Ways to check TLS versions in browsers

Please refer to following steps to check which TLS version are enabled in common web browsers.

<u>Steps</u>

a. You can simply test whether your web browser is supporting TLS 1.2 by visiting <u>https://www.ssllabs.com/ssltest/viewMyClient.html</u>. If it prompts "Your user agent supports TLS 1.2" under "Protocol Support", no further follow up is required.

Protoco	ol Support	
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	Your user agent supports TLS 1.2 and TLS 1.3, which are recommended protocol version at the moment.	
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- b. Alternatively, you can check the TLS support in different web browsers.
 - i. For Google Chrome & Microsoft Edge browser:
 - In the Windows menu search box, type 'Internet options'.
 - In the Internet Properties window, on the 'Advanced' tab, scroll down to the 'Security' section.



General Security Privacy Content Connections Programs Advance Settings Enable Enhanced Protected Mode* Enable Integrated Windows Authentication* Enable Integrated Windows Authentication* Enable Net Windows Defender SmartScreen Send Do Not Track requests to sites you visit in Internet E Use SSL 3.0 Use TLS 1.1 Use TLS 1.2 Use TLS 1.3 (experimental) Warn about certificate address mismatch* Warn if changing between secure and not secure mode Warn if POST submittal is redirected to a zone that does n * *Takes effect after you restart your computer Reset Internet Explorer settings Resets Internet Explorer's settings to their default condition. You should only use this if your browser is in an unusable state.						-	Advar	
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• Click **OK** and **restart the browser**.

ii. For Mozilla Firefox browser:

- Open Mozilla Firefox browser.
- In the address bar, type 'about:config' and press Enter.
- In the Search field, enter 'tls'. Find and double click the entry for "security. tls. version. min".
- \circ Make sure the integer value is '**3**' to force a minimum protocol of TLS 1.2.

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security.tls13.aes_256_gcm_sha384	true			⇒	
security.tls13.chacha20_poly1305_sha256	true			⇒	
tls	O Boolean	O Number	O String	+	

• Click **OK** and restart the browser.

iv. For Opera browser:

- o Open Opera
- Click 'Ctrl' + F12
- Select the **Advanced** Tab.
- Scroll down to the Security section and click on the Security Protocols Button.
- Manually check the option boxes for Enable TLS 1.2.

Tabs Browsing Notifications	Security Protocols	2
Content Fonts Downloads Programs	Enable TLS1	Details >>
History Cookies Security	V Enable TLS1.2	OK Cancel Help
Network Storage	Security Protocols	
Toolbars	Trusted Websites	
Shortcuts	Auto-update	Automatically install updates 🔹

- Click **OK**.
- Close your browser and restart Opera.