

# Apama 10.11 Platform Matrix - Operating Systems

Supported platform	Apama with Software AG Designer	Apama Server	Apama Capital Markets Foundation	Apama Capital Markets Adapters	Predictive Analytics Plug-in for Apama
Microsoft Windows 10 64-bit	x	x	x	x	x
Microsoft Windows Server 2019 64-bit	x	x	x	x	x
Raspberry Pi OS [Added] 2021-03-04 (and higher) (ARMv7HF) 32-bit		x			x
Red Hat Enterprise Linux 8 (and higher) (x86) 64-bit		x	x	x	x
Ubuntu [Added] 20.04 LTS (x86) 64-bit		x			x

Removed platform	Apama with Software AG Designer	Apama Server	Apama Capital Markets Foundation	Apama Capital Markets Adapters	Predictive Analytics Plug-in for Apama
CentOS Linux [Removed] 8 (and higher) (x86) 64-bit [Removed] 7 (Update 2 and higher) (x86) 64-bit		x x	x x	x x	x x
Microsoft Windows [Removed] 8.1 64-bit	x	x	x	x	x
Microsoft Windows Server [Removed] 2016 64-bit [Removed] 2012 R2 64-bit	x x	x x	x x	x x	x x
Red Hat Enterprise Linux [Removed] 7 (Update 2 and higher) (x86) 64-bit		x	x	x	x
SUSE Linux Enterprise Server [Removed] 12 (x86) 64-bit		x	x	x	x

Apama does not support Security Enhanced Linux (SELinux). This option should be turned off on Linux for Apama to run.

For Apama server, the compiled runtime feature is only available on the Linux platforms.

# Apama 10.11 Platform Matrix - Compilers

Supported platform	Microsoft Visual Studio 2019 (C++)	GCC 8.3	GCC 8.4
Microsoft Windows 10 64-bit	x		
Microsoft Windows Server 2019 64-bit	x		
Raspberry Pi OS [Added] 2021-03-04 (and higher) (ARMv7HF) 32-bit		x	
Red Hat Enterprise Linux 8 (and higher) (x86) 64-bit			x
Ubuntu [Added] 20.04 LTS (x86) 64-bit			x

Removed platform	Microsoft Visual Studio 2015 Update 3 (C++)	GCC 4.8	GCC 8.2
CentOS Linux [Removed] 8 (and higher) (x86) 64-bit [Removed] 7 (Update 2 and higher) (x86) 64-bit		x	x
Microsoft Windows [Removed] 8.1 64-bit	x		
Microsoft Windows Server [Removed] 2016 64-bit [Removed] 2012 R2 64-bit	x x		
Red Hat Enterprise Linux [Removed] 7 (Update 2 and higher) (x86) 64-bit		x	
SUSE Linux Enterprise Server [Removed] 12 (x86) 64-bit		x	

The Apama C++ client API requires a supported compiler.

However Apama C++ plug-ins for EPL or connectivity can be built with any C++ 11-compatible compiler.

# Apama 10.11 Platform Matrix - Application Servers

Supported platform	Apama Server
Apache Tomcat 8.5	x
Software AG Common Runtime [Added] 10.11	x

Removed platform	Apama Server
IBM WebSphere Application Server [Removed] 8.5.5.11	x
Oracle WebLogic Server [Removed] 12c (12.2.x) (12.2.1.3 and higher)	x
Software AG Common Runtime [Removed] 10.7	x

Application server support applies to Apama dashboards.

Apache Tomcat supported version matches the version used by the relevant Software AG Common Runtime.

# Apama 10.11 Platform Matrix - Databases

Supported platform	Apama Server
Microsoft SQL Server	
2019 Enterprise	x
2017 Enterprise	x
MySQL Community Edition	
[Added] 8.0	x
Oracle	
19c	x

Removed platform	Apama Server
Microsoft SQL Server	
[Removed] 2016 Enterprise	x
MySQL Community Edition	
[Removed] 5.7	x
Oracle	
[Removed] 12c	x

Database support refers to using the ADBC components.

Databases are only supported using the JDBC drivers included with Apama.

    Except for MySQL which is only supported using MySQL's JDBC driver.

ODBC is only supported on Windows platforms.

# Apama 10.11 Platform Matrix - JMS Providers

Supported platform	Apama Server
IBM MQ	
[Added] 9.2 (and higher)	x
Software AG Universal Messaging	
[Added] 10.11	x

Removed platform	Apama Server
IBM MQ	
[Removed] 9.0 (and higher)	x
IBM WebSphere Application Server	
[Removed] 8.5.5.11	x
Oracle WebLogic Server	
[Removed] 12c (12.2.x) (12.2.1.3 and higher)	x
Software AG Universal Messaging	
[Removed] 10.7	x

Apama uses the corresponding version of the Universal Messaging JMS client.

