How to Disable Browser Support for the SSL 3.0 Protocol

Depending on how your browser is configured, you may want to disable SSL v3 and enable TLS 1.0, TLS 1.1, and TLS 1.2 (if these protocols are not enabled by default). Note that older versions of Internet Explorer may not have the TLS 1.1 and 1.2 protocols.

- Internet Explorer

  [Internet Explorer: How to Disable the SSL v3 Protocol](#)

- Mozilla Firefox

  [Mozilla Firefox: How to Disable the SSL v3 Protocol](#)

- Google Chrome

 [Google Chrome: How to Disable the SSL v3 Protocol](#)

Internet Explorer: How to Disable the SSL 3.0 Protocol

Although these instructions and screenshots are for Internet Explorer (IE) 10, they will work for other versions of IE.
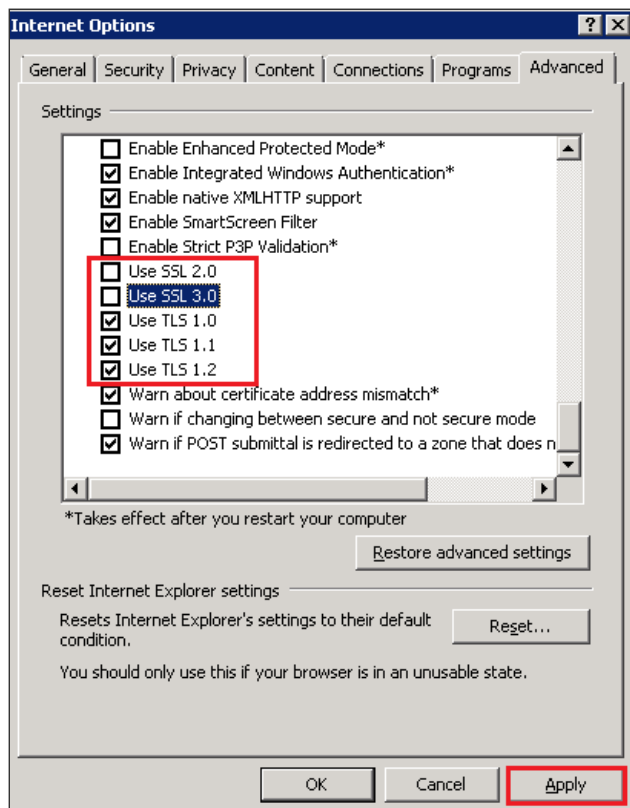
1. Open IE.

2. In IE, click the **Tools** symbol (gear) and then, click **Internet Options**.

3. In the **Internet Options** window on the **Advanced** tab, under **Settings**, scroll down to the **Security** section.
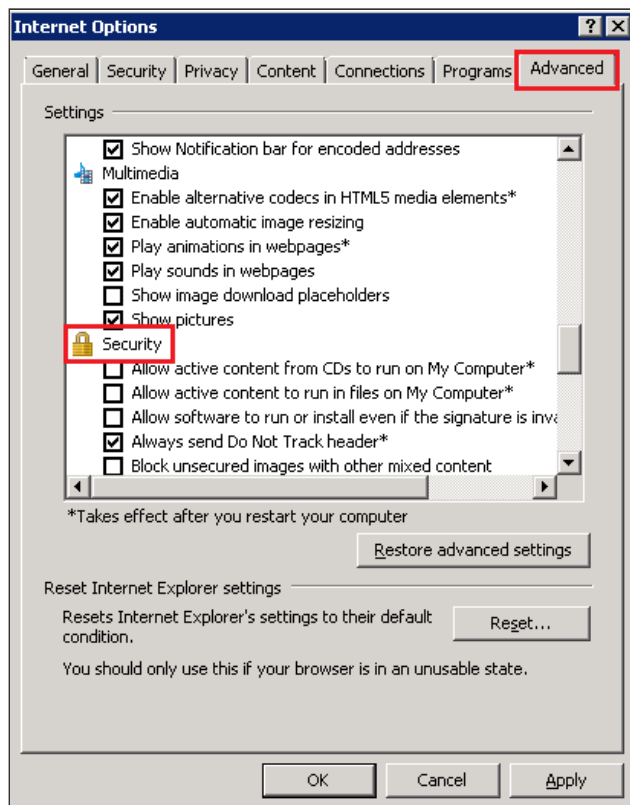
4. In the **Security** section, locate the **Use SSL** and **Use TLS** options and uncheck **Use SSL 3.0** and **Use SSL 2.0**.

