

	How to Enable TLS 1.0 in the Browser	 <b>Bank Financial Group</b> Infrastructure Technology Solutions
	Directions on enabling this security feature in your Internet Browser	



## How to Enable TLS 1.0 in the Browser

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## Table of Contents

<b>1.</b>	<b>INTRODUCTION.....</b>	<b>3</b>
<b>2.</b>	<b>CONFIGURATION CHANGES REQUIRED IN THE BROWSERS .....</b>	<b>3</b>
2.1.	INTERNET EXPLORER .....	3
2.2.	MOZILLA FIREFOX .....	4
2.3.	GOOGLE CHROME .....	5
2.4.	APPLE SAFARI .....	6

### Configuration Control

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## 1. Introduction

This document was created to provide directions on how to enable the TLS 1.0 encryption settings in various web browsers such as Internet Explorer, Mozilla Firefox, Google Chrome and Apple Safari to prevent a known security bug that could compromise your personal information by hackers.

*Keep in mind that if you are using a Web browser that is fairly recent (IE8 or above, Chrome versions released this year, Firefox v24 or above, Safari v5 or above) or an Operating System version such as Windows Vista/7/8/8.1 you may not have to make any changes.*

If you're not sure about the level of security set on your browser, you can click on this link to verify if you are vulnerable: <https://www.howmyssl.com/> .

## 2. Configuration Changes Required in the Browsers

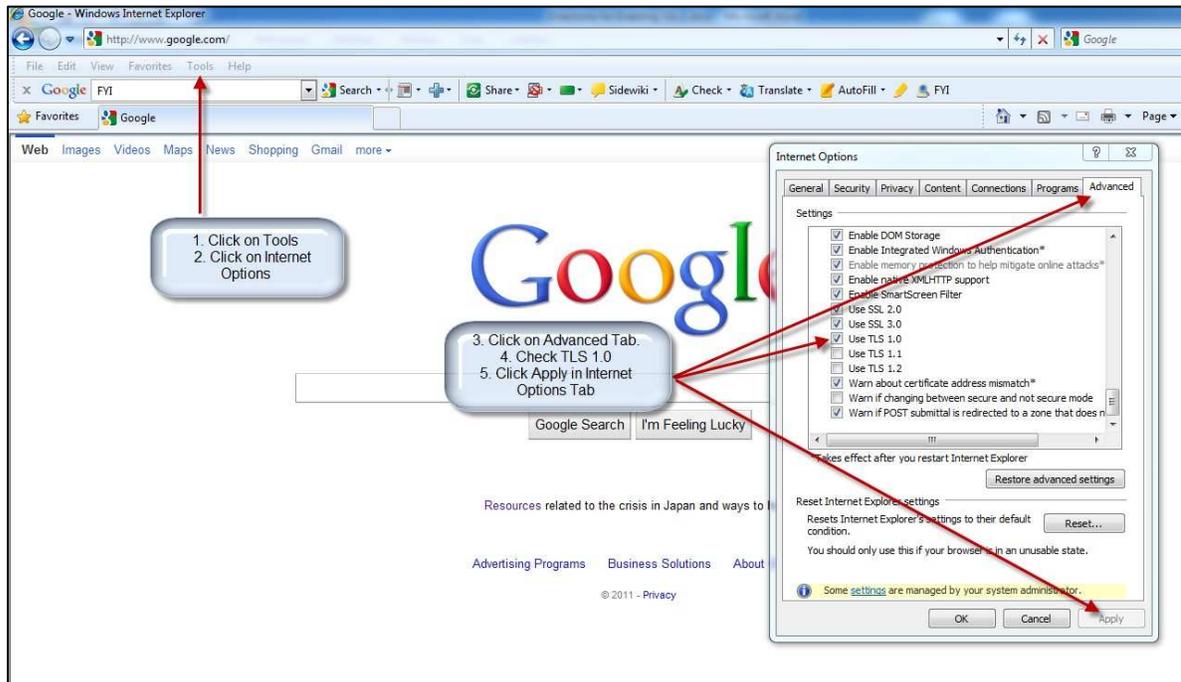
The directions below show you how to modify the various browsers encryption settings to enable a more secure configuration and prevent hacking.

