

### ENHANCE YOUR BROWSER PERFORMANCE

Clearing your cache can help your browser run faster and enable websites to display updated content.

The commands for performing a hard refresh vary depending on your browser and operating system. Clicking the refresh icon in the address bar of the browser is not the same as a hard refresh.

You should also keep your browser up to date to limit your risk of attack from hackers. Outdated browsers can contain security vulnerabilities that expose your personal information to suspicious websites.

### REFRESHING YOUR BROWSER

A browser's cache stores pages to help them load faster, but this can sometimes mean that changes to a website aren't immediately visible. A hard refresh, or "force reload," forces the browser to load the most recent version of a page.

To refresh a browser, you can use the following keyboard shortcuts or click the refresh button:

Browser	Keyboard shortcut
Windows - Chrome, Mozilla Firefox	Ctrl + F5 or Ctrl + R
Mac - Chrome, Mozilla Firefox	Cmd + Shift + R
Safari	Cmd + R
Internet Explorer/Microsoft Edge	Ctrl + F5

You can also refresh a browser by clicking the refresh/reload button.

A refresh forces the browser to retrieve a webpage from the server, instead of loading it from the cache. This is useful when you want to make sure you've downloaded the latest updates.

A reload is used when something isn't downloading correctly. It clears everything and starts fresh.

If you're having trouble viewing an updated website, you can try a hard refresh to see the updates reflected accurately. A hard refresh can cause the webpage to go blank and reloading to take longer.

### CLEAR YOUR BROWSER CACHE

You can clear your cache using a keyboard shortcut or through your browser's menu:

Browser	Keyboard shortcut
Windows - Chrome, Mozilla Firefox	Press Ctrl + Shift + Delete simultaneously while in your browser.
Mac - Chrome, Mozilla Firefox	Press Cmd+ Shift + Delete simultaneously while in your browser.
Safari	Cmd-E simultaneously while in your browser.
Internet Explorer/Microsoft Edge	Press Ctrl + Shift + Delete simultaneously while in your browser.