5. If they are not already selected, check **Use TLS 1.0**, **Use TLS 1.1**, and **Use TLS 1.2**.

   Note: If not all the TLS options are available, just check the ones that are. For example, in IE6, the **Use TLS 1.0** may be the only available TLS option.

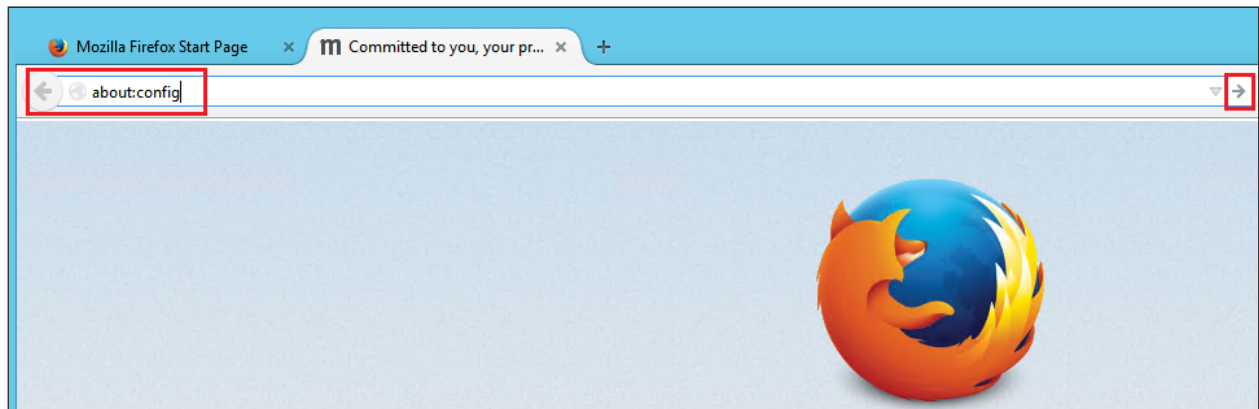6. Next, click **Apply** and then, click **OK**.

You have successfully disabled the SSL 3.0 protocol in your IE browser.

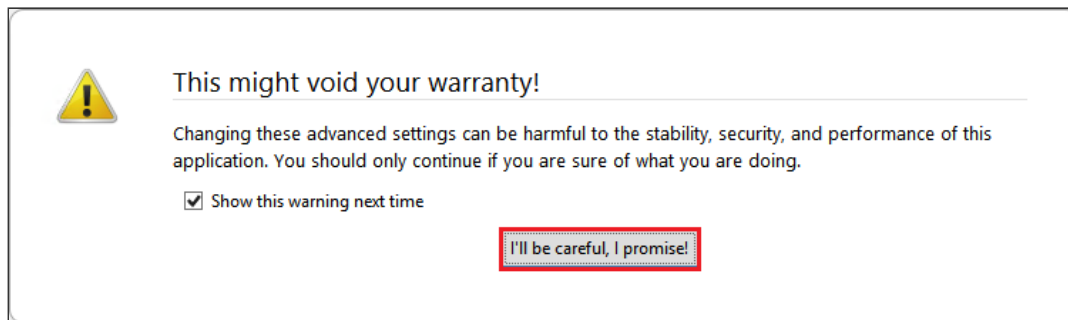# Mozilla Firefox: How to Disable the SSL 3.0 Protocol

Firefox is currently working on a new version of the Firefox browser in which the SSL 3.0 protocol support has been removed. If you don't want to wait for that version to come out, you can use these instructions to turn off the SSL 3.0 support, until the next version of Firefox is released.