### 2.1. Internet Explorer

In order to enable TLS 1.0, you will be required to open Internet Explorer (IE) and follow the below steps:

1. Click on "Tools" in the top menu bar of the IE browser.
2. Click on "Internet Options".
3. Click on the "Advanced" tab within the Internet Options window.
4. Scroll down in the "Advanced" tab and select the "TLS 1.0" checkbox.
5. Click "Apply" in the Internet Options tab.

See screenshot on next page (May vary based on your version).

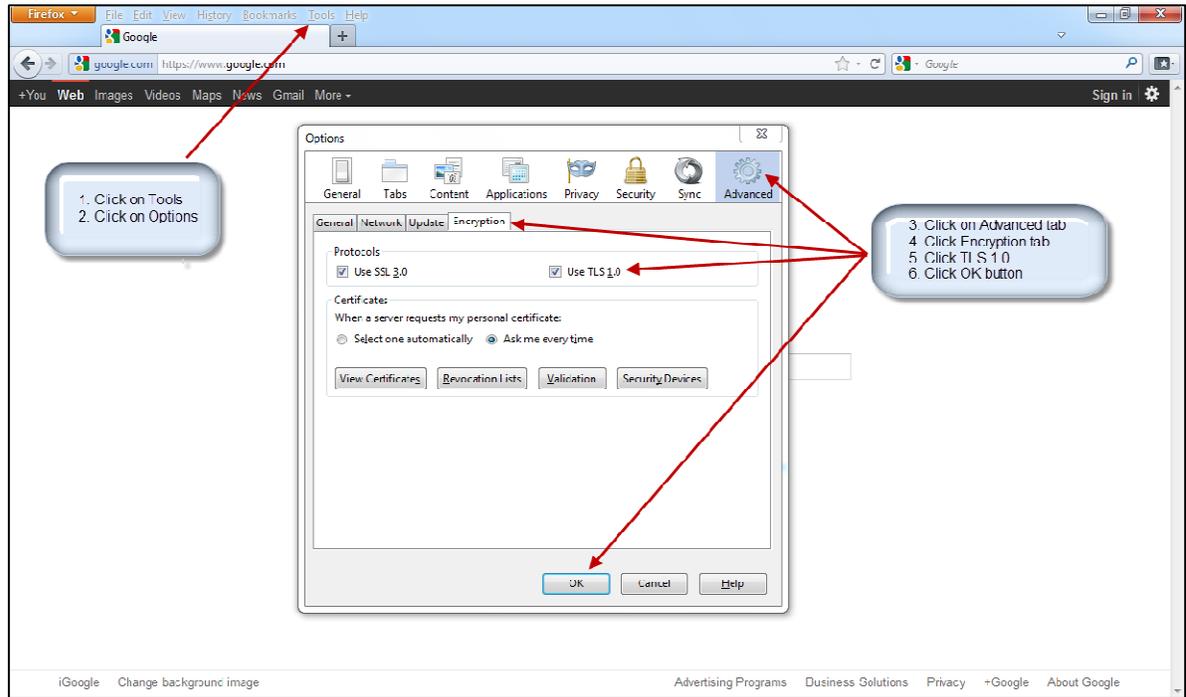


## 2.2. Mozilla Firefox

In order to enable TLS 1.0, you will be required to open Firefox and follow the below steps:

1. Click on "Tools" in the top menu bar of the Firefox browser.
2. Click on "Options".
3. Click on the "Advanced" icon within the Options window.
4. Click on the "Encryption" tab.
5. Select the "TLS 1.0" checkbox.
6. Click the "OK" button.

See screenshot on next page (May vary based on your version).

