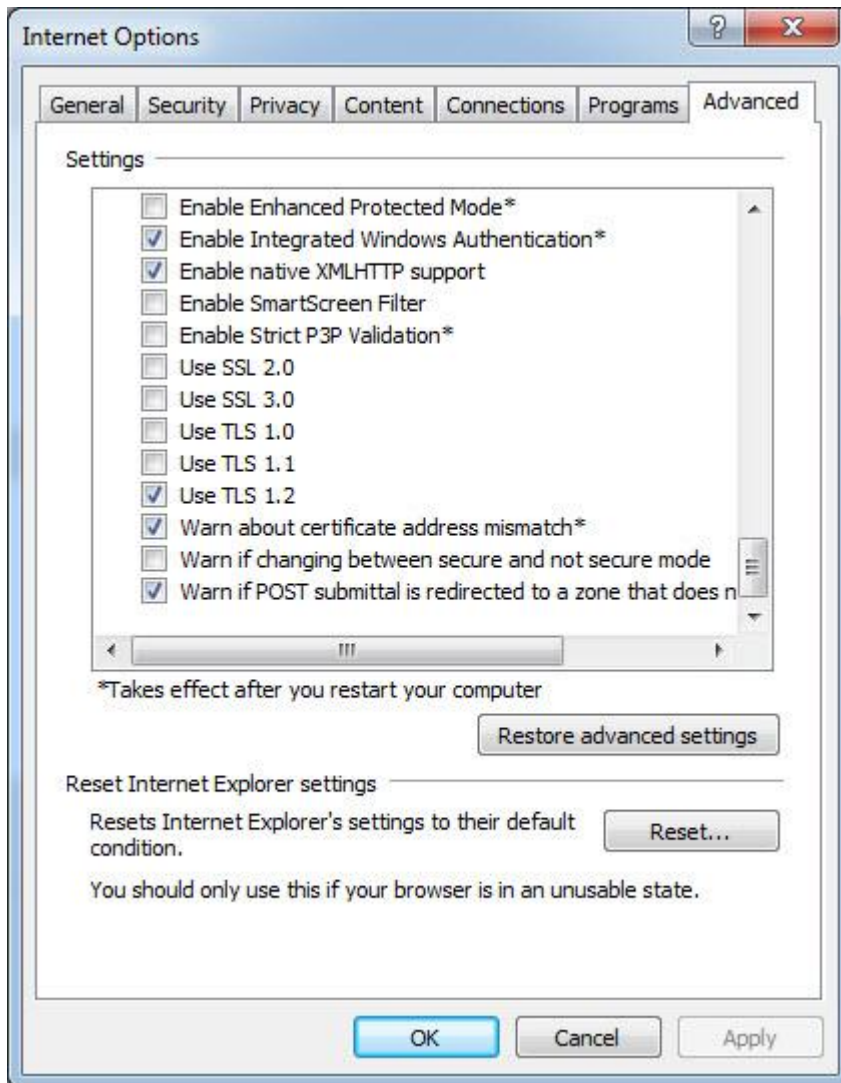


# Enabling TLS 1.2 on web browsers

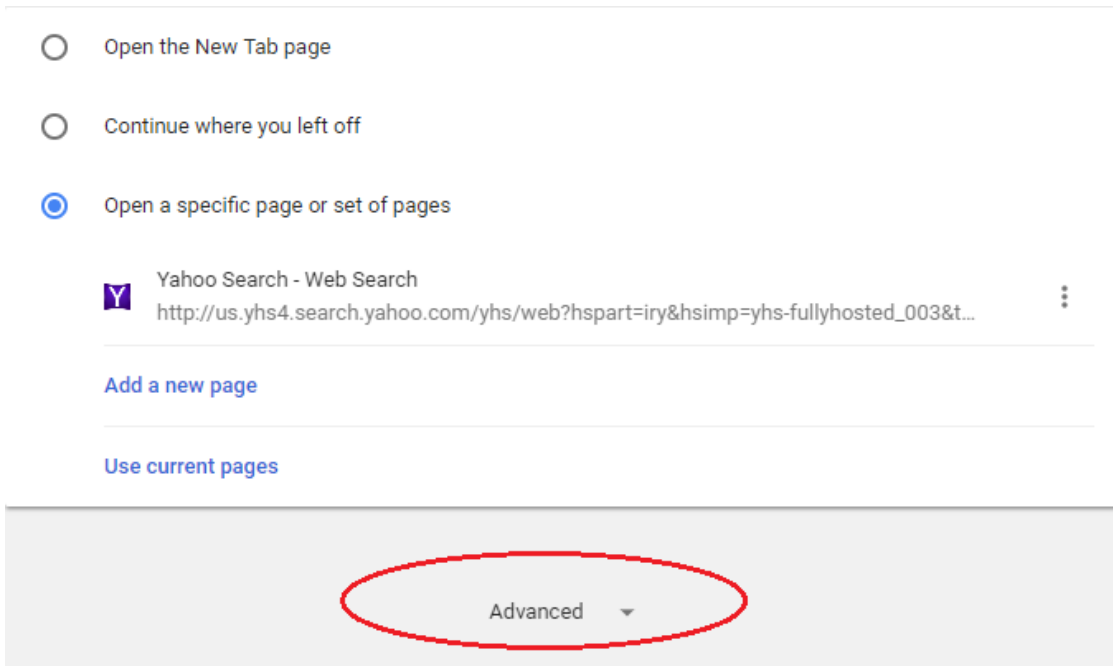
## Microsoft Internet Explorer

1. Open **Internet Explorer**
2. From the menu bar, click **Tools** → **Internet Options** → **Advanced** tab
3. Scroll down to **Security** category, manually check the option box for **Use TLS 1.2**
4. Click **OK**
5. Close your browser and restart Internet Explorer