Although these instructions and screenshots are for Mozilla Firefox 31, they will work for other versions of Firefox.
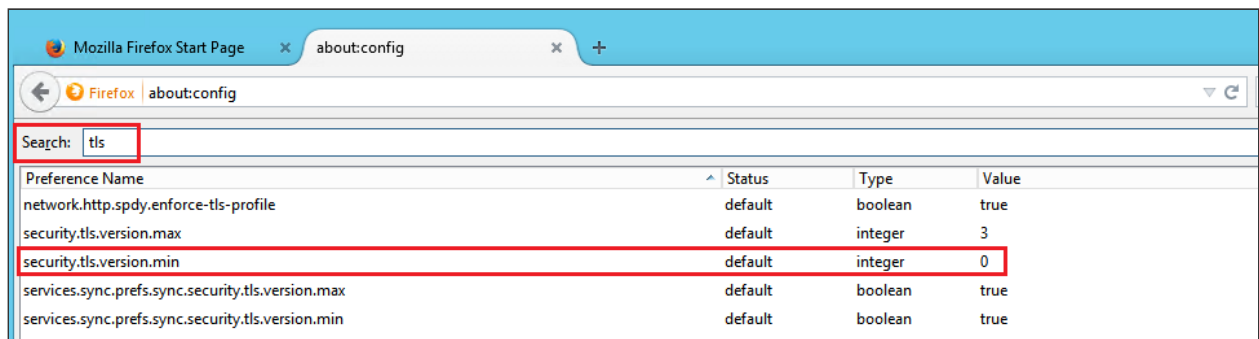
1. Open Firefox.

2. In the **Location Bar**, enter *about:config* and click the **Go to the address in the Location Bar** symbol (arrow).


3. When you receive the *"This might void your warranty"* message, click **I'll be careful, I promise!**.

4. On the **about:config** page, in the **Search** box, enter *tls* and wait for the list to populate.

5. Next, in the list, double-click **security.tls.version.min**.

6. In the **Enter integer value** window, in the **security.tls.version.min** box, type *1* to make TLS 1.0 the minimum required protocol version, and then click **OK**.
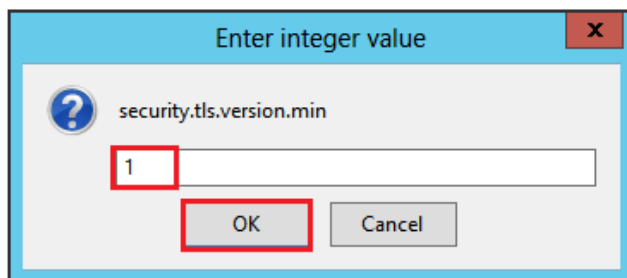
7. You have successfully disabled the SSL 3.0 protocol in your Firefox browser.

Google Chrome: How to Disable the SSL 3.0 Protocol

Google is currently testing a new version of Chrome in which the SSL 3.0 protocol support has been removed. If you don't want to wait for that version to come out, you can use these instructions to create a shortcut that allows you to open chrome with the SSL 3.0 support turned off, until the next version of Chrome is released.
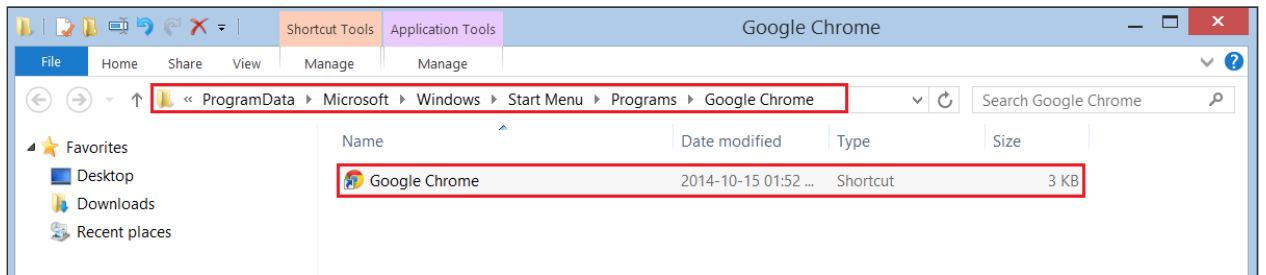
Although these instructions and screenshots are for Google Chrome 38, they will work for other versions of Chrome.

