Knowledge Base

Free Internet for Iran with Microsoft Edge

Creating a SOCKS proxy using SSH on Microsoft Windows 10 and 11

AL Ali

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Windows 10 and 11 now come with built in SSH, which is enabled by default or can otherwise be **easily installed**. This article covers creating a proxy using SSH to open a tunnel to the open internet. Finally we will go over how to configure Microsoft Edge to use that proxy.

Part 0: Reuse existing tunnel

If you've already created a tunnel PuTTY, please go directly to the Part 2 of this article.

Part 1: Creating / Opening the tunnel

Optionally, but very much encouraged is to create a new local account on the computer which will be used to access the internet via the proxy.
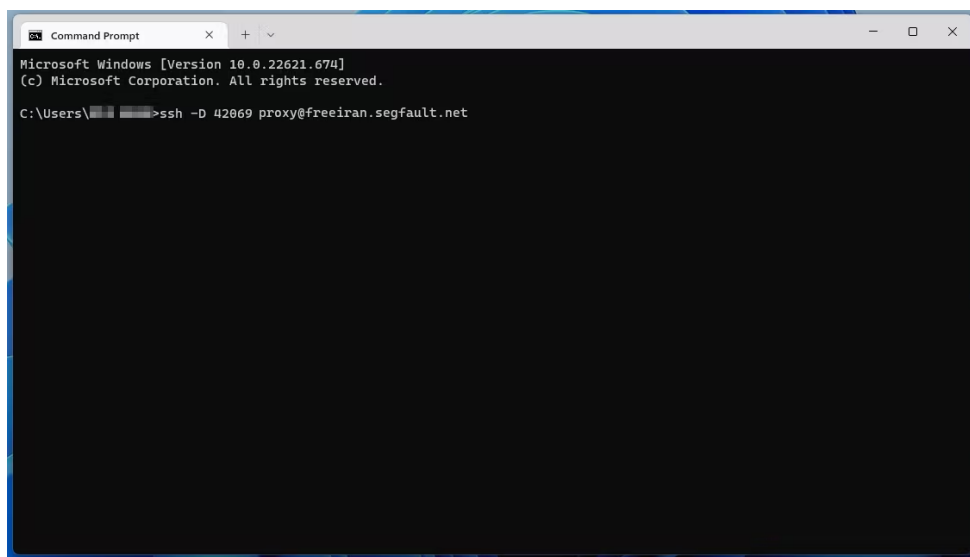
Step 1

