**Google Chrome and Privacy**

Google Chrome gives you choice and control over your privacy. We are committed to providing transparency around all of the features in Google Chrome which affect your privacy.

This document describes why, how, and when Google Chrome communicates with Google, and how you can enable or disable certain features.

Google Suggest in Omnibox

Google Chrome uses a combined web address and search bar at the top of the browser window, also known as the Omnibox.

When you type in the Omnibox, your default search engine can automatically suggest websites and searches that are likely completions of what you have entered so far. These suggestions make searching faster and easier. You can configure your default search engine in Google Chrome's options. Learn more
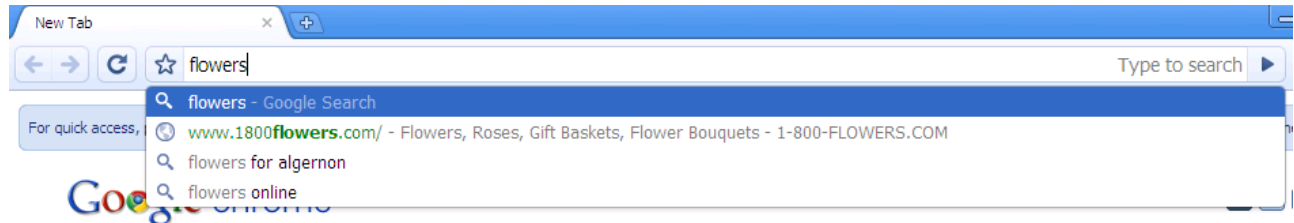
In order to provide the suggestions, Chrome sends the text that you have typed into the Omnibox to your default search engine, which then returns suggestions. Your IP address and certain cookies are also typically sent to your default search engine with the request. If Google is set as your default search engine, rather than logging all requests, Google only logs a randomly selected 2% sample of requests in order to help improve the suggestion feature and to prevent abuse. To preserve privacy, Google anonymizes the requests in these logs by dropping cookies and the last octet of the IP address within at most 24 hours.

If you use a different search provider as your default search engine, your queries will be sent and logged under that provider's privacy policy.

You can disable Omnibox suggestions by unchecking the box in the "Privacy" section of Google Chrome's options. Learn more

Navigation error suggestions

In cases where the web address does not resolve or a connection cannot be made, Google Chrome can show suggestions for the page you were trying to reach.

In order to offer you these suggestions, the URL of the web page you're trying to reach is sent to Google. This information is logged and anonymized in the same manner as [Google web searches](#). Any parameters in the URL are removed before the URL is sent. The logs are used to ensure and improve the quality of the feature.

You can disable navigation error suggestions by unchecking the box in the "Privacy" section of Google Chrome's options. [Learn more](#)

Phishing and malware protection

Google Chrome includes a feature called Safe Browsing to help protect you against phishing and malware attacks. The approach used to accomplish this was designed to specifically protect your privacy and is also used by some other browsers.

Rather than sending the URLs of web pages you visit to Google, Safe Browsing checks URLs against a list of suspected phishing and malware websites that is maintained locally on your computer. With this approach, Google never actually knows what websites you are going to, even if they are uncommon.

A detailed technical explanation is available in [this blog post](#).

You can disable phishing and malware protection by unchecking the box in the "Privacy" section of Google Chrome's options. [Learn more](#)

Google Update

Google Chrome uses [Google Update](#) to keep you up to date with the latest and most secure version of Chrome.

In order to provide greater transparency and to make the technology available to other applications, the Google Update technology is [open source](#).

Google Update periodically sends a non-unique four-letter tag to Google which contains information about how you obtained Google Chrome. This tag is not personally identifiable, does not encode any information about when you obtained Google Chrome, and is shared with everyone who obtained Google Chrome the same way.

Google Update also sends other information that helps us understand how many people are using Chrome and how often they use it. This includes whether you used Google Chrome in the last day, the number of days since the last time you used it, and the total number of days that Google Chrome has been installed.

Installation token

In order to measure the success rate of Google Chrome downloads and installations, a randomly-generated token is included with Google Chrome's installer. This token is sent to Google during the installation process to confirm the success of that particular installation. It is generated for every install, is not associated with any personal information, and is deleted once Google Chrome runs and checks for updates the first time.

Promotional tags and tokens

Installations of Google Chrome that are obtained from promotional campaigns send information regarding the effectiveness of the campaigns to Google. Installations of Google Chrome obtained by directly visiting www.google.com/chrome do not send this information.

This information is required for compliance with contractual obligations where Google must accurately measure the effectiveness of promotional campaigns.

This includes a non-unique promotional tag that contains information about how Chrome was obtained (e.g. from an online advertisement, bundled with another software product, etc.) and the week that Chrome was installed. The tag looks similar to: 1T4ADBR_enUS236US239. This non-unique tag is periodically sent to Google and is also appended to the URL on Google searches that originate from the Omnibox (the tag appears as a parameter beginning with "rlz="). We use this information to help us measure the searches driven by a particular promotion.

Installations of Google Chrome obtained via promotional campaigns also send a token when you first launch Chrome and when you first use the Omnibox. The same token will be sent if Chrome is later reinstalled, and is only sent at first launch and at first use of the Omnibox after reinstallation. Rather than store the token on the computer, it is generated when necessary by using built-in system information that is scrambled in an irreversible manner.

Again, instances of Google Chrome obtained by directly visiting www.google.com/chrome and not via promotional campaigns do not use these tags or tokens.

Usage statistics and crash reports

You can opt-in to sending usage statistics and crash reports in Google Chrome. This feature is off by default.

☐ **Optional:** Help make Google Chrome better by automatically sending usage statistics and crash reports to Google. Learn more

[Accept and Install] [Cancel]

Sending this information to Google helps us make improvements to the features and stability of Google Chrome.

Usage statistics contain aggregated information such as preferences, user interface feature usage, responsiveness, and memory usage. It does not include web page URLs or any personal information. Crash reports contain system information at the time of the crash, and may contain web page URLs or personal information depending on what was happening at the time of the crash.

If you enable this feature, Google Chrome stores a randomly generated unique token, which is sent to Google along with your usage statistics and crash reports. This token does not contain any personal information and is used to de-duplicate reports and maintain accuracy in statistics.

You can enable or disable the feature in the "Privacy" section of Google Chrome's options. Learn more