1. Locate the Google Chrome shortcut; typically, this shortcut is on your desktop.
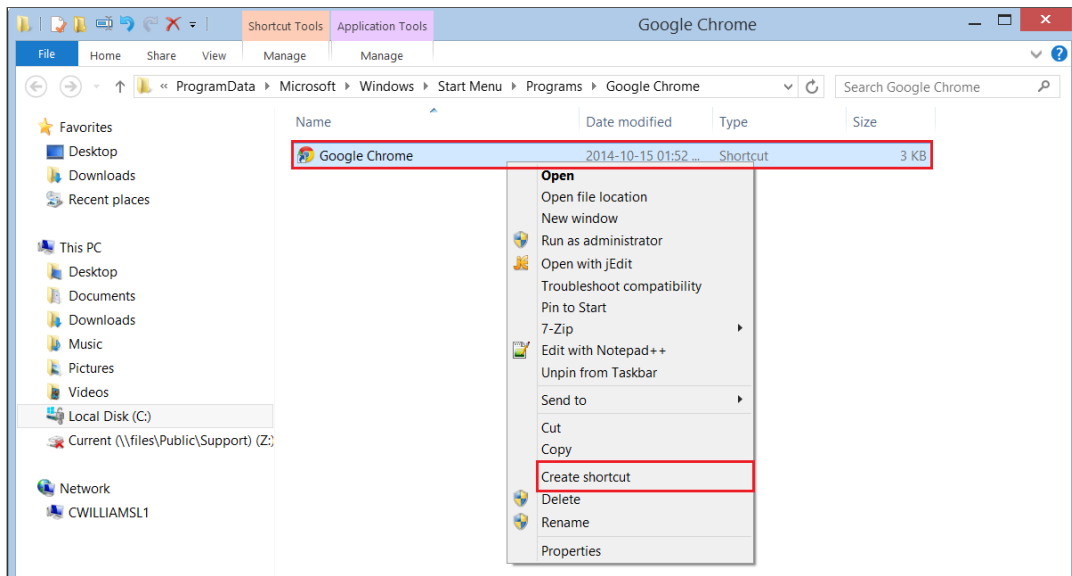
    If you don't have a Google Chrome shortcut, create one.

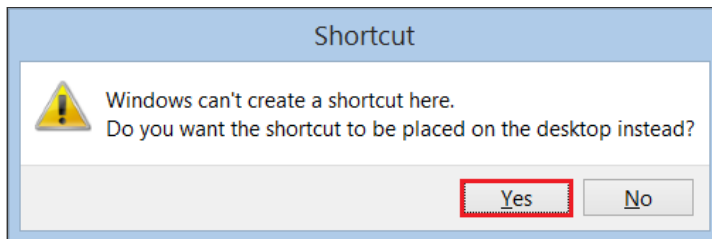   i. Open the folder in which the Google Chrome application is located.

        For example: *C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Google Chrome*
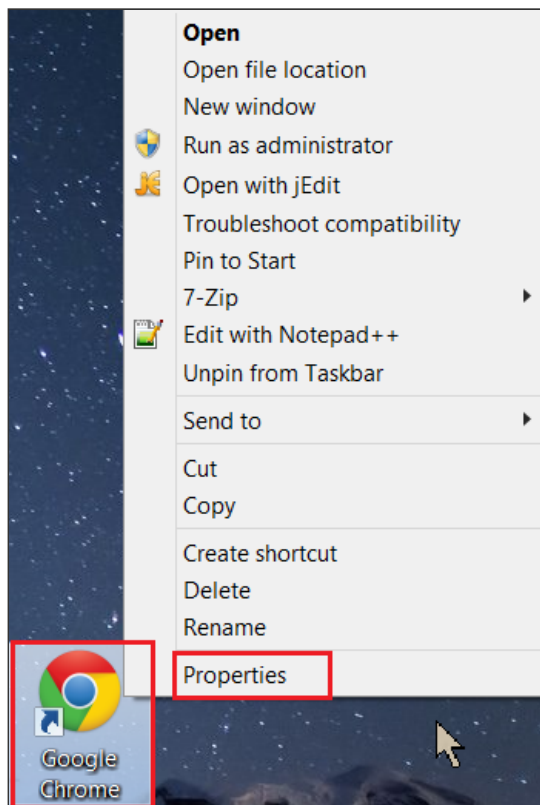
ii. In the **Google Chrome** folder, right-click on the **Google Chrome** shortcut and then, click **Create shortcut**.

