

# How is Chromium and Chrome different?

Chromium is an open source project and a platform for Google Chrome. Because it is completely open source, Chromium is available on the Linux software repository for easier installation. Also Chromium browser is also available on other platforms. You can run Chromium on Windows or Mac - theoretically. Similarly, Chromium OS is Google's open source project name, Chrome OS platform.

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## 1. Install Chromium or Chrome

On Linux operating systems, Chromium can be installed directly from the Linux distribution repository. For example, on Ubuntu Linux, Chromium can be installed by opening Ubuntu Software Center, searching for Chromium, then clicking on the Chromium icon and installing.

Chromium will be updated (updated) with security updates on the Linux distribution software store.

On Windows and Mac, using Chromium will be much more difficult. The Official Chromium version is also available, but at this point it doesn't automatically update.

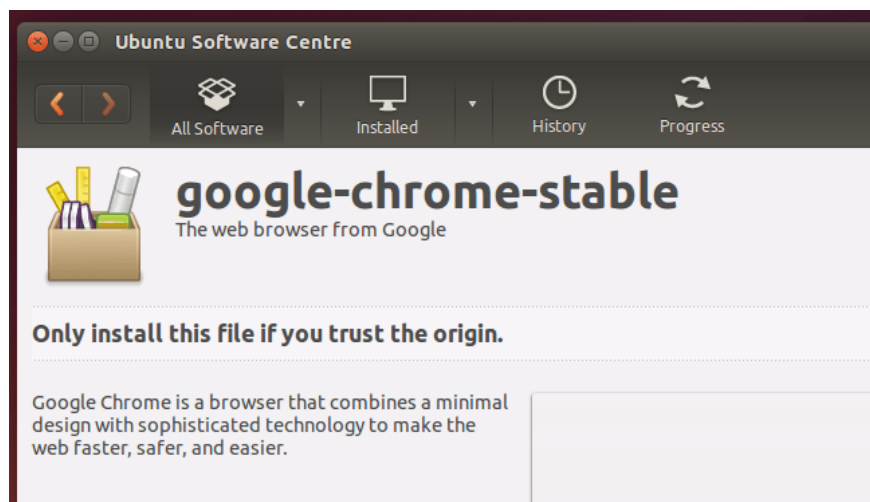


The update process is part of the closed source code of Google Chrome. You can get a copy of Official Chromium from a third party, but it will not be automatically updated either, or more importantly, you must trust third-party distributors. You can compile Chromium for yourself, but will you really want to do it whenever updates are available?

On Linux, you can download and install Google Chrome by visiting the Google Chrome download page, then installing the data package. It will configure the Official Google software repository to update Chrome to appear in the Linux distribution update package.

It includes some heap source code, and that is why it is not available on your software distribution repositories.

On Windows and Mac operating systems, users can install Chrome directly from Google's download page.

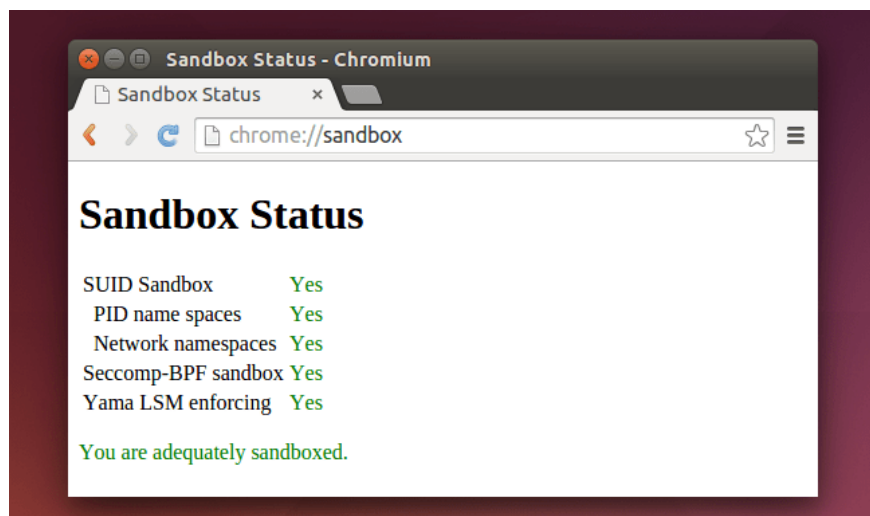


## 2. Chrome and Chromium have not done anything?

Chrome includes some closed source code on missing Chromium:

- **AAC, H.264 and MP3 support** : Chrome includes a number of codecs that allow proprietary media formats - especially sites that use HTML5 video to stream H.264 videos. Both browsers have basic, free codecs: Opus, Theora, Vorbis, VP8, VP9, ??and WAV.
- **Adobe Flash (PPAPI)**: Chrome includes a Flash sandboxed API Pepper plug-in (PPAPI) that Google automatically updates with Chrome. This is the only way to install the latest version of Flash on Linux.
- **Google Update**: Windows and Mac have a program that updates automatically (update) Chrome. With Linux users use their standard software management tools.
- **Secure Sandbox (?)** : Google also noted that some Linux distributions may disable Chromium's Sandbox security, so you have to navigate to **about: sandbox** on Chromium to ensure the Sandbox is enabled. and is active by default. This is one of the best features on Chromium (and Chrome).