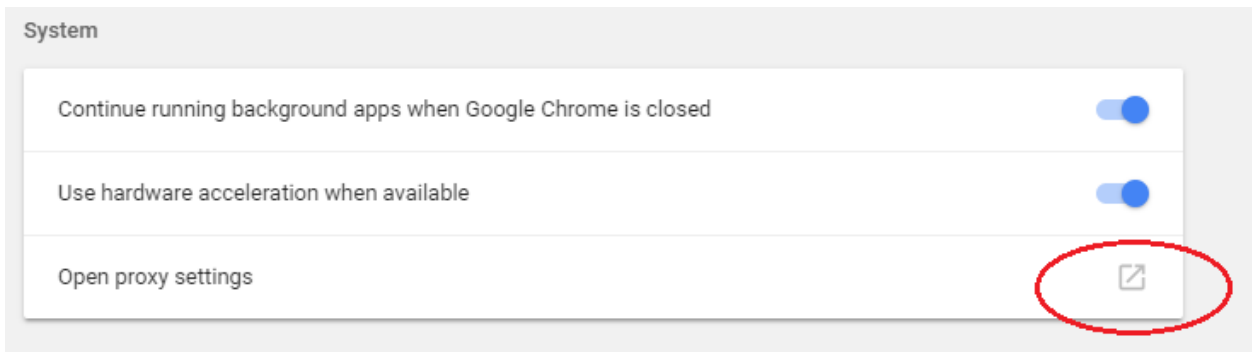


## Google Chrome

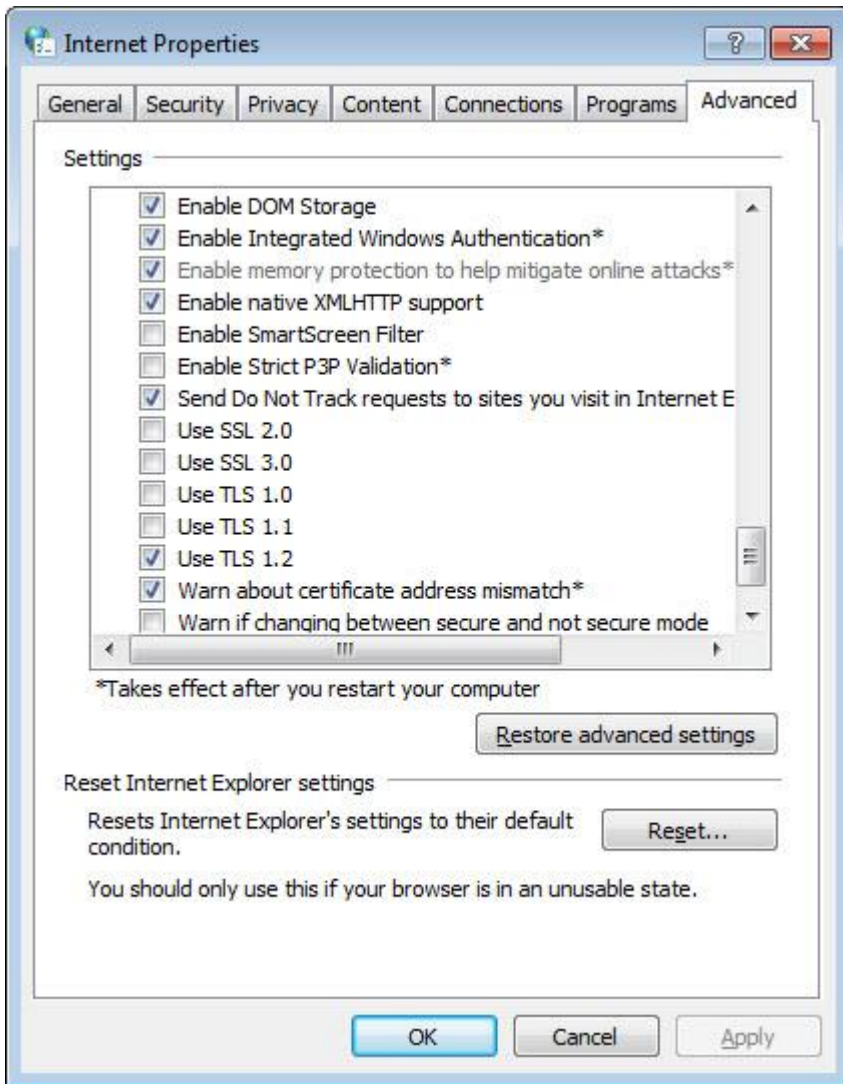
1. Open **Google Chrome**
2. Click **Alt F** and select **Settings**
3. Scroll down and click on **Advanced**



4. Scroll down to the **System** section and click on **Open proxy settings**



5. Select the **Advanced** tab
