

# eXo Products Supported Environments

Last update: Dec 16, 2019

## Overview

eXo Subscription customers benefit from certified, tested and production ready software packages. These packages are tied to environments compatibility prerequisites described in this document.

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# Supported Environments Policy

eXo products offer a wide range of eligible environments to integrate with your IT preferences. The following chapter describes our factory-supported environments policy and the associated Support Services Terms.

## General Statements

(i) eXo does not license nor provide support or maintenance for the listed third party software, which includes without limitations: Installation, capacity planning, tuning, upgrade procedures. Customers will evaluate the opportunity to contract licenses, support and maintenance guarantees with the third-party editors involved.

(ii) eXo recommendations on interacting with the listed third-party software are provided with the sole objective to run eXo Platform products in decent conditions and regardless of potential impacts or side effects on existing or future software managed by customers.

(iii) eXo does not guarantee to match recommendations emitted by third party software vendors or experts which includes without limitations, specific features, existing and future specifications, architecture design, protocols, management procedures.

(iv) eXo assumes customers' personnel is proficient with the selected third-party software.

## Fully Supported Environments

**Recommended** environments outline the best user and administrator experience achievable with eXo products. They also offer the widest set of guarantees, support services wise. Recommended environments specific features may also be leveraged by eXo products to enhance its own integration within these stacks.

**Supported** environments represent the baseline compatibility matrix requested to run eXo products in production conditions. Such environments may introduce particular limitations which are generally identified and listed by eXo. In addition, third party environments belonging to this category may be outdated and therefore should be updated to recommended software.

### Support Services related terms:

eXo Global Support Services will deliver support and maintenance services for eXo Products to subscribed customers deploying eXo Products within the listed *Fully Supported Environments* according the contracted SLA.

In addition, *Recommended* environments are mandatory to benefit from *Ongoing* support assistance in case of Premium SLA.

## Limited Support Environments

**Compatible environments** represent third party software known to work with eXo products, thanks to community contributions or lab research. Such environments may offer a varying compatibility with eXo products as they are not the subject of internal testing and quality insurance. Compatible environments are NOT recommended to run an eXo products' installation in a production context.

**Deprecated environments** are environments formerly fully supported by eXo products but are in the process of being removed from the supported environments list. Such removal is generally lined up with the next minor or major version of eXo products. Customer shall pay attention to third party software identified in this category and plan their update accordingly. Deprecated environments offer a limited user and administrator experience and are very likely to allow for a limited compatibility with features added in the latest minor or major version of eXo Products.

### Support Services related terms:

eXo Global Support Services will deliver restricted support and maintenance services for eXo products to subscribed customers deploying eXo products within the listed *Limited Support Environments* according to the following guidelines:

- Contractual SLA is not guaranteed,
- Qualified product-specific issues will be handled as normal, which includes support assistance and maintenance for major defects.
- Qualified environment specific issues will automatically cancel the issue management and no additional delivery will occur for this issue (Patches, Maintenance versions)

## Unsupported Environments

**Incompatible or Sunset environments** are third party software known to NOT work with eXo products, even if they used to work in conjunction with a former version of eXo products.

eXo Global Support Services will deliver NO support NOR maintenance services for eXo products to subscribed customers deploying eXo products within the listed *Unsupported Environments*.



# Supported Environments Matrix

The following chapter provides a comprehensive listing of software and middleware subject to host or interact with each eXo Platform version's stream.

## General Statements

The supported environment listing is meant to evolve over time to fit industry standards and allow for modern feature implementation. Those evolutions are ruled by the following terms:

- Supported environments can vary from a minor version to another, however eXo will NOT downgrade a given environment item during the lifecycle of a minor stream (see [www.exoplatform.com/maintenance-program](http://www.exoplatform.com/maintenance-program) to learn more about version management and policies)
- eXo shall add or upgrade some environments into the list between two consecutive maintenance versions.

eXo Platform Enterprise subscriptions fully benefit from the wide range of supported environments described below.

## Environment list per version:

- [eXo Platform 5.3](#)
- [eXo Mobile](#)
- [eXo Official Addons](#)
- [eXo Platform 5.2](#)
- [eXo Platform 5.1](#)
- [eXo Platform 5.0](#)
- [eXo Platform 4.4](#)
- [eXo Platform 4.3](#)
- [eXo Platform 4.2](#)
- [eXo Platform 4.1](#)
- [eXo Platform 4.0](#)
- [eXo Platform 3.5](#)

# eXo Platform 5.3

## Operating Systems and JVMs

JDK	Recommended	Supported	Deprecated	Incompatible
Open JDK	8	11		1.7 and below
Oracle JDK		8		1.7 and below

Operating System	Recommended	Supported	Deprecated	Incompatible
Ubuntu	18.04 LTS		16.04 LTS	14.04 LTS and below
RHEL		8	7.5	6.7 and below
Windows Server		2019	2016	2008 R2 and below

## Application Servers

Application Server	Recommended	Supported	Deprecated	Incompatible
Apache Tomcat (eXo bundle)	8.5	-	-	7.0

## Databases

Database	Recommended	Supported	Deprecated	Incompatible
PostgreSQL		11 10		9.6 and below
MySQL	5.7			

## Databases drivers

JDBC Drivers	Recommended	Supported	Deprecated	Incompatible
PostgreSQL		42.2.5		

MySQL	8.0.16		5.1.47	
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#### Other Server Components

Component	Recommended	Supported	Deprecated	Incompatible
MongoDB *	4.0			3.6 and below
Elasticsearch	5.6.16			5.3 and below
LibreOffice Server	6.0	6.1		5.4 and below