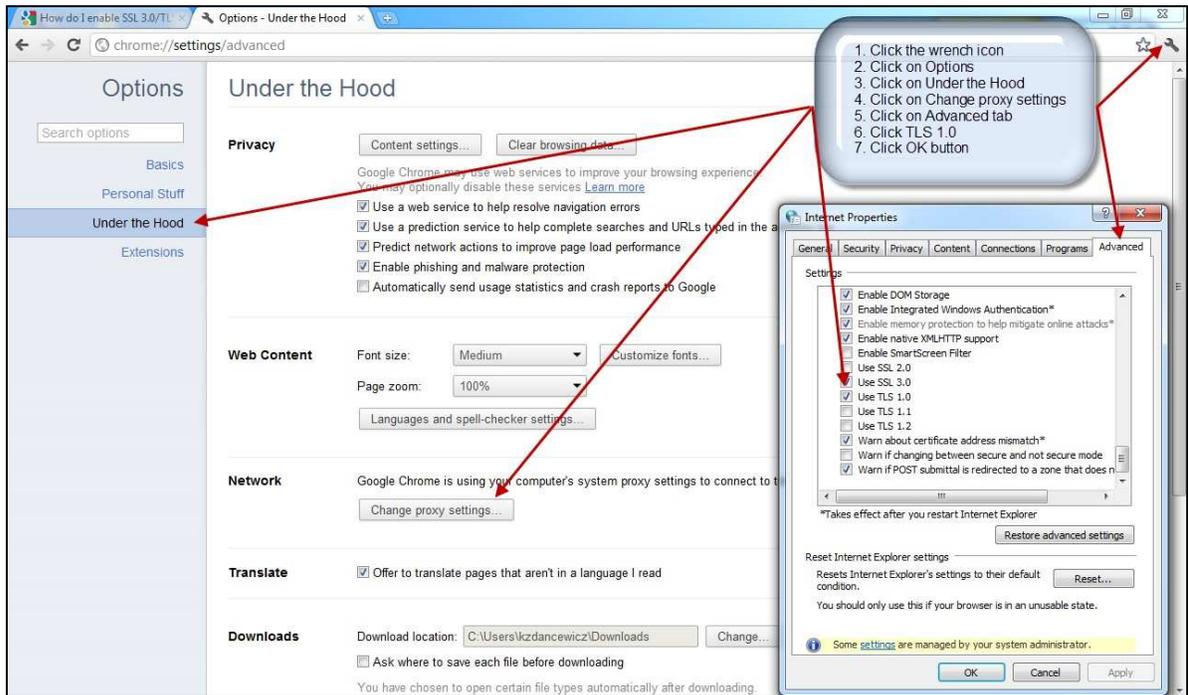


## 2.3. Google Chrome

In order to enable TLS 1.0, you will be required to open Chrome and follow the below steps:

1. Click on the wrench icon on the right-hand side of the address bar in the Chrome browser.
2. Click on "Options".
3. Click on "Under the Hood".
4. Click on the "Change proxy settings..." button.
5. Click on the "Advanced" tab icon within the Internet Properties window.
6. Scroll down in the "Settings" section and select the "TLS 1.0" checkbox.
7. Click the "OK" button.

See screenshot on next page (May vary based on your version).



## 2.4. Apple Safari

In order to enable TLS 1.0, you will be required to open Safari and follow the below steps:

1. Click on the gear icon on the right-hand side of the address bar in the Safari browser.
2. Click on "Preferences".
3. Click on the "Advanced" icon within the Advanced window.
4. Click the "Change Settings..." button.
5. Click on the "Advanced" tab within the Internet Properties window.
6. Scroll down in the "Settings" section and select the "TLS 1.0" checkbox.
7. Click the "OK" button.

See screenshot on next page (May vary based on your version).



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1. Click the gear icon  
2. Click on Preferences

3. Click on Advanced icon  
4. Click on Change Settings  
5. Click on Advanced tab  
6. Click TLS 1.0  
7. Click OK button

Internet Properties - Advanced

Settings

- Enable DOM Storage
- Enable Integrated Windows Authentication\*
- Enable memory protection to help mitigate online attacks\*
- Enable native XMLHTTP support
- Enable SmartScreen Filter
- Use SSL 2.0
- Use SSL 3.0
- Use TLS 1.0
- Use TLS 1.1
- Use TLS 1.2
- 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 Internet Explorer

Restore advanced settings

Reset Internet Explorer settings  
Resets Internet Explorer's settings to their default condition.  
Regret...

You should only use this if your browser is in an unusable state.

Some settings are managed by your system administrator.

OK Cancel Apply

Advanced

General Appearance Bookmarks Tabs RSS AutoFill Security Privacy Extensions Advanced

Universal Access:  Never use font sizes smaller than 9

Press Tab to highlight each item on a webpage

Style sheet: None Selected

Proxies: Change Settings...

Default space for database storage: 5 MB

Show Develop menu in menu bar