



Policies & Principles

Types of cookies used by Google

We use different types of cookie to run Google websites. Some or all of the cookies identified below may be stored in your browser. You can view and [manage cookies in your browser](#) (though browsers for mobile devices may not offer this visibility).

Category of use Example

These cookies allow our websites to remember information that changes the way the site behaves or looks, such as your preferred language or the region you are in. For instance, by remembering your region, a website may be able to provide you with local weather reports or traffic news. These cookies can also assist you in changing text size, font and other parts of web pages that you can personalize.

Preferences

Loss of the information stored in a preference cookie may make the website experience less functional but should not prevent it from working.

Most Google users will have a preferences cookie called 'PREF' in their browsers. A browser sends this cookie with requests to Google's sites. The PREF cookie may store your preferences and other information, in particular your preferred language (e.g. English), how many search results you wish to have shown per page (e.g. 10 or 20), and whether or not you wish to have Google's SafeSearch filter turned on.

We use security cookies to authenticate users, prevent fraudulent use of login credentials, and protect user data from unauthorized parties.

Security

For example, we use cookies called 'SID' and 'HSID' which contain digitally signed and encrypted records of a user's Google account ID and most recent sign-in time. The combination of these two cookies allows us to block many types of attack, such as attempts to steal the content of forms that you complete on web pages.