6. Scroll down to **Security** category, manually check the option box for **Use TLS 1.2**

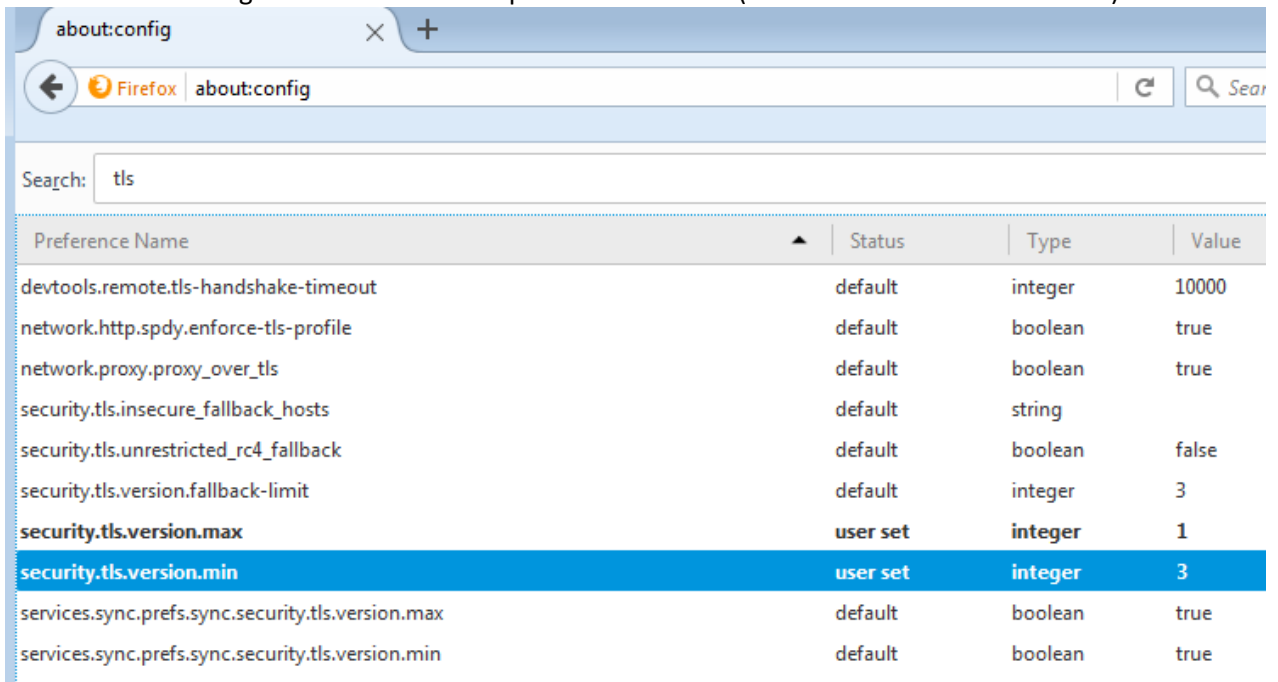


7. Click **OK**
8. Close your browser and restart Google Chrome

## Mozilla Firefox

1. Open **Firefox**
2. In the address bar, type **about:config** and press Enter
3. In the **Search** field, enter **tls**. Find and double-click the entry for **security.tls.version.min**