\* MongoDB is only required for Chat

#### Directory servers

LDAP	Recommended	Supported	Deprecated	Incompatible
OpenLDAP		2.4		
Active Directory	Windows Server 2019		Windows Server 2016 Windows Server 2012	

#### SSO Providers

SSO Providers	Recommended	Supported	Deprecated	Incompatible
CAS		4.0		3.5
SAML v2.0	SAML v2 SP*			
SPNEGO		Over Kerberos (MS Windows)		

(\*) Assumes eXo Platform is a SP

#### Web Browsers

Web Browser	Recommended	Supported	Deprecated	Incompatible
Windows	Edge 44 Firefox ESR 68.1.0 Chrome 77	Edge (latest stable) Firefox (latest stable) Chrome (latest stable)		IE11 and below
Mac OS	Firefox ESR 68.1.0 Chrome 77	Firefox (latest stable) Chrome (latest stable)	-	Safari 9 and below
Linux	Firefox ESR 68.1.0	Firefox (latest stable)		

iOS 12		Safari 12.1 Chrome 77		
Android		Chrome 77		

Screen Resolutions & Mobile Devices

eXo Platform is designed to work on Desktop and Mobile devices through a responsive layout. Below is the list of reference devices and resolutions used for testing responsive behavior.

Device	Recommended	Supported	Deprecated	Incompatible
Desktop		1920x1080	-	-
Tablet	-	iPad Air 2 (2048x1536) Pixel C (2560x1800)	-	-
Smartphone	-	iPhone 6 (750x1334) Pixel (1080x1920)	-	-

# eXo Mobile

An eXo Mobile apps inherits implicitly the environment compatibility of the corresponding eXo Platform version.

OS	Recommended	Supported	Deprecated	Incompatible
Android	-	8.0 or up*	-	7.x and lower
iOS	12	-	11	10.x and lower



# eXo Official Add-ons

An eXo add-on inherits implicitly the environment compatibility of the corresponding eXo Platform version. Each add-on might however have some specific requirements which might be more restricted than those of its corresponding eXo Platform version.

## eXo Chat

### MongoDB version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
eXo Chat 2.3	4.0				3.6 and below
eXo Chat 2.2	4.0			3.6	3.0 and below
eXo Chat 2.1	3.6		3.2	3.4	3.0 and below
eXo Chat 2.0	3.4		3.2		3.0 and below
eXo Chat 1.5	3.2		3.0	2.6	2.4 and below
eXo Chat 1.4	3.2		3.0	2.6	2.4 and below
eXo Chat 1.2	3.0		2.6		
eXo Chat 1.1	2.6		3.0 2.4		
eXo Chat 1.0	2.6		2.4		2.2 and below

### eXo Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
eXo Chat 2.3	eXo Platform 5.3				eXo Platform 5.2 and below
eXo Chat 2.2	eXo Platform 5.2				eXo Platform 5.1 and below
eXo Chat 2.1	eXo Platform 5.1				eXo Platform 5.0 and below
eXo Chat 2.0	eXo Platform 5.0				eXo Platform 4.4 and below
eXo Chat 1.5	eXo Platform 4.4				eXo Platform 4.3 and below
eXo Chat 1.4	eXo Platform 4.4				eXo Platform 4.3 and below
eXo Chat 1.2	eXo Platform 4.3				eXo Platform 4.2 and below
eXo Chat 1.1	eXo Platform 4.2				eXo Platform 4.1 and below
eXo Chat 1.0	eXo Platform 4.1				eXo Platform 4.0 and below

## eXo Tasks

eXo Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
2.3	eXo Platform 5.3				eXo Platform 5.2 and below
2.2	eXo Platform 5.2				eXo Platform 5.1 and below
2.1	eXo Platform 5.1				eXo Platform 5.0 and below
2.0	eXo Platform 5.0				eXo Platform 4.4 and below
1.2	eXo Platform 4.4				eXo Platform 4.3 and below
1.0	eXo Platform 4.3				eXo Platform 4.2 and below

## eXo Web Conferencing

eXo Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
1.4	eXo Platform 5.3				eXo Platform 5.2 and below
1.3	eXo Platform 5.2				eXo Platform 5.1 and below
1.2	eXo Platform 5.1				eXo Platform 5.0 and below
1.1	eXo Platform 5.0				eXo Platform 4.4 and below

## eXo Web Pack\*

eXo Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
2.3				eXo Platform 5.3	eXo Platform 5.2 and below
2.2	eXo Platform 5.2				eXo Platform 5.1 and below
2.1	eXo Platform 5.1				eXo Platform 5.0 and below
2.0	eXo Platform 5.0				eXo Platform 5.0 and below
1.1	eXo Platform 4.4				eXo Platform 4.4 and below
1.0	eXo Platform 4.3				eXo Platform 4.2 and below

(\*) Starting with eXo Platform 4.4, eXo Site Templates was merged with WAI and renamed eXo Web Pack.

## eXo Remote Edit

By default, when navigating eXo Platform from IE11 browser, users can open and edit Word/Excel/PowerPoint files in Microsoft Office. This add-on enhances the feature for more file types and more client platforms.

