Server	2014	
			2016	
			2017	
	Operating System	Windows	Server 2012	
			Server 2012 R2	
			Server 2016	
		Server 2019	Supported from Patch Set 21 onwards.	
Datalink	Datalink Client/ Server	Datalink	30.002.x	Minimum Q&A version 10.x Q&A 11.3 is supported subject to other minimum Operating System and Database Server platform requirements being met.
Other	Technology Framework	.NET Framework	3.5	Report Server only.
			4.8+	.NET 4.8+ is mandatory with SunSystems v6.3 PS40 and higher.
		Oracle OpenJDK	21	Support from SunSystems 6.3 Patchset 61
		Tomcat	10.x	Tomcat 10 is mandatory, and Tomcat 9 no longer supported, with SunSystems v6.3 PS59 and higher. See the Release Notes for installation/upgrade instructions.
Reporting Server	Reporting System	SQL Server Reporting Services (SSRS)	2014	
			2016	
			2017	
Web Server	Operating System	Windows	10	
			7	Platform not fully supported by author; upgrade recommended.
			8.1	
			Server 2012	
			Server 2012 R2	
			Server 2016	
		Server 2019	Supported from Patch Set 21 onwards.	



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Component	Category	Application	Application Version	Notes	
SunSystems 6.2					
Application Server	Operating System	Windows	10	Platform not fully supported by author; upgrade recommended.	
			7		
			8		
			8.1		
			Server 2008 R2		
			Server 2012		
			Server 2012 R2		
Client System	Browser	Chrome	Latest	Only supported on macOS or iOS	
		Edge	Latest		
		Safari	7		
			8		
	Operating System	Windows		9	Platform not fully supported by author; upgrade recommended.
				10	
				7	
				8	
				8.1	
				Server 2008 R2	
Database Server	Database Server	SQL Server JDBC	4	Platform not fully supported by author; upgrade recommended.	
		SQL Server	2008 R2		
			2012		
			2012 R2		
	Operating System	Windows		2014	Platform not fully supported by author; upgrade recommended.
				2016	
				Server 2008 R2	
Datalink	Datalink Client/ Server	Datalink	Server 2012	Minimum Q&A version 10.1.7 Minimum Q&A version 10.1.0 PS29 Minimum Q&A version 10.1.0	
			Server 2012 R2		
			Server 2016		
			30.002.x		
Mobile Client	Mobile O/S	iOS	30.001.0016	7.x (iPad, iPhone) 8.x (iPad, iPhone) 9.x (iPad, iPhone)	
			30.001.0006+		
Other	Other	SQL Server JDBC	4	Can be updated by customer if required.	
		SQL Server ODBC	2000		
	Technology Framework	ASP.NET Framework	4		
		Java - JDK	1.7x		
		JRE	1.7.x		
Reporting Server	Operating System	Windows	Tomcat	Platform not fully supported by author; upgrade recommended.	
					7.0.x
					Server 2008 R2
					Server 2012
	Reporting System	SQL Server Reporting Services (SSRS)		Server 2012 R2	Platform not fully supported by author; upgrade recommended.
				2008 R2	
				2012	
Web Server	Operating System	Windows	2014	Platform not fully supported by author; upgrade recommended.	
					2016
					10
					7
					8
		8.1			



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Component	Category	Application	Application Version	Notes
			Server 2008 R2	
			Server 2012	
			Server 2012 R2	
			Server 2016	
	Technology Framework	.NET Framework	3.5	
4				
4.5				
ASP.NET Framework		4		
		4.5		
		Java - JDK	1.7x	
JRE	1.7.x			



