



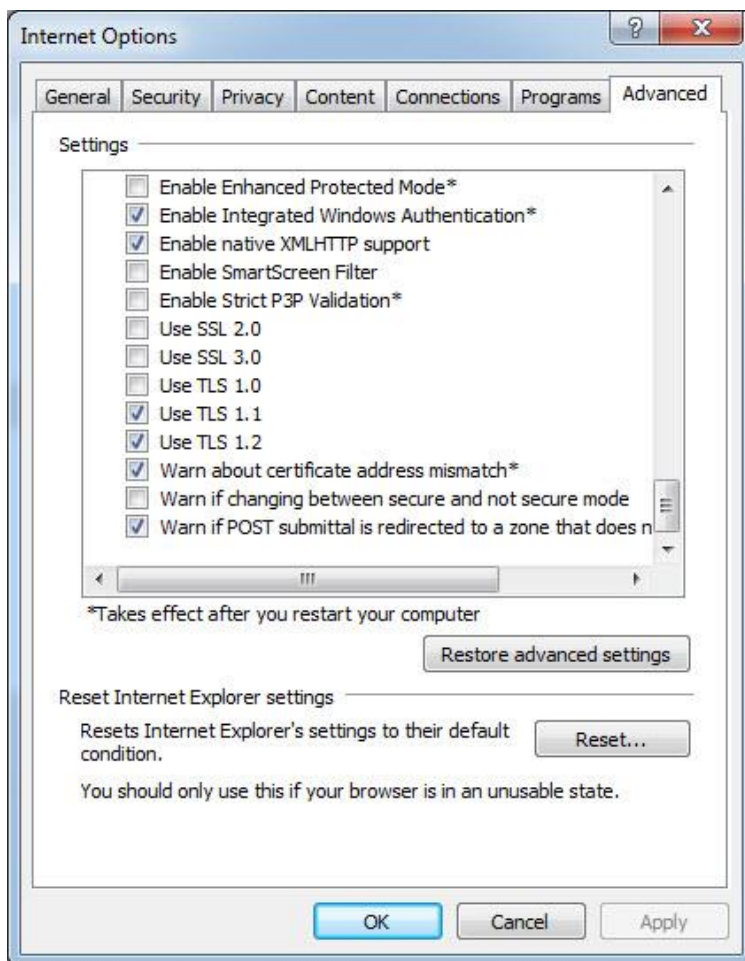
TLS Security Settings Required for Chase Transactions

Contents

Microsoft Internet Explorer	1
Google Chrome	2
Mozilla Firefox.....	3
Opera	4
Apple Safari.....	5

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 1.1 and Use TLS 1.2



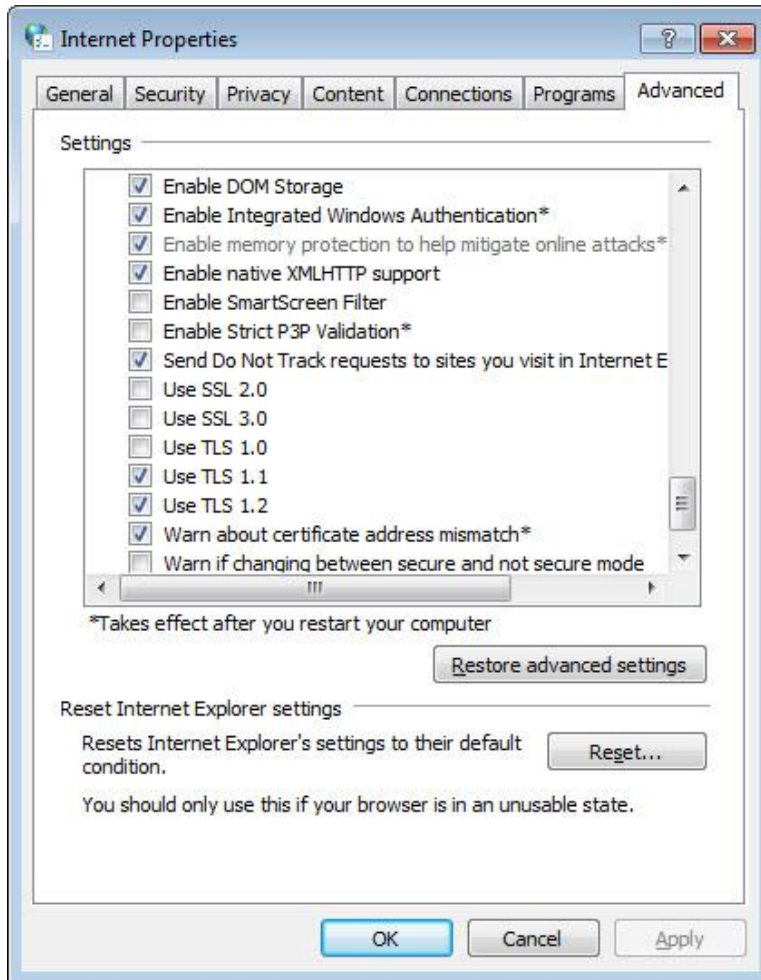
4. Click **OK**
5. Close your browser and restart Internet Explorer



