

How to enable DNS over HTTPS in Chrome, Edge and Firefox

DNS over HTTPS encrypts DNS lookup to increase privacy. Here's how to turn on DNS over HTTPS in Chrome, Edge and Firefox.

DNS over HTTPS encrypts DNS lookup to increase privacy. Here's how to turn on DNS over HTTPS in Chrome, Edge and Firefox.

Whenever you try to access a website in the browser, the browser automatically translates the web page address that the user can read into an IP address. However, web browsers do not know which websites correspond to which IP addresses. Therefore, they require a DNS server (Domain Name System) to provide the actual IP address of the target website. Once you know the IP address, the browser will take you to the website you're looking for. All this happens in 1 / 1000th of a second.

The problem is, the communication between the web browser and the DNS server is not encrypted. So anyone can see what website you are visiting. This is not good for privacy. Therefore, most major web browsers such as Chrome, Edge and Firefox are implementing DNS over HTTPS. When DNS over HTTPS is enabled, all DNS requests will be made over the HTTPS connection. Because HTTPS connection is an encrypted connection, no one can see which website you are visiting.

Enable DNS over HTTPS in Chrome

For Google Chrome browser, do the following:

1. First, open Chrome by searching for it in the Start menu. Once open, you will see it on the taskbar. Right-click on it and select the option **Pin to taskbar** . This is necessary to have access to the Chrome shortcut. If you've pinned or have a desktop shortcut, skip this step.
2. Now, right-click on the Chrome taskbar icon. From the options, right-click again on "**Google Chrome**" and select the "**Properties**" option. Alternatively, right-click the shortcut icon on Chrome's desktop and select the same **Properties** option.
3. The above action will open the **Properties** window of Google Chrome. Here, add this code to the end of the "**Target**" field.

With the code below, you will use the Cloudflare DNS service as a DoH. If you want to use some other DNS service then modify the server address. Depending on the DNS service, the server address will be different.

```
--enable-features="dns-over-https"
```

4. Click **Apply**> **OK** to save changes.

5. Finally, relaunch the Chrome browser.

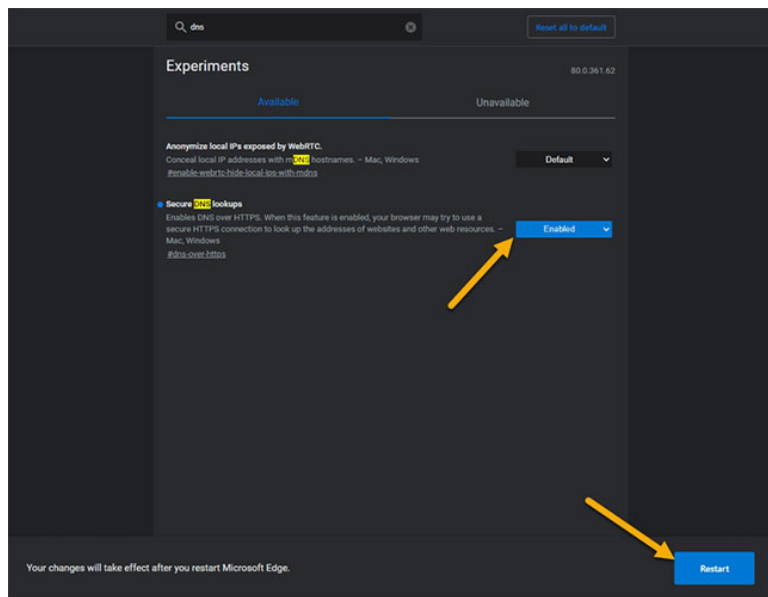
Enable DNS over HTTPS in Edge Chromium

Microsoft has added support for DNS over HTTPS in the Edge Chromium browser since this is an experimental feature, you need the **Flags** page to access the settings. Please note that the steps below are only applicable to the

1. First, open the Edge Chromium browser if it is not already open. After opening, type **"edge: flags"** into the address bar and press Enter .