iii. In the **Shortcut** window, click **Yes** to create a shortcut on your desktop.

2. Right-click on the **Google Chrome** shortcut and then, click **Properties**.
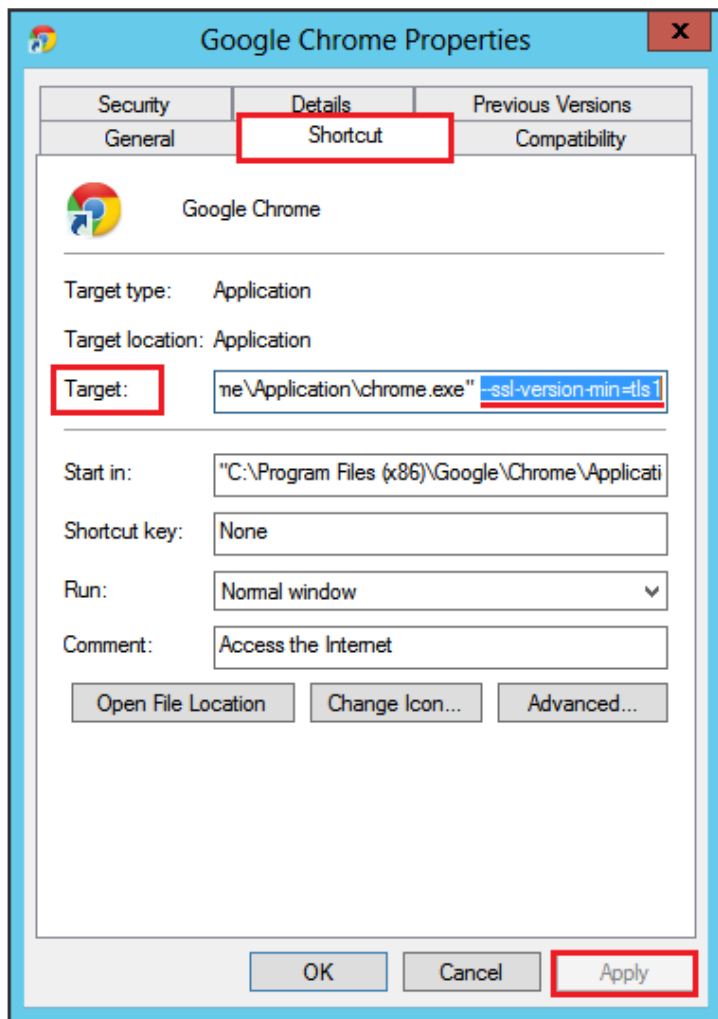
3. In the **Google Chrome Properties** window on the **Shortcut** tab, in the **Target** field, add the following line to the existing **Target**:

```
Add: --ssl-version-min=tls1
To: "C:\Program Files (x86)\Google\Chrome\Application\chrome.exe"
Make sure that you add a space between chrome.exe" and --ssl-version-min=tls1
"C:\Program Files (x86)\Google\Chrome\Application\chrome.exe" --ssl-version-min=tls1
```

4. Next, click **Apply** and then, click **OK**.

5. **From now on** (until Google releases the version of Chrome in which support fore the SSL 3.0 protocol is removed), to open Google Chrome, **you must use this shortcut**.

   Whenever you use this shortcut to open Google Chrome, this instance of the Google Chrome browser will not support the SSL 3.0 protocol.

6. You have successfully disabled the SSL 3.0 protocol in your Chrome browser.