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Component	Category	Application	Application Version	Notes
SunSystems 6.1				
Application Server	Operating System	Windows	7	Platform not fully supported by author; upgrade recommended.
			8	
			Server 2008	
			Server 2008 R2	
			Server 2012	
Client System	Browser	Chrome	Latest	Only supported on macOS or iOS
		Safari	7	
	Operating System	Windows	7	Platform not fully supported by author; upgrade recommended.
			8	
			8.1	
			Server 2008	
			Server 2008 R2	
			Server 2012	
			Server 2012 R2	
			Vista	
Database Server	Database Server	SQL Server	2008 R2	Platform not fully supported by author; upgrade recommended.
			2012	
			2012 R2	
		Windows	Server 2008	
			Server 2008 R2	
	Server 2012			
	Server 2012 R2			
Datalink	Datalink Client/ Server	Datalink	20.001.0025+ 20.001.0014+	Minimum Q&A version 10.1.5. Q&A 11.3 is not supported Minimum Q&A version 10.0.0. Q&A 11.3 is not supported
Mobile Client	Browser	Safari	for iOS 6	
	Mobile Operating	iOS	7.x (iPad, iPhone)	
Other	Technology Framework	.NET Framework	3.5	
			4	
			4.5	
		ASP.NET Framework	4	
		Java - JDK	1.6x	
		JRE	1.6.x	
	Tomcat	6.0.x		
Reporting Server	Operating System	Windows	Server 2008	Platform not fully supported by author; upgrade recommended.
			Server 2008 R2	
			Server 2012	



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Web Server	Reporting System	SQL Server Reporting Services (SSRS)	Server 2012 R2	Platform not fully supported by author; upgrade recommended.
			2008 R2	
	Operating System	Windows	2012	
			7	
			8	
			Server 2008	
			Server 2008 R2	
			Server 2012	
			Server 2012 R2	
	Technology Framework	.NET Framework	3.5	
			4	
			4.5	
			ASP.NET Framework	
Java - JDK			1.6x	
JRE	1.6.x			



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Component	Category	Application	Application Version	Notes
Q&A 11.3				
Application Server	Operating System	Windows	Server 2016	
			Server 2019	
			Server 2022	Supported from Patch Set 14 onwards.
Client System	Office	Excel	2013	
			2016	32/64 bit. Latest Office 365 build on all channels supported from Patch Set 27
			2019	32/64 bit.
			2021	Latest Office 365 build on all channels supported from Patch Set 27 onwards
			365	
	Operating System	Windows	10	
			11	Supported from Patch Set 14 onwards.
			8.1	Platform not fully supported by author; upgrade recommended.
			2016	
			2017	
Database Server	Database Server	SQL Server	2019	
			2022	Supported from Patch Set 26 onwards
			Windows	Server 2016
		Server 2019		
		Server 2022	Supported from Patch Set 14 onwards.	
		Other	Technology Framework	.NET Framework
Web Server	Operating System	Windows	Server 2016	
			Server 2019	
			Server 2022	Supported from Patch Set 14 onwards.



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Q&A 10.1.11				
Application Server	Operating System	Windows	Server 2008	Platform not fully supported by author; upgrade recommended.
			Server 2008 R2	
			Server 2012	
			Server 2012 R2	
			Server 2016	
Client System	Office	Excel	2007	Platform not fully supported by author; upgrade recommended.
			2010	
			2013	
			2016	
	Operating System	Windows	10	Platform not fully supported by author; upgrade recommended.
			7	
			8	
	Other	iSeries Access ODBC Access Driver	10	
			4	
			4	
2000				
Visual Studio Tools	2010 for Office Runtime			
Database Server	Database Server	SQL Server	2000	Platform not fully supported by author; upgrade recommended.
			2000 SP4	
			2005	
			2008	
			2008 R2	
			2012	
			2014	
			2016	
Web Server	Operating System	Windows	Server 2008	Platform not fully supported by author; upgrade recommended.
			Server 2008 R2	
			Server 2012	
			Server 2012 R2	
			Server 2016	
	Technology Framework	.NET Framework	2	



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Component	Category	Application	Application Version	Notes
Q&A 10.1.10				
Application Server	Operating System	Windows	Server 2008	Platform not fully supported by author; upgrade recommended.
			Server 2008 R2	
			Server 2012	
			Server 2012 R2	
Client System	Office	Excel	2007	Platform not fully supported by author; upgrade recommended.
			2010	
			2013	
			2016	
	Operating System	Windows	10	Platform not fully supported by author; upgrade recommended.
			7	
			8	
			Vista	
	Other	iSeries Access ODBC Access Driver	10	
			4	
4				
2000				
Database Server	Database Server	SQL Server	2010 for Office Runtime	Platform not fully supported by author; upgrade recommended.
			2000	
			2000 SP4	
			2005	
Web Server	Operating System	Windows	2008	Platform not fully supported by author; upgrade recommended.
			Server 2008 R2	
			Server 2012	
			Server 2012 R2	
	Technology	.NET Framework	2	