Although not a trademark of Google, Chromium is still considered the focus of Google. Chromium contains some synchronization features found on Chrome, allowing you to sign in with your Google account and sync data.



## 3. What about Spyware?

Google Chrome is integrated with Crash error notification, but this feature is not integrated on Chromium. If you enable the crash error notification feature on Chrome, information about crash errors will be sent to Google.

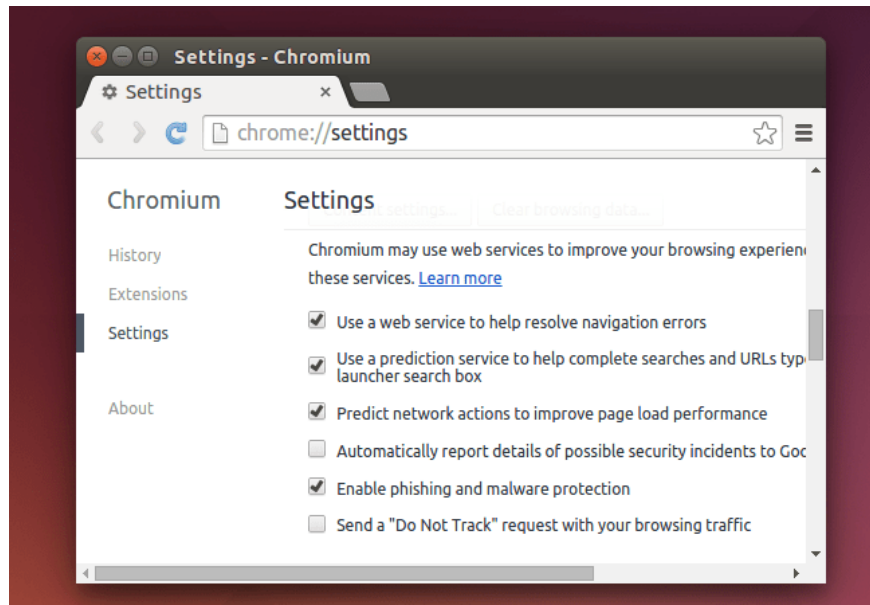
If using Chromim, a crash error message will not be displayed. Also Linux distributions can edit Chromium code before sending it to you.

Chromium also does not use the tracking feature or the 'user metrics' feature found on Chrome. This is an optional feature that sends information about how you use different parts of Google's browser, providing data

that users use based on their decisions.

In the past, many users were worried that each Chrome browser shipped with a unique "client ID" and noted that on Chromium there was no such process, but Google has stopped doing so since 2010.

However, Chromium includes many features that depend on Google's servers, and they are enabled by default. You will see the features listed on the Settings page. They include a web service that corrects incorrect typing web addresses, a prediction service, Google's anti-phishing features, and a number of other features.



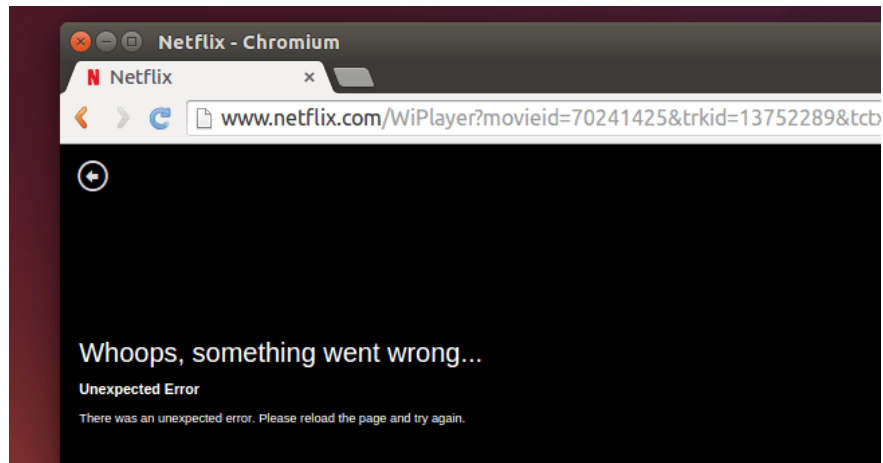
## 4. Choose Chrome or Chromium?

Chromium is a good choice because it allows Linux distribution to require only open source software to package a web browser that is almost identical to Chrome and brings it to their users. Even Linux distributions can use Chromium as their default web browser instead of Firefox, if desired.

If you are using open source software and try to avoid any closed source code then Chromium is a great choice for you.

However, if you are not a Linux user passionate about open source software, you can still install Chromium. When installing Chromium will give you a better Flash Player if you are using Flash and unlock a large amount of multimedia content online. For example, Google Chrome on Linux can stream Netflix videos. This requires H.264 support for HTML5 video.

On Windows and Mac, it is obvious that Chromium is a 'difficult' option to use. The reason is because you cannot receive official updates. So Chromium is really only for Linux users.



## Refer to some of the following articles:

1. When the network speed is slow, turn this feature off to browse the Web on browsers faster
1. Summary of how to fix errors without downloading files, not accessing YouTube and Not Responding errors on Chrome browser
1. The simple way to disable the implicit running of Chrome browser

## Good luck!

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