

## About Transport Layer Security (TLS)

Transport Layer Security (TLS) is a protocol that ensure that a connection to a remote endpoint is securely encrypted in order to provide privacy and data integrity.

Web applications such as Online banking use TLS as a key component of their security.

**TLS 1.2 is the most current version and is considered to be the most secure.**

- TLS 1.0 and 1.1 are earlier, now less secure versions.
- The predecessor to TLS, Secure Sockets Layer (SSL), has already been disabled.

## TLS Preparations

To prepare for this change, you will need to ensure that you are using an operating system and browser that support TLS 1.2. Below is a basic TLS 1.2 compatibility chart.

Browsers and Operating Systems	TLS 1.2 Compatibility Notes
Microsoft Edge	Compatible by default
Microsoft IE Desktop and Mobile version 11	Compatible by default
Microsoft IE Desktop versions 9 and 10	Capable when run in Windows 7 or newer, but not enabled by default
Firefox 27 and higher	Compatible by default
Google Chrome 38 and higher	Compatible by default
Mobile Safari versions 5 and higher	Compatible by default
Microsoft Windows Server 2008 R2 and higher	Compatible by default
Microsoft Windows Server 2008 and below	Not compatible with TLS 1.2
Microsoft Windows 7, 8.0, 8.1, and 10	Compatible by default
Microsoft XP/Vista and below	Not compatible with TLS 1.2

## How to Enable Transport Layer Security (TLS) 1.2

1. From your internet browser, select Tools, then **Internet Options**.
2. Click the **Advanced Tab** and scroll down to Security section.
3. Scroll down and ensure that TLS 1.2 is checked. If not, check **TLS 1.2** and select **Apply, Ok**.