Open `Terminal` which is included in every version of Windows 10 and 11.
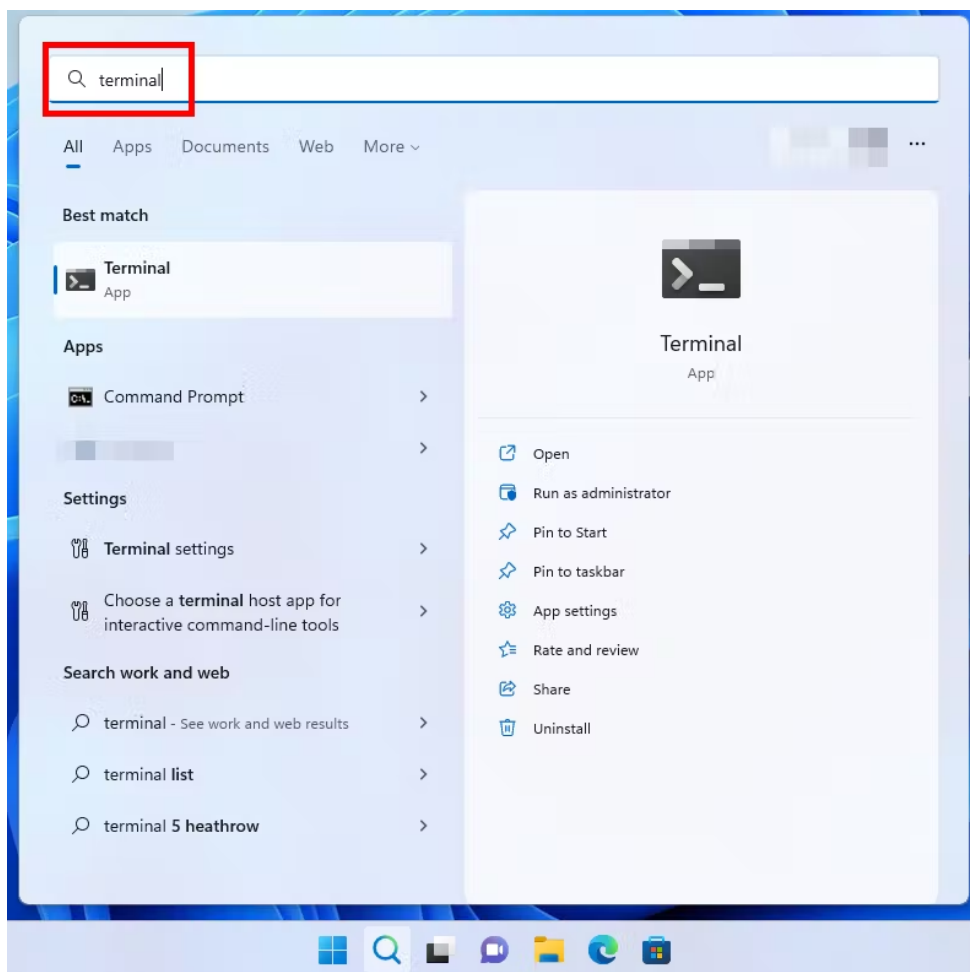
If you can not find `Terminal` search for `Powershell` or `Command Prompt` as Windows has several similar tools.

Step 2

To use `Terminal` you will type a command and then press enter. This command will connect to `freeiran.segfault.net` and create a SOCKS proxy for you to use. The command is `ssh -D 42069 proxy@freeiran.segfault.net`.
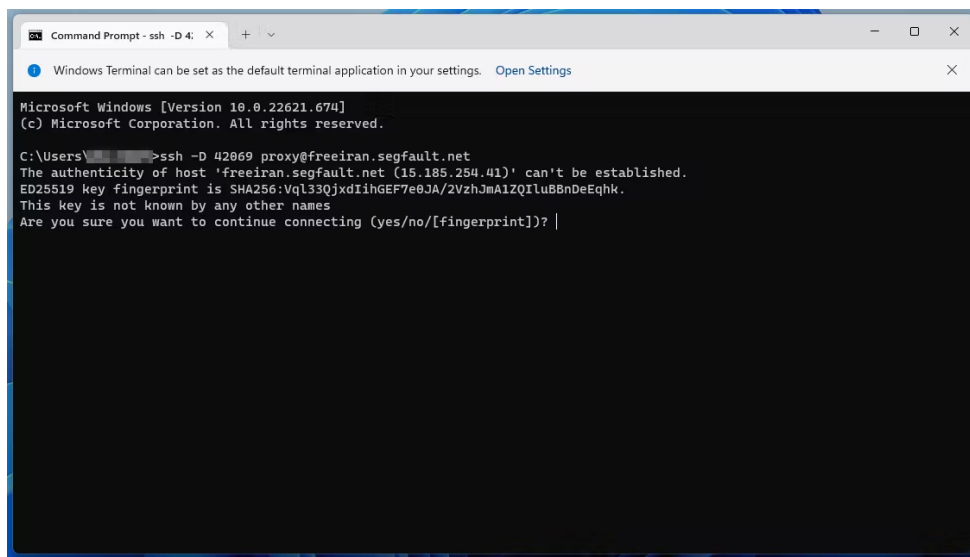
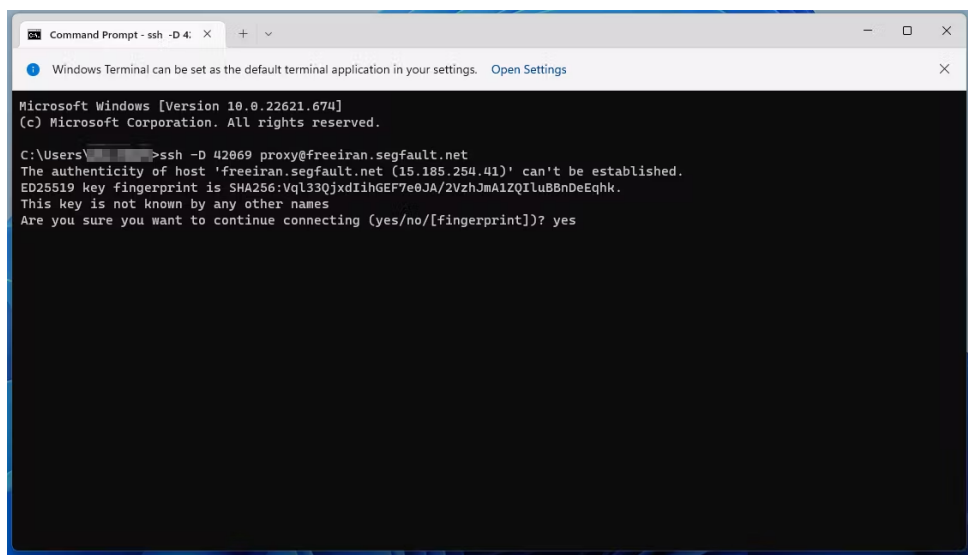After you have typed the command out (take care it is case sensitive), press `Enter` on your keyboard.