Universal Messaging has stated older versions of Universal Messaging JMS clients (v9.12 and later ) are supported with newer versions of the Universal Messaging server.

Refer to the Universal Messaging supported platforms documentation for further information on which Apama versions it supports.

# Apama 10.11 Platform Matrix - Integration Platforms

Supported platform	Apama Server
Apache Kafka Client	
2.5 (2.5.0 and higher)	x
HTTP(S)	
1.1	x
JMS	
1.1	x
MQTT	
3.1.1	x
Software AG Universal Messaging Client	
<a href="#">[Added] 10.11</a>	<a href="#">x</a>
TLS	
1.2 (and higher)	x

Removed platform	Apama Server
Software AG Universal Messaging Client	
<a href="#">[Removed] 10.7</a>	<a href="#">x</a>

Apama uses the corresponding version of the Universal Messaging C++ client.

Refer to the Universal Messaging supported platforms documentation for further information.

Not all elements of a platform or protocol may be integrated and supported with Apama.

Refer to the "JMS Providers" section for supported JMS providers.

Refer to the "Databases" section for supported databases.

# Apama 10.11 Platform Matrix - Web Browsers

Supported platform	Apama Server
Google Chrome	
Latest	x
Microsoft Edge	
Latest	x
Microsoft Internet Explorer	
11 and higher	x
Mozilla Firefox	
60 and higher	x

Web browser support refers to viewing Apama dashboards and the Apama documentation.

# Apama 10.11 Platform Matrix - Virtualization Software

Supported platform	Apama Server
Amazon Web Services	
Amazon EC2 (running VMs)	x
Docker	
Docker 19.03 and higher	x
Docker Compose 1.16.1 and higher	x
Microsoft Azure	
Azure (running VMs)	x
VMWare ESXi	
6.0 and higher	x

Support for virtualization software requires the use of one of the supported operating systems as the VM guest operating system or Docker base image.

Apama dashboard components are not supported running in a Docker environment.

Users must follow VMware best practices for guest operating systems. In particular, users of Linux guests should be aware of VMware KB Article: 1006427:

<https://kb.vmware.com/s/article/1006427>

Software AG's policy for supporting virtualized environments is described in the "Software AG Maintenance Policy" document.

Refer to the "Virtual Machine and Container Support" section:

<https://empower.softwareag.com/GeneralSupportInfo/ProductLifecycleandMaintenance/SupportPolicy2011.aspx>



## Apama 10.11 Platform Matrix - Distributed Memory Store

Supported platform	Apama Server
Software AG BigMemory Max [Added] 4.3.10	x
Software AG Terracotta Store [Added] 10.11	x

Removed platform	Apama Server
Software AG BigMemory Max [Removed] 4.3.9	x
Software AG Terracotta Store [Removed] 10.7	x

Apama is able to communicate with other distributed caches by permitting development on the base interface classes included with the product.

## Apama 10.11 Platform Matrix - Miscellaneous

Supported platform	Apama with Software AG Designer	Apama Server
Ant-Contrib Tasks 1.0b3	x	x
Apache Ant [Added] 1.10.10	x	x
Azul Zulu Java [Added] 11.48		x
MathWorks MATLAB [Added] 2021a		x
Microsoft .NET Framework [Added] 4.7.2		x
PySys [Added] 2.0		x
Python [Added] 3.9		x
R 3.4.1	x	x
Software AG Cumulocity IoT [Added] 10.11 (and higher)		x
Software AG Designer [Added] 10.11	x	

Removed platform	Apama with Software AG Designer	Apama Server
Apache Ant [Removed] 1.10.5	x	x
Azul Zulu Java [Removed] 8.40		x
MathWorks MATLAB [Removed] 2016b		x
Microsoft .NET Framework [Removed] 4.5.1		x
PySys [Removed] 1.6.1		x
Python [Removed] 3.7		x
Software AG Cumulocity IoT [Removed] 10.7 (and higher)		x
Software AG Designer [Removed] 10.7	x	

Apama server is only supported with the version of JRE installed by the product or fix.

Java support refers to the Java version supported for developing with Apama's Java Client API and dashboard components.

Apama uses the Cumulocity IoT client SDK and depends on it for compatibility with higher versions of Cumulocity IoT