### eXo Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
2.3	eXo Platform 5.3				eXo Platform 5.2 and below
2.2	eXo Platform 5.2				eXo Platform 5.1 and below
2.1	eXo Platform 5.1				eXo Platform 5.0 and below
2.0	eXo Platform 5.0				eXo Platform 4.4 and below
1.2	eXo Platform 4.4				eXo Platform 4.3 and below
1.1				eXo Platform 4.3	eXo Platform 4.2 and below
1.0				eXo Platform 4.2	eXo Platform 4.1 and below

### Web browsers and Office suites

OS	Browser	Recommended	Supported	Deprecated
Windows 7, Windows 10	Firefox, Chrome, Edge	MS Office 2016		MS Office 2013 MS Office 2010
Mac OS 10.12+	Firefox, Chrome, Safari		MS Office for Mac 2016	
Ubuntu 18.04	Firefox, Chrome	LibreOffice 6.0	LibreOffice 6.1	

## eXo CAS integration

### eXo Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
2.3	eXo Platform 5.3				eXo Platform 5.2 and below
2.2	eXo Platform 5.2				eXo Platform 5.1 and below
2.1	eXo Platform 5.1				eXo Platform 5.0 and below
2.0	eXo Platform 5.0				eXo Platform 4.4 and below
1.2	eXo Platform 4.4				eXo Platform 4.3 and below
1.1	eXo Platform 4.3				eXo Platform 4.2 and below
1.0	eXo Platform 4.2		eXo Platform 4.1		eXo Platform 4.0 and below

## eXo SPNEGO integration

### eXo Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
2.3	eXo Platform 5.3				eXo Platform 5.2 and below
2.2	eXo Platform 5.2				eXo Platform 5.1 and below
2.1	eXo Platform 5.1				eXo Platform 5.0 and below
2.0	eXo Platform 5.0				eXo Platform 4.4 and below
1.2	eXo Platform 4.4				eXo Platform 4.3 and below
1.1	eXo Platform 4.3				eXo Platform 4.2 and below
1.0	eXo Platform 4.2		eXo Platform 4.1		eXo Platform 4.0 and below

## eXo SAML2 integration

### eXo Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
2.3	eXo Platform 5.3				eXo Platform 5.2 and below
2.2	eXo Platform 5.2				eXo Platform 5.1 and below
2.1	eXo Platform 5.1				eXo Platform 5.0 and below
2.0	eXo Platform 5.0				eXo Platform 4.4 and below
1.2	eXo Platform 4.4(*)				eXo Platform 4.3 and below
1.1	eXo Platform 4.3(*)				eXo Platform 4.2 and below
1.0	eXo Platform 4.2		eXo Platform 4.1		eXo Platform 4.0 and below

(\*) It only works in Platform JBoss EAP bundle.

## eXo OpenAM integration (discontinued)

### eXo Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
2.1			eXo Platform 5.1		eXo Platform 5.2 and above eXo Platform 5.0 and below
2.0			eXo Platform 5.0		eXo Platform 4.4 and below
1.2			eXo Platform 4.4		eXo Platform 4.3 and below
1.1			eXo Platform 4.3		eXo Platform 4.2 and below
1.0			eXo Platform 4.2 eXo Platform 4.1		eXo Platform 4.0 and below

## eXo CMIS

### eXo Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
5.3	eXo Platform 5.3				eXo Platform 5.2 and below
5.2	eXo Platform 5.2				eXo Platform 5.1 and below
5.1	eXo Platform 5.1				eXo Platform 5.0 and below
5.0	eXo Platform 5.0				eXo Platform 4.4 and below
4.4	eXo Platform 4.4				eXo Platform 4.3 and below
4.3	eXo Platform 4.3				eXo Platform 4.2 and below
4.2	eXo Platform 4.2				eXo Platform 4.1 and below
4.1	eXo Platform 4.1				eXo Platform 4.0 and below
eXo CMIS Connector 1.3.0 (built-in extension in Platform 4.0)		eXo Platform 4.0		eXo Platform 3.5	eXo Platform 3.0 and below

## eXo Answers (discontinued)

### eXo Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
2.1				eXo Platform 5.1	eXo Platform 5.2 and above eXo Platform 5.0 and below
1.3				eXo Platform 5.0	eXo Platform 4.4 and below
1.2				eXo Platform 4.4	eXo Platform 4.3 and below
1.1				eXo Platform 4.3	eXo Platform 4.2 and below
1.0	eXo Platform 4.2				eXo Platform 4.1 and below

## eXo Video Calls (discontinued)

The Video Calls add-on requires minimal hardware, internet bandwidth to access the multimedia streaming service as well as the installation of a client software.

Note: eXo Video Calls is no longer compatible with eXo Platform 5.0. Use the eXo Web Conferencing instead

### eXo Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
1.4	eXo Platform 4.4				eXo Platform 5.0 and above eXo Platform 4.2 and below
1.3	eXo Platform 4.3				eXo Platform 4.2 and below
1.2	eXo Platform 4.2				eXo Platform 4.1 and below
1.1					any (*)
1.0					any (*)

(\*) RTCCDriver being no longer supported from September 16, 2015, these versions of Video Calls are not compatible with any eXo Platform versions.

### Network

Bandwidth requirements differ according to the use case.

Function	Recommended	Supported	Compatible	Deprecated	Incompatible
Audio Only			30 Kbps		
1-to-1 video calls	130 Kbps (HD quality)		80 Kbps (SD quality)		
Group video calls	280 Kbps (HD quality)		130 Kbps (SD quality)		

In addition, the Video Calls add-on requires to open the ports TCP 80 (HTTP) and TCP 443 (HTTPS) in the firewall/proxy

### System requirements

Except for Chrome, the Video Calls add-on requires installing a browser plugin to bridge communication between the browser and the video conference service.