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Google Chrome

1. Open Google Chrome
2. Click Alt F and select Settings
3. Scroll down and select Show advanced settings...
4. Scroll down to the Network section and click on Change proxy settings...
5. Select the Advanced tab
6. Scroll down to Security category, manually check the option box for Use TLS 1.1 and Use TLS 1.2



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



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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 1.3

The screenshot shows the Firefox 'about:config' page with a search for 'tls'. The search results are displayed in a table with columns for Preference Name, Status, Type, and Value. The entry 'security.tls.version.min' is highlighted in blue, indicating it is selected.

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
security.tls.version.max	user set	integer	1
security.tls.version.min	user set	integer	3
services.sync.prefs.sync.security.tls.version.max	default	boolean	true
services.sync.prefs.sync.security.tls.version.min	default	boolean	true

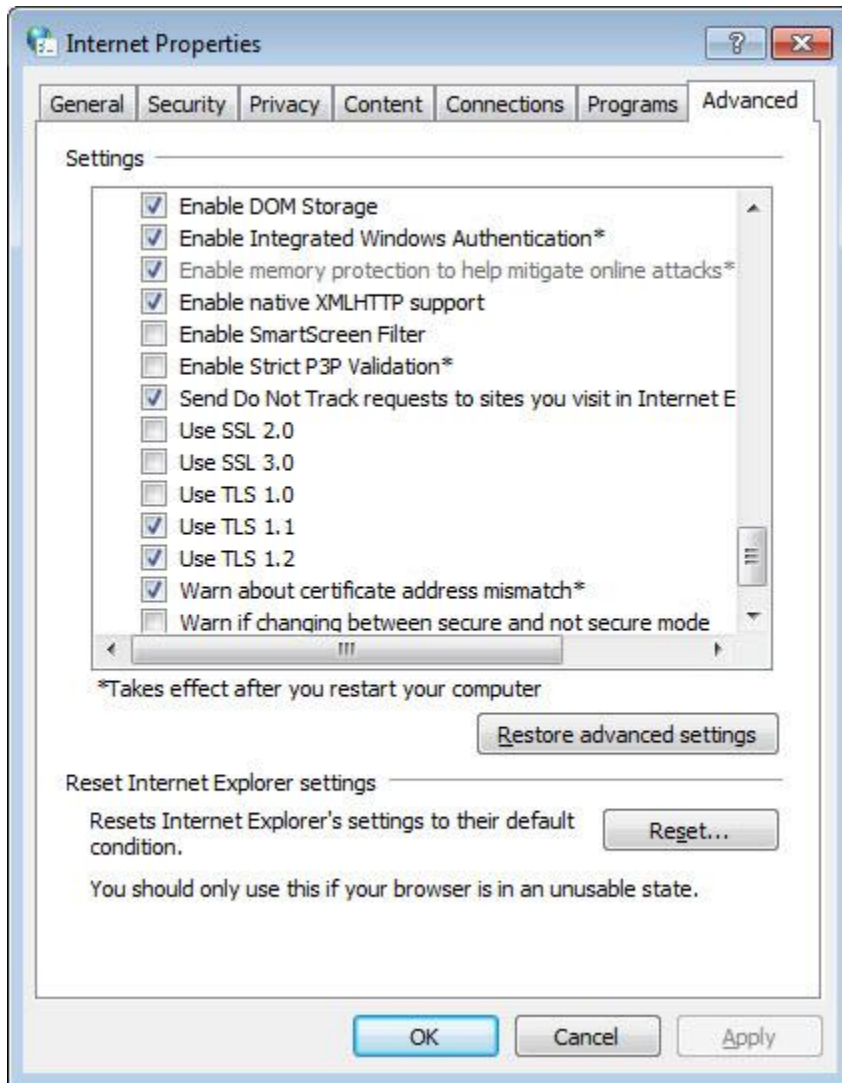
5. Click **OK**
6. Close your browser and restart Mozilla Firefox



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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 1.1** and **Use TLS 1.2**



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



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Apple Safari

There are no options for enabling SSL protocols. If you are using Safari version 7 or greater, TLS 1.1 and TLS 1.2 are automatically enabled.