Step 2b

If this is the first time you are connecting to `freeiran.segfault.net` you will likely be asked to confirm the fingerprint. If this happens type `yes` and press `Enter`.
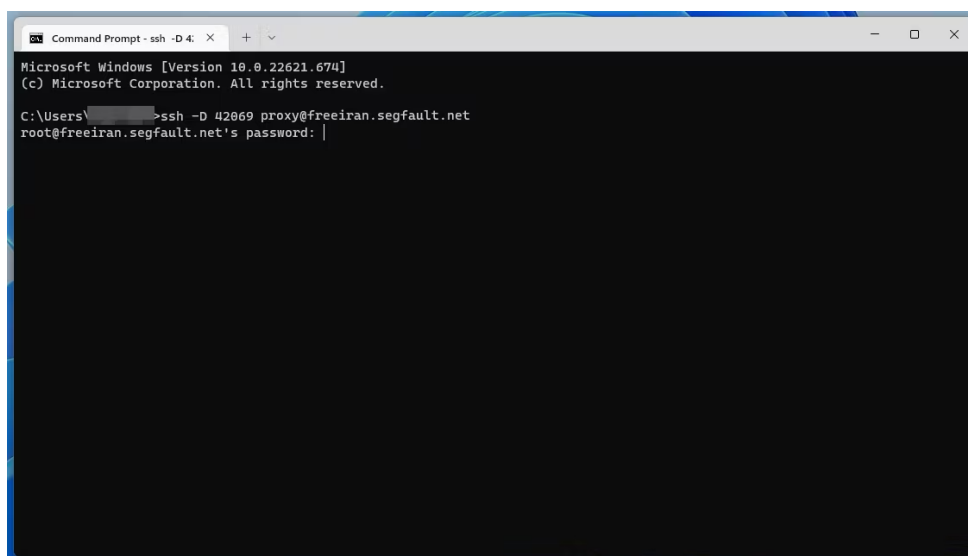
Step 3

Now you will be asked to enter the password. For `freeiran.segfault.net` this password is `proxy`. Type `proxy` and then press `Enter`. Be careful as it is case senstive. You will not be able to see anything changing as you type until you have pressed `Enter`.

Step 4

You are now connected to the server, you have now successfully created a SOCKS proxy and a tunnel to the open internet.