### Client Hardware

Client Hardware	Recommended	Supported	Compatible	Deprecated	Incompatible
Windows	Intel Core i5 3470, AMD A8 6K series with 2GB of RAM		Intel Core 2 Duo, AMD Athlon X2 with 1GB of RAM		
Mac OS	Intel Core i5 3470 2GB RAM		Intel Core 2 Duo 1GB RAM		

### Client Operating System

Operating System	Recommended	Supported	Compatible	Deprecated	Incompatible
Windows	7		XP SP3, 8, 8.1		
Mac OS	10.10		10.6, 10.7, 10.8, 10.9		

Ubuntu	14.04		12.04		
iOS					Any (*)
Android					Any (*)

(\*) The client software is not compatible with any iOS or Android.

Client Web Browsers

Operating System	Browser				
	Recommended	Supported	Compatible	Deprecated	Incompatible
Windows	Chrome 46 Firefox 41 IE 11				IE10 and below
Mac OS	Chrome 46 Firefox 41		Safari 9	Safari 7 Safari 8	Safari 5.1 Safari 6
Linux	Chrome 46				Firefox
iOS					Any (*)
Android					Any (*)

(\*) The client software is not compatible with any iOS or Android.



## eXo CRaSH (discontinued)

### Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
4.4		eXo Platform 4.4			eXo Platform 5 and above (*)
4.1		eXo Platform 4.3 eXo Platform 4.2 eXo Platform 4.1 eXo Platform 4.0	eXo Platform 3.5		eXo Platform 3.0 and below

(\*) Starting with Platform 5.0 eXo Crash is not supported as an official add-on anymore.

## eXo IDE (sunset)

### Platform version

Add-On Version	Recommended	Supported	Compatible	Deprecated	Incompatible
1.5.0				eXo Platform 4.3 (*)	eXo Platform 4.4 and above (*)
1.4.1	eXo Platform 4.2	eXo Platform 4.0 eXo Platform 4.1	eXo Platform 3.5		eXo Platform 3.0 and below
1.4.0	eXo Platform 4.1	eXo Platform 4.0	eXo Platform 3.5		eXo Platform 3.0 and below

(\*) It works only with Java 7 in 4.3, removed in 4.4.

### Web Browsers

Web Browser	Recommended	Supported	Compatible	Deprecated	Incompatible
Windows	Firefox (latest stable) Chrome (latest stable)				IE8+ Safari 5.1
Mac OS	Firefox (latest stable) Chrome (latest stable)		Safari 9	Safari 8 Safari 7	Safari 6 Safari 5.1
Linux	Firefox (latest stable)		Chrome (latest stable)		

# eXo Platform 5.2

## Operating Systems and JVMs

JDK	Recommended	Supported	Compatible	Deprecated	Incompatible
Oracle JDK	1.8				1.7 and below
Open JDK					1.7 and below

Operating System	Recommended	Supported	Compatible	Deprecated	Incompatible
Ubuntu	18.04 LTS			16.04	14.04 LTS and below
RHEL		7.5			6.7
Windows Server		2016			2008 R2

## Application Servers

Application Server	Recommended	Supported	Compatible	Deprecated	Incompatible
Apache Tomcat	8.5				7.0

(\*) Apache Tomcat support assumes the usage of the bundled Tomcat.

## Databases

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MySQL	5.7				
PostgreSQL	10				9.3 and below

## Databases drivers

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MySQL	5.1.47				
PostgreSQL	42.2.5				

## Other Server Components

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MongoDB*	4.0			3.6	2.6 3.0
Elastic Search	5.6.11			5.3	1.x, 2.x
Office Server	LibreOffice 6.0.6			LibreOffice 5.4.x	

\* MongoDB is only required for Chat

## Directory servers

LDAP	Recommended	Supported	Compatible	Deprecated	Incompatible
OpenLDAP	2.4				

Active Directory		Windows Server 2016	Windows Server 2012		Windows Server 2008
OpenDJ					2.6

#### SSO Providers

SSO Providers	Recommended	Supported	Compatible	Deprecated	Incompatible
CAS		4.0			3.5
SAML v2.0		SAML v2 2.0 IdP (*)			
SPNEGO		Over Kerberos (MS Windows)			

(\*) Assumes eXo Platform is a SP

#### Web Browsers

Web Browser	Recommended	Supported	Compatible	Deprecated	Incompatible
Windows	Edge 44 Firefox ESR 60 Chrome 71	Edge (latest stable) Firefox (latest stable) Chrome (latest stable)			IE11 and below
Mac OS	Firefox ESR 60 Chrome 71	Firefox (latest stable) Chrome (latest stable)		Safari 9	Safari 8 and below
Linux	Firefox ESR 60	Firefox (latest stable)			
iOS		Safari 12 Chrome 71			
Android		Chrome 71			

# eXo Platform 5.1

## Operating Systems and JVMs

JDK	Recommended	Supported	Compatible	Deprecated	Incompatible
Oracle JDK	1.8		9 and 10 (tomcat)		1.7 and below
Open JDK			1.8, 9 and 10 (tomcat)		1.7 and below

Operating System	Recommended	Supported	Compatible	Deprecated	Incompatible
Ubuntu	16.04 LTS		17.04 18.04		14.04 LTS and below
RHEL		7.5	7.3, 7.4	7.2	6.7
CentOS			7.5 (1804)		
Windows Server		2016	2012 R2		2008 R2

## Application Servers

Application Server	Recommended	Supported	Compatible	Deprecated	Incompatible
Apache Tomcat	8.5				7.0
JBoss EAP	7.1		7.0		6.4 and below

(\*) Apache Tomcat support assumes the usage of the bundled Tomcat.

