

## Which TLS version is compatible with my software platform or operating system I use?

Ioanna Anifanti - 2022-11-17 - SSL Πιστοποιητικά

TLS is a powerful encryption protocol used to securely transfer data over networks which helps establish a reliable private communication channel. It is widely used in our daily lives in a number of applications such as web browsing, email service, file transfer, instant messaging, teleconferencing, VoIP, etc.

Over time, new attacks against the TLS protocol are discovered, resulting in newer versions being released to fill the security gaps identified. The use of obsolete versions of TLS leads to an increased risk of exploiting the vulnerabilities of the protocol by malicious users.

**Since versions of TLS v1.0 & v1.1 are deprecated due to their vulnerabilities, our servers will no longer support them after 31/03/2021 for security reasons. The versions of TLS protocol that will be supported on our servers are TLS v1.2 & TLS v1.3.**

**Below you may find different software platforms and operating systems and their compatibility with TLSv1.0, v1.1, v1.2, & v1.3.**

<b>Browsers</b>	<b>TLS 1.0</b>	<b>TLS 1.1</b>	<b>TLS 1.2</b>	<b>TLS 1.3</b>
Mobile IE version 10 and below	Yes	No	No	No
Desktop IE versions 7 and below	Yes	No	No	No
Desktop IE versions: 8, 9, and 10	Yes	Partial	Partial	No
Desktop and mobile IE version 11	Yes	Yes	Yes	No
Microsoft Edge	Yes	Yes	Yes	No
Mozilla Firefox 22 and below	Yes	No	No	No
Mozilla Firefox 23 to 26	Yes	Partial	Partial	No
Mozilla Firefox 27 and higher	Yes	Yes	Yes	No
Google Chrome 21 and below	Yes	No	No	No
Google Chrome 22 to 37	Yes	Partial	Partial	No
Google Chrome 38 and higher	Yes	Yes	Yes	No
Android 4.3 (Jelly Bean) and below	Yes	No	No	No
Android 4.4 (Kitkat) to 4.4.4	Yes	Partial	Partial	No
Android 5.0 (Lollipop) and higher	Yes	Yes	Yes	No
Mobile Safari for iOS 4 and below	Yes	No	No	No
Mobile Safari versions 5 and higher for iOS 5 and higher	Yes	Yes	Yes	No
Desktop Safari versions 6 and below for OS X 10.8 (Mountain Lion) and below	Yes	No	No	No
Desktop Safari versions 7 and higher for OS X 10.9 (Mavericks) and higher	Yes	Yes	Yes	No

<b>Desktop Clients</b>	<b>TLS 1.0</b>	<b>TLS 1.1</b>	<b>TLS 1.2</b>	<b>TLS 1.3</b>
Windows XP	Yes	No	No	No
Windows XP SP3	Yes	Yes	No	No
Windows Vista	Yes	No	No	No
Windows 7 SP1	Yes	Yes	Yes	No
Windows 8	Yes	Partial	Partial	No
Windows 8.1	Yes	Yes	Yes	No
Windows 10	Yes	Yes	Yes	No
MAC OS X 10.2 and 10.3	Yes	No	No	No
MAC OS X 10.4 and 10.5	Yes	No	No	No
MAC OS X 10.6 and 10.7	Yes	No	No	No
MAC OS X 10.8	Yes	No	No	No
MAC OS X 10.9	Yes	Yes	Yes	No
MAC OS X 10.10	Yes	Yes	Yes	No
MAC OS X 10.11	Yes	Yes	Yes	No
MAC OS X 10.12	Yes	Yes	Yes	No
MAC OS X 10.13	Yes	Yes	Yes	No
Linux	Yes	No	No	No

**Mobile Clients**

	<b>TLS 1.0</b>	<b>TLS 1.1</b>	<b>TLS 1.2</b>	<b>TLS 1.3</b>
Airwatch	Yes	Yes	Partial	No
Android versions: 1.0 to 4.4.4	Yes	No	No	No
Android versions: 5.0 to 8.1 and Android P	Yes	Yes	Yes	No
iPhone OS versions: 1, 2, 3, and 4	Yes	No	No	No
iPhone OS versions: 5, 6, 7, 8, 9, 10, and 11	Yes	Yes	Yes	No
MobileIron Core versions 9.4 and below	Yes	No	No	No
MobileIron Core versions 9.5 and higher	Yes	Yes	Yes	No
MobileIron Cloud	Yes	Yes	Yes	No
Windows Phone versions: 7, 7.5, 7.8 and 8	Yes	No	No	No
Windows Phone version 8.1	Yes	Yes	Yes	No
Windows 10 Mobile versions: v1511, v1607, v1703, and v1709	Yes	Yes	Yes	No

**Servers**

	<b>TLS 1.0</b>	<b>TLS 1.1</b>	<b>TLS 1.2</b>	<b>TLS 1.3</b>
Windows Server 2003	Yes	Partial	Partial	No
Windows Server 2008	Yes	Partial	Partial	No
Windows Server 2008 SP 2 with windows update installed	Yes	Yes	Yes	No
Windows Server 2008 R2	Yes	Yes	Yes	No
Windows Server 2012	Yes	Partial	Partial	No
Windows Server 2012 R2	Yes	Yes	Yes	No
Windows Server 2016	Yes	Yes	Yes	No

**Libraries**

	<b>TLS 1.0</b>	<b>TLS 1.1</b>	<b>TLS 1.2</b>	<b>TLS 1.3</b>
.NET 3.5 and below	Yes	No	No	No
.NET 4.0	Yes	Yes	Partial	No
.NET 4.5 to 4.5.2	Yes	Partial	Partial	No
.NET 4.6 and higher	Yes	Yes	Yes	No
OpenSSL versions: 1.0.0 and below	Yes	No	No	No
OpenSSL versions: 1.0.1 and higher	Yes	Yes	Yes	No
Mozilla - NSS versions: 3.13.6 and below	Yes	No	No	No
Mozilla - NSS versions: 3.14 to 3.15	Yes	Yes	No	No
Mozilla - NSS versions: 3.15.1 and higher	Yes	Yes	Yes	No