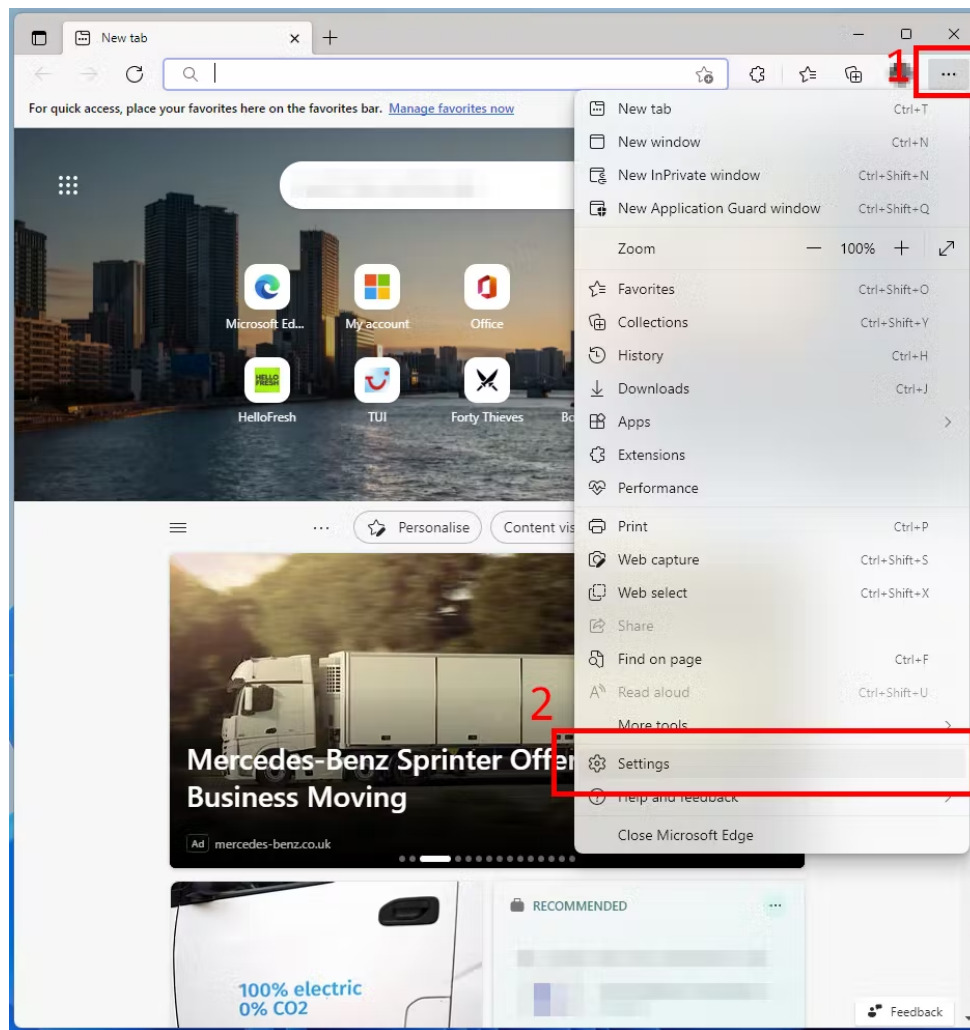## Part 2: Making Microsoft Edge use the tunnel