## Databases

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MySQL	5.7		5.5, 5.6		
Oracle				12c R2 12c R1	11g R2 and below
MS SQL Server			2017	2016	2008 R2 SP2 2014 2012
PostgreSQL	10	9.6			9.5 and below

## Databases drivers

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MySQL	5.1.46				
Oracle				12.2.0.1	
MS SQL Server			6.4		
PostgreSQL	42.2.2				

## Other Server Components

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
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MongoDB*	3.6		3.2	3.4	2.6 3.0
Elastic Search	5.6.9	5.3.2+			1.x, 2.x
Office Server	LibreOffice 5.4.7		LibreOffice 5.0 LibreOffice 5.1 LibreOffice 5.2 LibreOffice 4.2	LibreOffice 5.4	

\* MongoDB is only required for Chat

#### Directory servers

LDAP	Recommended	Supported	Compatible	Deprecated	Incompatible
OpenLDAP	2.4				
Active Directory		Windows Server 2016	Windows Server 2012 R2		Windows Server 2008
OpenDJ				3.5 3.0	2.6

#### SSO Providers

SSO Providers	Recommended	Supported	Compatible	Deprecated	Incompatible
CAS		4.0			3.5
SAML v2.0		SAML v2 2.0 IdP (*)			
SPNEGO		Over Kerberos (MS Windows)	Over NTLM (MS Windows) Over Kerberos (Linux/Unix)		
OpenAM				11.0	
LemonLDAP			1.9.16		

(\*) Assumes eXo Platform is a SP

#### Web Browsers

Web Browser	Recommended	Supported	Compatible	Deprecated	Incompatible
Windows	Edge 17 Firefox ESR 60 Chrome 68	Edge (latest stable) Firefox (latest stable) Chrome (latest stable)	IE11*		IE10 and below
Mac OS	Firefox ESR 60 Chrome 68	Firefox (latest stable) Chrome (latest stable)	Safari 11 Safari 10	Safari 9	Safari 8 and below
Linux	Firefox ESR 60	Firefox (latest stable)	Chrome (latest stable)		
iOS		Safari 11.1 Chrome 68	Chrome (latest stable)		
Android		Chrome 68	Chrome (latest stable) Firefox (latest stable)		

(\* Video Calls and Desktop Notifications don't work on IE11, also it does not offer an optimal UI due to limited standard support (HTML5))

# eXo Platform 5.0

## Operating Systems and JVMs

JDK	Recommended	Supported	Compatible	Deprecated	Incompatible
Oracle JDK	1.8		9 (tomcat)		1.7 and below
Open JDK			1.8 9 (tomcat)		1.7 and below

Operating System	Recommended	Supported	Compatible	Deprecated	Incompatible
Ubuntu	16.04 LTS		17.04 LTS		14.04 LTS and below
RHEL		7.2	7.3, 7.4		6.7
CentOS			7(1611)		
Windows Server		2016	2012 R2		2008 R2

## Application Servers

Application Server	Recommended	Supported	Compatible	Deprecated	Incompatible
Apache Tomcat	8.5				7.0
JBoss EAP	7.0				6.4 and below

(\*) Apache Tomcat support assumes the usage of the bundled Tomcat.

## Databases

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MySQL	5.7		5.5, 5.6		
Oracle	12c R2	12c R1			11g R2 and below
MS SQL Server	2016		2014 2012		2008 R2 SP2
PostgreSQL	9.6		9.4 9.5		9.3 and below

## Databases drivers

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MySQL	5.1.44				
Oracle	12.2.0.1				
MS SQL Server	6.2				
PostgreSQL	42.1.4				

## Other Server Components

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MongoDB*	3.4		3.2		3.0 and below

Elastic Search	5.6.2	5.3.2+			1.x, 2.x
Office Server	LibreOffice 5.4		LibreOffice 5.0 LibreOffice 5.1 LibreOffice 5.2 LibreOffice 4.4		

\* MongoDB is only required for Chat

#### Directory servers

LDAP	Recommended	Supported	Compatible	Deprecated	Incompatible
OpenLDAP	2.4				
Active Directory		Windows Server 2016	Windows Server 2012 R2		Windows Server 2008
OpenDJ			3.5	2.6	

#### SSO Providers

SSO Providers	Recommended	Supported	Compatible	Deprecated	Incompatible
CAS		4.0			3.5 4.0
SAML v2.0		SAML v2 2.0 IdP (*)			
SPNEGO		Over Kerberos (MS Windows)	Over NTLM (MS Windows) Over Kerberos (Linux/Unix)		
OpenAM			13.5		11.0
LemonLDAP			1.9.2		

(\*) Assumes eXo Platform is a SP

#### Web Browsers

Web Browser	Recommended	Supported	Compatible	Deprecated	Incompatible
Windows	Edge 15 Firefox ESR 52.4 Chrome 62	Edge (latest stable) Firefox (latest stable) Chrome (latest stable)	IE11*		IE10 and below
Mac OS	Firefox ESR 52.4 Chrome 62	Firefox (latest stable) Chrome (latest stable)	Safari 11 Safari 10		Safari 9 and below
Linux	Firefox 50	Firefox (latest stable)	Chrome (latest stable)		
iOS		Safari 10.1 Chrome 61	Chrome (latest stable)		
Android		Chrome 61	Chrome (latest stable)		

(\*) Video Calls don't work on IE11, also it does not offer an optimal UI due to limited standard support (HTML5)



# eXo Platform 4.4

## Operating Systems and JVMs

JDK	Recommended	Supported	Compatible	Deprecated	Incompatible
Oracle JDK	1.8				1.7 and below
Open JDK			1.8		1.7 and below

Operating System	Recommended	Supported	Compatible	Deprecated	Incompatible
Ubuntu	14.04 LTS		16.04 LTS	12.04 LTS	
RHEL	7.2		6.7		
CentOS			7(1511)		
Windows Server		2012 R2		2008 R2	

## Application Servers

Application Server	Recommended	Supported	Compatible	Deprecated	Incompatible
Apache Tomcat	7.0	-	-	-	-
JBoss EAP	6.4	-		6.1 6.2	6.0 and below

(\*) Apache Tomcat support assumes the usage of the bundled Tomcat.