4. Set the integer value to 3 to force protocol of TLS 1.2 (value 3 means TLS 1.2 enabled)



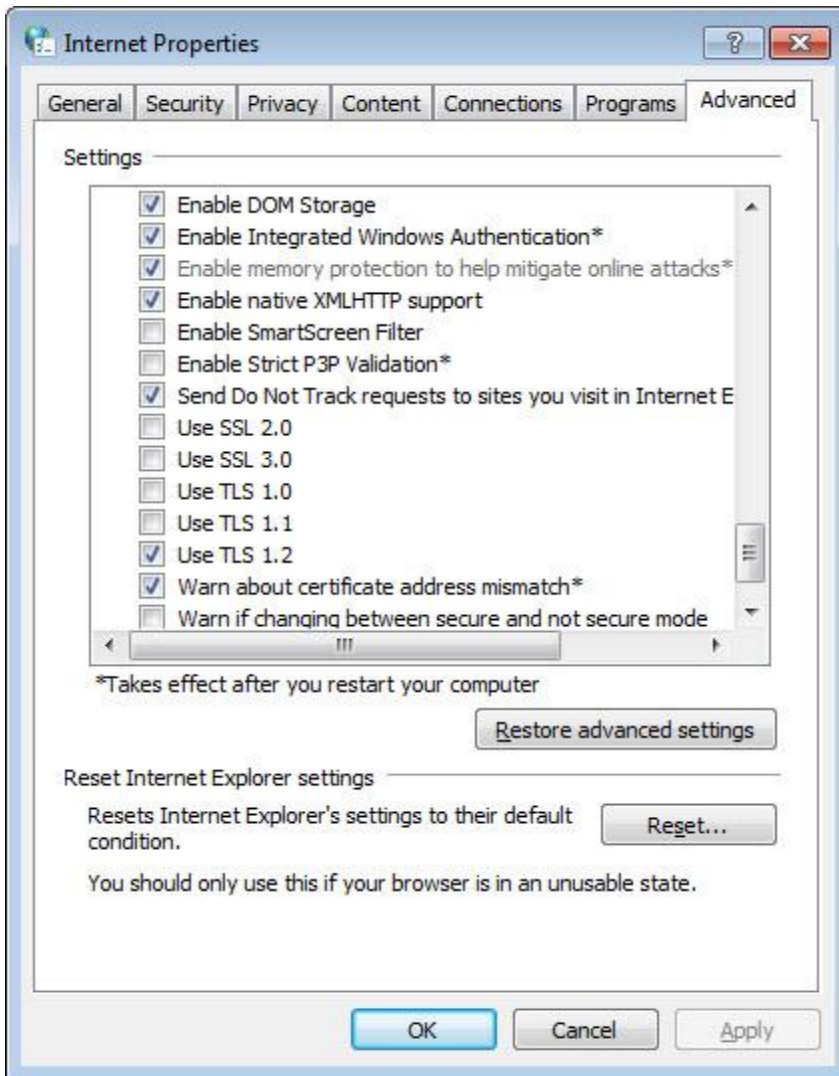
The screenshot shows the Firefox 'about:config' page. The search bar contains 'tls'. A table lists various preferences, with 'security.tls.version.min' highlighted in blue. The table has columns for Preference Name, Status, Type, and Value.

