

## Internet browser compatibility guidelines

The following table lists the most common internet browsers. The table lists each browser with the compatibility of TLSv1.2 for recent versions.

Browser	TLS 1.2 Compatibility Notes
<b>Microsoft Edge</b>	<b>Compatible by default</b>
Desktop and mobile versions	Compatible by default
<b>Microsoft Internet Explorer (IE)</b>	
Desktop and mobile IE version 11	Compatible by default
Desktop IE versions 9 and 10	Capable when run in Windows 7 or newer, but not by default. Windows Vista and older operating systems, such as Windows XP, are not compatible with TLS 1.2 encryption.
Desktop IE versions 8 and below	Not compatible or stable with TLS 1.2 encryption.
<b>Mozilla Firefox</b>	<b>Compatible with the most recent, stable version, regardless of operating system</b>
Firefox 27 and higher	Compatible by default
Firefox 23 to 26	Capable, but not by default.
Firefox 22 and below	Not compatible with TLS 1.2 or higher encryption.
<b>Google Chrome</b>	<b>Compatible with the most recent, stable version, regardless of operating system</b>
Google Chrome 38 and higher	Compatible by default
Google Chrome 22 to 37	Capable when run in Windows XP SP3, Vista, or newer (desktop), OS X 10.6 (Snow Leopard) or newer (desktop), or Android 2.3 (Gingerbread) or newer (mobile)
Google Chrome 21 and below	Not compatible with TLS 1.2 encryption.
<b>Google Android OS Browser</b>	

Browser	TLS 1.2 Compatibility Notes
Android 6.0 (Marshmallow) and higher	Compatible by default
Android 5.0 (Lollipop) and higher	Compatible by default
Android 4.4 (KitKat) to 4.4.4	Capable, but not by default.
Android 4.3 (Jelly Bean) and below	Not compatible with TLS 1.2 encryption.
<b>Apple Safari</b>	
Desktop Safari versions 7 and higher for OS X 10.9 (Mavericks) and higher	Compatible by default
Desktop Safari versions 6 and below for OS X 10.8 (Mountain Lion) and below	Not compatible with TLS 1.2 encryption.
Mobile Safari versions 5 and higher for iOS 5 and higher	Compatible by default
Mobile Safari for iOS 4 and below	Not compatible with TLS 1.2 encryption.