## Databases

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MySQL	5.6	5.5	5.7		
Oracle	12c R1			11g R2 11g R1	
MS SQL Server	2014		2012	2008 R2 SP2	
PostgresQL	9.4		9.3 9.5	9.2	
MariaDB			5.5 10.1		

## Databases drivers

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MySQL	5.1.39				
Oracle	12.1.0.1				
MS SQL Server	4.2.6420.100				
PostgresQL	9.4.1208.jre7				

## Other Server Components

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MongoDB(for chat add-on only)	3.2		3.0	2.6	2.4
Elastic Search	2.3				1.x
Office Server	LibreOffice 4.2		LibreOffice 5.1 LibreOffice 4.4		

#### Directory servers

LDAP	Recommended	Supported	Compatible	Deprecated	Incompatible
OpenLDAP	2.4				
Active Directory	Windows Server 2012 R2		Windows Server 2008		
Red Hat Identity Server			9.1		
OpenDJ			3.0 2.6		

#### SSO Providers

SSO Providers	Recommended	Supported	Compatible	Deprecated	Incompatible
CAS		4.0		3.5	
SAML v2.0		SAML v2 2.0 IdP (*)			
SPNEGO		Over Kerberos (MS Windows)	NTLM ( Windows) Kerberos (Linux)		
OpenAM			11.0		
LemonLDAP			1.9.2		

(\*) Assumes eXo Platform is a SP

#### Web Browsers

Web Browser	Recommended	Supported	Compatible	Deprecated	Incompatible
Windows	IE11 Firefox 50 Chrome 55	Firefox (latest stable) Chrome (latest stable)	Edge (latest stable)		IE10 and below
Mac OS	Firefox 50 Chrome 55	Firefox (latest stable) Chrome (latest stable)	Safari 9	Safari 7	Safari 8 and below
Linux	Firefox 50	Firefox (latest stable)	Chrome (latest stable)		
iOS		Safari 9 Chrome 55	Safari 8 Chrome (latest stable)		
Android		Chrome 55	Chrome (latest stable)		



# eXo Platform 4.3

## Operating Systems and JVMs

Operating System	Recommended	Supported	Compatible	Deprecated	Incompatible
Ubuntu 14.04 LTS	Oracle JDK 1.8			Oracle JDK 1.7 Open JDK 1.7	Oracle/Open JDK 1.6 and below
RHEL 7.2	Oracle JDK 1.8			Oracle JDK 1.7 Open JDK 1.7	Oracle/Open JDK 1.6 and below
RHEL 6.4	Oracle JDK 1.8			Oracle JDK 1.7 Open JDK 1.7	Oracle/Open JDK 1.6 and below
Windows Server 2012	Oracle JDK 1.8			Oracle JDK 1.7	Oracle JDK 1.6 and below
Ubuntu 12.04 LTS		Oracle JDK 1.8		Oracle JDK 1.7 Open JDK 1.7	Oracle/Open JDK 1.6 and below
RHEL 5.10		Oracle JDK 1.8		Oracle JDK 1.7 Open JDK 1.7	Oracle/Open JDK 1.6 and below
Windows Server 2008		Oracle JDK 1.8		Oracle JDK 1.7	Oracle JDK 1.6 and below
AIX 7.1				IBM SDK 7	IBM SDK 1.6 and below

## Application Servers

Application Server	Recommended	Supported	Compatible	Deprecated	Incompatible
Apache Tomcat	-	7.0 (*)	-	-	-
JBoss EAP	6.2	6.1	6.3	-	6.0 and below

(\*) Apache Tomcat support assumes the usage of the bundled Tomcat.

## Databases

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
PostgreSQL	9.4	9.3	9.2		
MySQL	5.5		5.6		
Oracle	11g R2	12c R1	10g R2 11g R1		
MS SQL Server	2012	2008 R2 SP2			
Postgres Plus Advanced Server (Enterprise DB)		9.3	9.4 9.2		
IBM DB2			10.1		

## Directory servers

LDAP	Recommended	Supported	Compatible	Deprecated	Incompatible
OpenLDAP	2.4				
Active Directory	Windows Server 2012 R2	Windows Server 2008 R2 Windows Server 2012	Windows Server 2008		
RedHat Identity Server		9.1	9.0		

OpenDJ			2.6		
OpenDS				2.2 Update 1	

### SSO Providers

SSO Providers	Recommended	Supported	Compatible	Deprecated	Incompatible
CAS		4.0	3.5		
SAML v2.0		SAML v2 2.0 IdP (*)			
SPNEGO		Over Kerberos (MS Windows)	Over NTLM (MS Windows) Over Kerberos (Linux/Unix)		
OpenAM		11.0		10.1	