Preference Name	Status	Type	Value
devtools.remote.tls-handshake-timeout	default	integer	10000
network.http.spdy.enforce-tls-profile	default	boolean	true
network.proxy.proxy_over_tls	default	boolean	true
security.tls.insecure_fallback_hosts	default	string	
security.tls.unrestricted_rc4_fallback	default	boolean	false
security.tls.version.fallback-limit	default	integer	3
<b>security.tls.version.max</b>	<b>user set</b>	<b>integer</b>	<b>1</b>
<b>security.tls.version.min</b>	<b>user set</b>	<b>integer</b>	<b>3</b>
services.sync.prefs.sync.security.tls.version.max	default	boolean	true
services.sync.prefs.sync.security.tls.version.min	default	boolean	true

5. Click **OK**
6. Close your browser and restart Mozilla Firefox

## Opera

1. Open **Opera**
2. Click **Ctrl** plus **F12**
3. Scroll down to the **Network** section and click on **Change proxy settings...**
4. Select the **Advanced** tab
5. Scroll down to **Security** category, manually check the option box for **Use TLS 1.2**



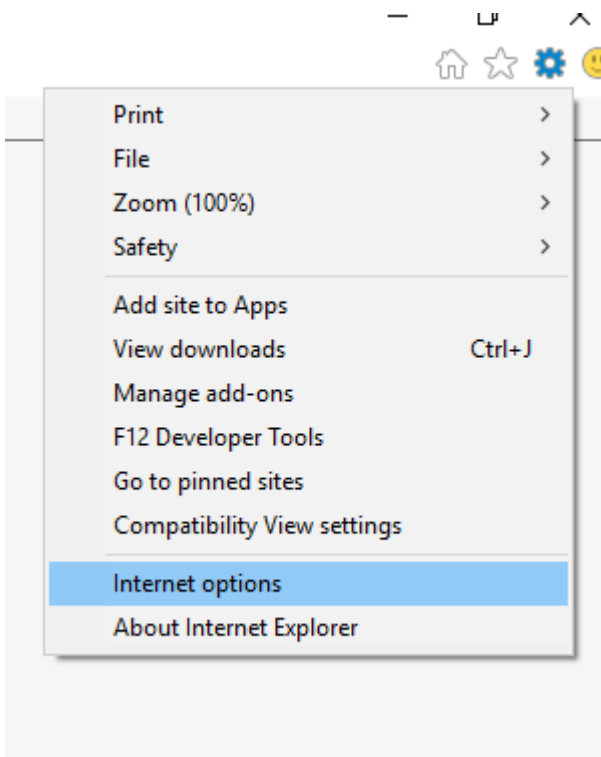
6. Click **OK**
7. Close your browser and restart Opera

## Apple Safari

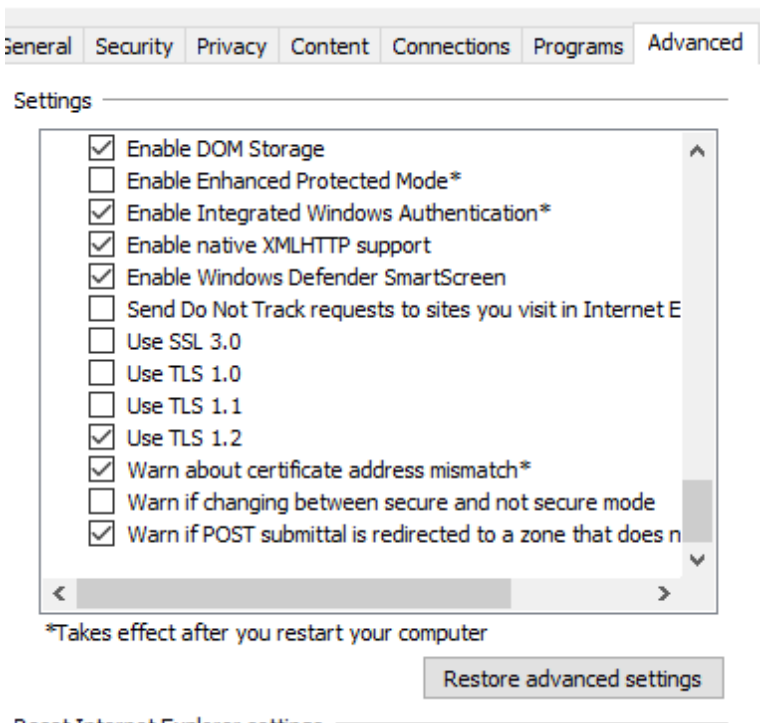
There are no options for enabling SSL protocols. If you are using Safari version 7 or greater, TLS 1.2 is automatically enabled.

## Microsoft Edge

1. Open **Microsoft Edge** and click on the Gear in the upper right corner



2. Click on the Advanced tab and scroll all the way to the bottom



3. Make sure that "Use TLS 1.2" is checked and then hit OK.