Step 1

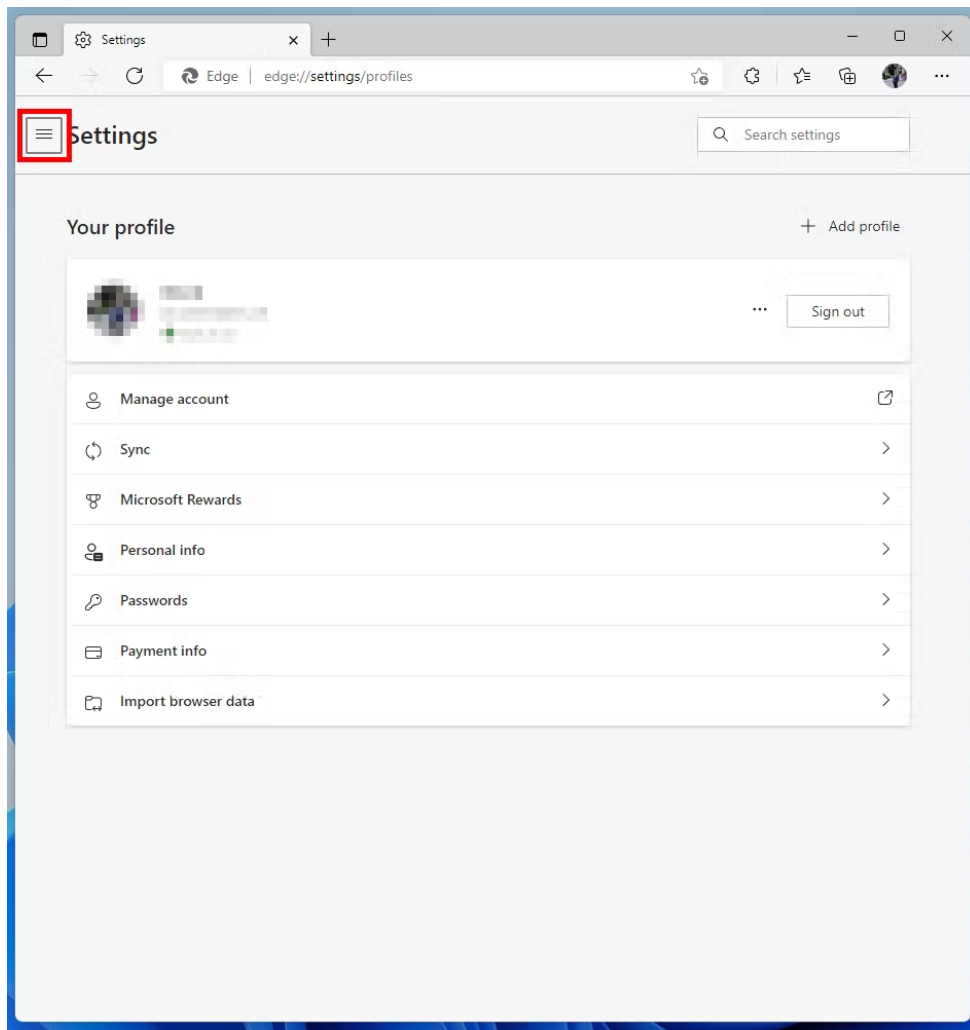Open Edge and check your IP address.