2. The above action will open the **Edge Experiments** page . In the top searchbar, enter DNS. This action will filter the results and you will see the **"Secure DNS Lookups"** section .

3. Select **Enabled** from the drop-down menu next to the **"Secure DNS Lookups"** option and then click on the **"Relaunch"** button . Relaunching the browser will apply the settings.



Enable DNS over HTTPS in Edge Chromium

Enable DNS over HTTPS in Firefox

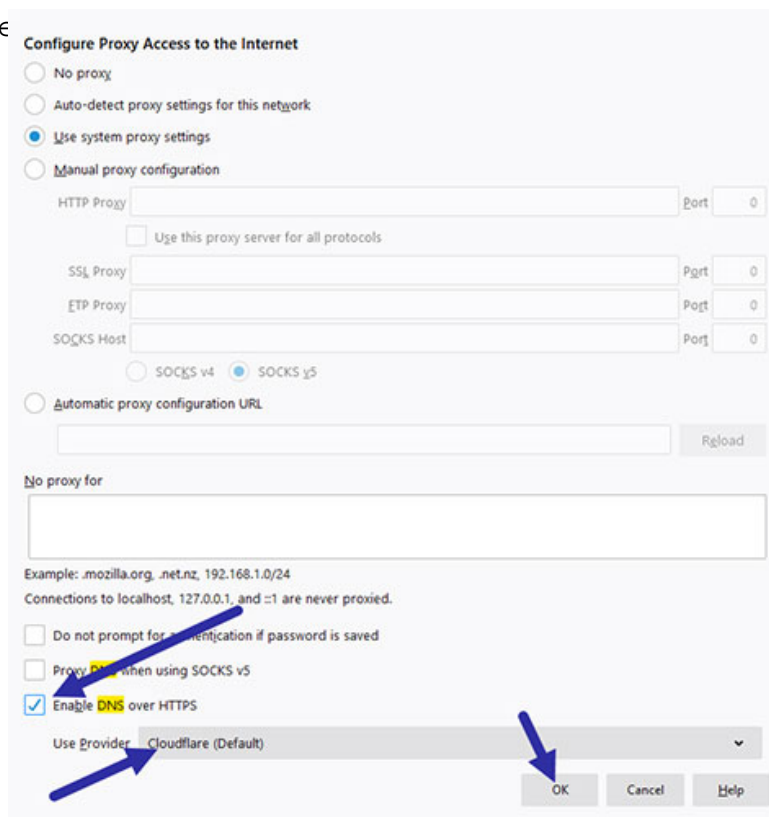
Firefox has DNS over HTTPS support. However, the indicator is not always available in the **Settings** page.

1. First, open Firefox if it is not already open. Next, click the **Menu** icon (three horizontal lines) in the upper right corner and select the **Options** option.

The indicator is highly hidden. Thankfully, settings search functions are available. Next, click the **"Settings"** button in the **"Network Settings"** section.

3. Now, select the **"Enable DNS over HTTPS"** checkbox. By default, Firefox uses Cloudflare as a DNS provider. If you want to use another DNS service, select **Custom** from the drop-down menu. Click **OK** to save the changes.

Restart the browser.



Enable DNS over HTTPS in Firefox

Verify that DNS over HTTPS is working

After configuring your browser, you should see the following information in the browser's network console. If you see "Yes" next to "Using DNS over HTTPS (DOH)" .

Debug Information

Connected to 1.1.1.1	Yes
Using DNS over HTTPS (DoH)	Yes
Using DNS over TLS (DoT)	No
Using DNS over WARP	No
AS Name	Cloudflare
AS Number	13335
Cloudflare Data Center	BOM

You will see "Yes" next to "Using DNS over HTTPS (DOH)"

You finished reading the article "**How to enable DNS over HTTPS in Chrome, Edge and Firefox**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.