

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

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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.

| Browsers | TLS 1.0 | TLS 1.1 | TLS 1.2 | TLS 1.3 |
|---|----------------|----------------|----------------|----------------|
| 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 |

| Desktop Clients | TLS 1.0 | TLS 1.1 | TLS 1.2 | TLS 1.3 |
|------------------------|----------------|----------------|----------------|----------------|
| 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

| | TLS 1.0 | TLS 1.1 | TLS 1.2 | TLS 1.3 |
|--|----------------|----------------|----------------|----------------|
| 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

| | TLS 1.0 | TLS 1.1 | TLS 1.2 | TLS 1.3 |
|--|----------------|----------------|----------------|----------------|
| 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

| | TLS 1.0 | TLS 1.1 | TLS 1.2 | TLS 1.3 |
|---|----------------|----------------|----------------|----------------|
| .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 |