(\*) Assumes eXo Platform is a SP

### Web Browsers

Web Browser	Recommended	Supported	Compatible	Deprecated	Incompatible
Windows	IE11 Firefox 41 Chrome 46	Firefox (latest stable) Chrome (latest stable)		IE10(*)	IE9 and below Safari 5.1
Mac OS	Firefox 41 Chrome 46	Firefox (latest stable) Chrome (latest stable)	Safari 9	Safari 8 Safari 7	Safari 6 Safari 5.1
Linux	Firefox 41	Firefox (latest stable)	Chrome (latest stable)		
iOS		Safari 9	Safari 8 Chrome (latest stable)		
Android		Chrome 46	Chrome (latest stable)		

## eXo Platform 4.2

### Operating Systems and JVMs

Operating System	Recommended	Supported	Compatible	Deprecated	Incompatible
Ubuntu 14.04 LTS	Oracle JDK 1.7		Open JDK 1.7		Oracle/Open JDK 1.6 and below
RHEL 6.4	Oracle JDK 1.7		Open JDK 1.7		Oracle/Open JDK 1.6 and below
Windows Server 2012	Oracle JDK 1.7				Oracle JDK 1.6 and below
Ubuntu 12.04 LTS		Oracle JDK 1.7	Open JDK 1.7		Oracle/Open JDK 1.6 and below
RHEL 5.10		Oracle JDK 1.7	Open JDK 1.7		Oracle/Open JDK 1.6 and below
Windows Server 2008		Oracle JDK 1.7			Oracle JDK 1.6 and below

AIX 7.1			IBM SDK 7		IBM SDK 1.6 and below
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#### Application Servers

Application Server	Recommended	Supported	Compatible	Deprecated	Incompatible
Apache Tomcat	-	7.0 (*)(**)	-	-	-
JBoss EAP	6.2	6.1	6.3	-	6.0 and below

(\*) Apache Tomcat does not allow for clustered deployments (\*\*) Apache Tomcat support assumes the usage of the bundled Tomcat.

#### Databases

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MySQL	5.5		5.6	5.1	
Oracle	11g R2	10g R2 11g R1	12c R1		
MS SQL Server	2012	2008 R2 SP2		2008 R2	
PostgreSQL		9.3	9.2	8.4 9.1	
Postgres Plus Advanced Server (Enterprise DB)		9.3	9.2		
IBM DB2			10.1	9.7	
Sybase				15.7 ASE	

#### Directory servers

LDAP	Recommended	Supported	Compatible	Deprecated	Incompatible
OpenLDAP	2.4				
Active Directory	Windows Server 2012 R2	Windows Server 2008 Windows Server 2008 R2 Windows Server 2012			
RedHat Identity Server		9.0 9.1		8.1 8.2	
OpenDJ			2.6		
OpenDS			2.2 Update 1	1.2 2.0	

#### SSO Providers

SSO Providers	Recommended	Supported	Compatible	Deprecated	Incompatible
CAS		3.5	4.0		
SAML v2.0		SAML v2 2.0 IdP (*)			
SPNEGO		Over Kerberos (MS Windows)	Over NTLM (MS Windows) Over Kerberos (Linux/Unix)		
OpenAM		11.0	10.1		

(\*) Assumes eXo Platform is a SP

#### Web Browsers

Web Browser	Recommended	Supported	Compatible	Deprecated	Incompatible
Windows	IE11 Firefox (latest stable) Chrome (latest stable)	IE10		IE 9 (*)	IE8 and below Safari 5.1
Mac OS	Firefox (latest stable) Chrome (latest stable)	Safari 8	Safari 7	Safari 6	Safari 5.1
Linux	Firefox (latest stable)		Chrome (latest stable)		

(\*) Internet Explorer 9 may not benefit from an equivalent user experience due to limited compatibilities with modern html, css and javascript.

# eXo Platform 4.1

## Operating Systems and JVMs

Operating System	Recommended	Supported	Compatible	Deprecated	Incompatible
Ubuntu 14.04 LTS	Oracle JDK 1.7		Open JDK 1.7		Oracle/Open JDK 1.6 and below
RHEL 6.4	Oracle JDK 1.7		Open JDK 1.7		Oracle/Open JDK 1.6 and below
Windows Server 2012	Oracle JDK 1.7				Oracle JDK 1.6 and below
Ubuntu 12.04 LTS		Oracle JDK 1.7	Open JDK 1.7		Oracle/Open JDK 1.6 and below
RHEL 5.10		Oracle JDK 1.7	Open JDK 1.7		Oracle/Open JDK 1.6 and below
Windows Server 2008		Oracle JDK 1.7			Oracle JDK 1.6 and below
AIX 7.1			IBM SDK 7		IBM SDK 1.6 and below

## Application Servers

Application Server	Recommended	Supported	Compatible	Deprecated	Incompatible
Apache Tomcat	-	7.0 (*)(**)	-	-	-
JBoss EAP	6.2	6.1	6.3	-	6.0 and below

(\*) Apache Tomcat does not allow for clustered deployments (\*\*) Apache Tomcat support assumes the usage of the bundled Tomcat.