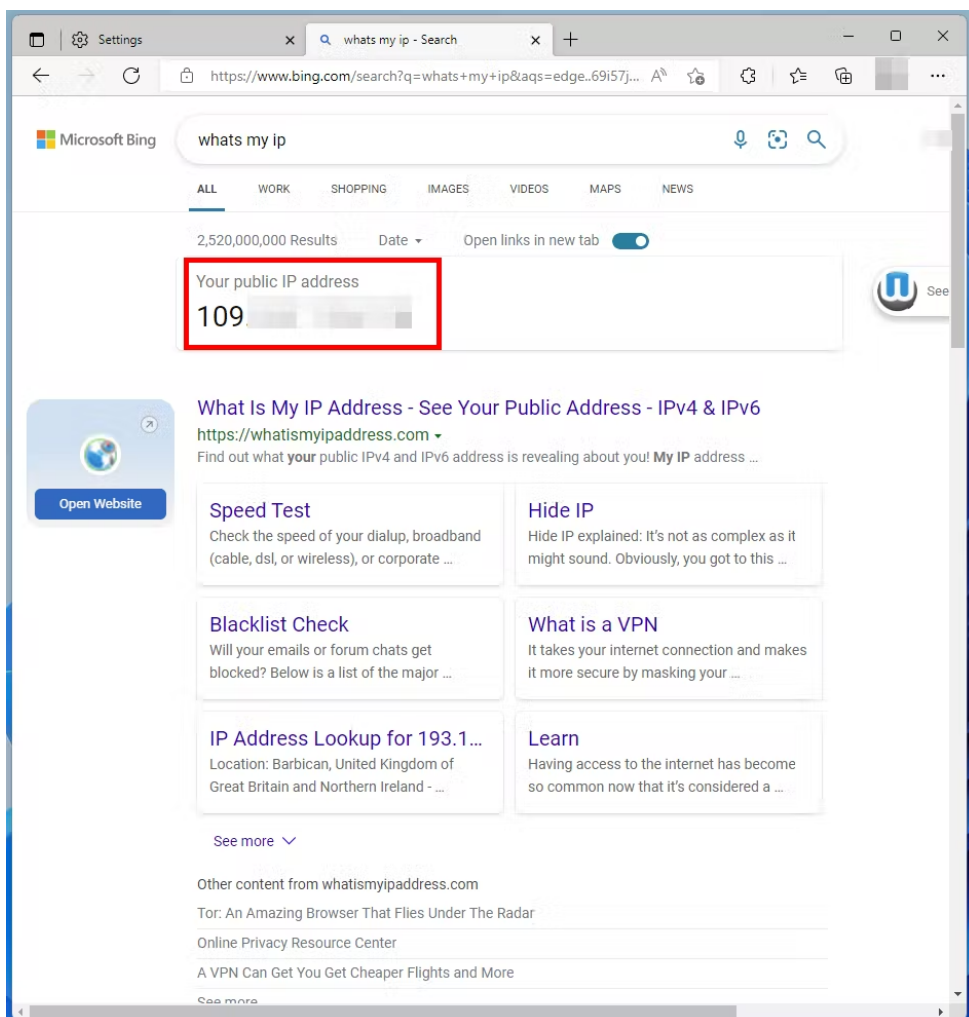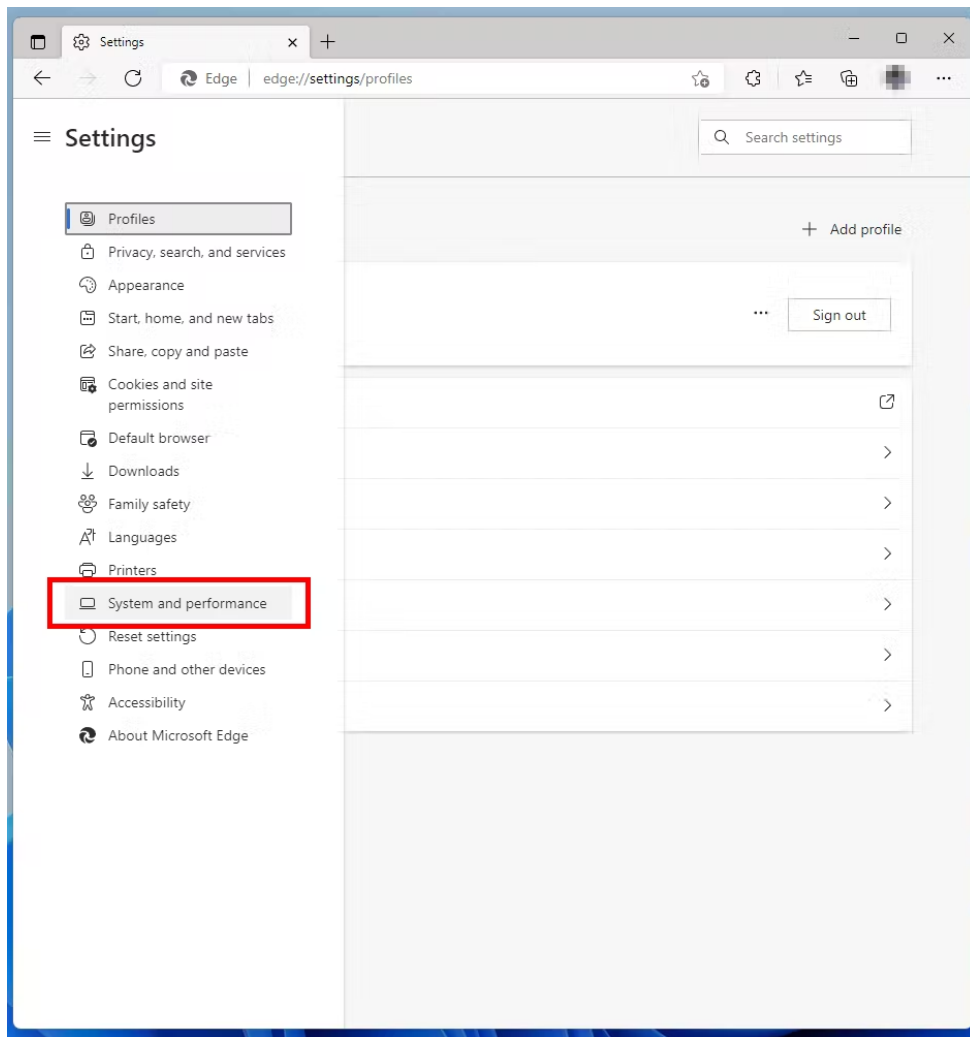
Step 2