## Databases

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MySQL	5.5	5.1	5.6		
Oracle	11g R2	10g R2 11g R1	12c R1		
MS SQL Server	2012	2008 R2 SP2	2008 R2		
PostgreSQL		9.3 (EnterpriseDB)	9.2 9.3	8.4 9.1	
IBM DB2			10.1	9.7	
Sybase				15.7 ASE	

## Directory servers

LDAP	Recommended	Supported	Compatible	Deprecated	Incompatible
OpenLDAP	2.4				
Active Directory	Windows Server 2012 R2	Windows Server 2008 Windows Server 2008 R2 Windows Server 2012			
RedHat Identity Server		9.0 9.1		8.1 8.2	
OpenDJ			2.6		



OpenDS			2.2 Update 1	1.2 2.0	
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#### SSO Providers

SSO Providers	Recommended	Supported	Compatible	Deprecated	Incompatible
CAS		3.5			
OpenAM		11.0	10.1		
SAML v2.0		SAML v2 2.0 IdP (*)			
SPNEGO		Over Kerberos (MS Windows)	Over NTLM (MS Windows) Over Kerberos (Linux/Unix)		

(\*) Assumes eXo Platform is a SP

#### Web Browsers

Web Browser	Recommended	Supported	Compatible	Deprecated	Incompatible
Windows	IE11 Firefox (latest stable) Chrome (latest stable)	IE10		IE 9 (*)	IE8 and below Safari 5.1
Mac OS	Firefox (latest stable) Chrome (latest stable)	Safari 8	Safari 7	Safari 6	Safari 5.1
Linux	Firefox (latest stable)		Chrome (latest stable)		

(\*) Internet Explorer 9 may not benefit from an equivalent user experience due to limited compatibilities with modern html, css and javascript.

# eXo Platform 4.0

## Operating Systems and JVMs

Operating System	Recommended	Supported	Compatible	Deprecated	Incompatible
RHEL 6	Oracle JDK 1.7		Open JDK 1.7 Oracle JDK 1.6 Open JDK 1.6		
RHEL 5	Oracle JDK 1.7		Open JDK 1.7 Oracle JDK 1.6 Open JDK 1.6 IBM JDK 1.6 IBM JDK 1.7		
Windows Server 2008		Oracle JDK 1.7	Oracle JDK 1.6		

For each OS and JVM, the latest update is assumed

both x86 and x86\_64 architectures are assumed

## Application Servers

Application Server	Recommended	Supported	Compatible	Deprecated	Incompatible
Apache Tomcat		7.0 (*)(**)			
JBoss EAP	6.1		6.2		6.0 and below

(\*) Apache Tomcat does not allow for clustered deployments

(\*\*) Apache Tomcat support assumes the usage of the bundled Tomcat.

## Databases

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MySQL	5.5	5.1	5.6		
Oracle	11g R2	10g R2 11g R1	12c R1		
MS SQL Server	2008 R2 SP2	2008 R2	2012		
PostgreSQL		9.1 9.3 (EnterpriseDB)	9.2	8.4	
IBM DB2			9.7		
Sybase			15.7 ASE		

## Directory servers

LDAP	Recommended	Supported	Compatible	Deprecated	Incompatible
OpenLDAP	2.4		2.2 Update 1 2.0 1.2		
Red Hat Identity Server			9.0 8.2 8.1 7.1		

Active Directory	Windows Server 2012	Windows Server 2008 R2 Windows Server 2008			
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SSO Providers

SSO Providers	Recommended	Supported	Compatible	Deprecated	Incompatible
CAS	3.5				
OpenAM	10.0		9.5		
SAML2			Google, Salesforce		
SNPEGO		Over Kerberos	Over NTLM		

Web Browsers

Web Browsers	Recommended	Supported	Compatible	Deprecated	Incompatible
Windows	IE10 Firefox (latest stable) Chrome (latest stable)	IE9	IE8		IE7 and below
Mac OS	Firefox (latest stable) Chrome (latest stable)				
Linux	Firefox (latest stable)	Chrome (latest stable)			

# eXo Platform 3.5

## Operating Systems and JVMs

Operating System	Recommended	Supported	Compatible	Deprecated	Incompatible
RHEL 6	Open JDK 1.6	IBM JDK 1.6 Sun JDK 1.6			
RHEL 5	Open JDK 1.6	IBM JDK 1.6 Sun JDK 1.6			
Windows Server 2008	Sun JDK 1.6				
Solaris 10	Sun JDK 1.6				

## Application Servers

Application Server	Recommended	Supported	Compatible	Deprecated	Incompatible
Apache Tomcat	6.0.32				
JBoss EAP	5.1.1				

## Databases

Database	Recommended	Supported	Compatible	Deprecated	Incompatible
MySQL	5.5.14 5.1.36				
PostgreSQL	8.4.6	8.2.4 8.3.7			
Oracle	Oracle 11g R2 (11.2.0.1.0)	Oracle 11g R1 (11.1.0.6.0) Oracle 10g R2 (10.2.0.4)	Oracle 11g RAC		
MS SQL Server	2008	2005 (SP1)			
IBM DB2			9.7.4		
Sybase			15.0.3 ASE		

## Directory servers

LDAP	Recommended	Supported	Compatible	Deprecated	Incompatible
OpenLDAP	2.4				
OpenDS	2.0	1.2			
Red Hat Identity Server			7.1 or later		
Active Directory	Windows Server 2008				

## SSO Providers

SSO Providers	Recommended	Supported	Compatible	Deprecated	Incompatible
CAS	3.3				
OpenAM	9.5				
OpenSSO	8.0				

## Web Browser

Web Browser	Recommended	Supported	Compatible	Deprecated	Incompatible
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Windows	IE9 Firefox 4+ (latest stable) Chrome 5+ (latest stable)	IE8 Firefox 3.6	IE7		IE6
Mac OS	Firefox 4+ (latest stable) Safari 5	Firefox 3.6			
Linux	Firefox 4+ (latest stable)	Firefox 3.6			