Open the Settings page on Edge

Step 3

This will show you the general profile settings page, click the top left corner to look at more settings
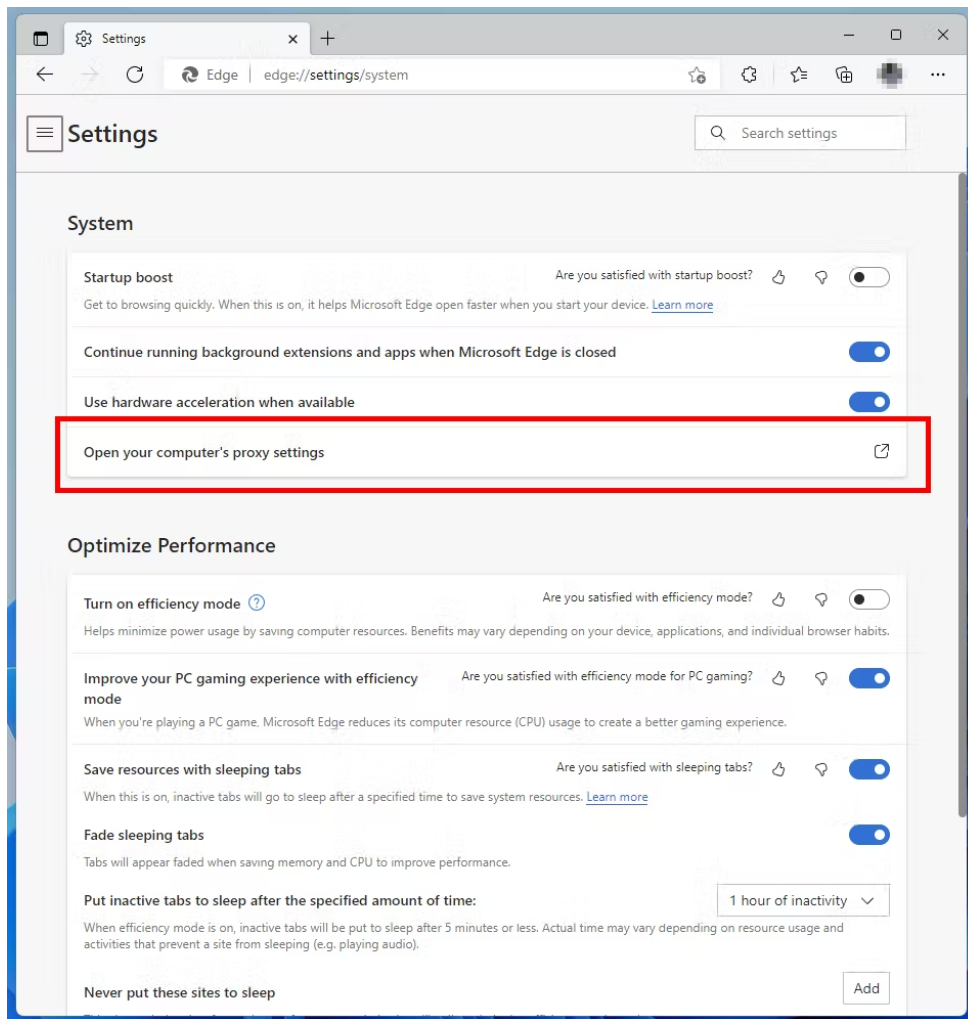
Step 4

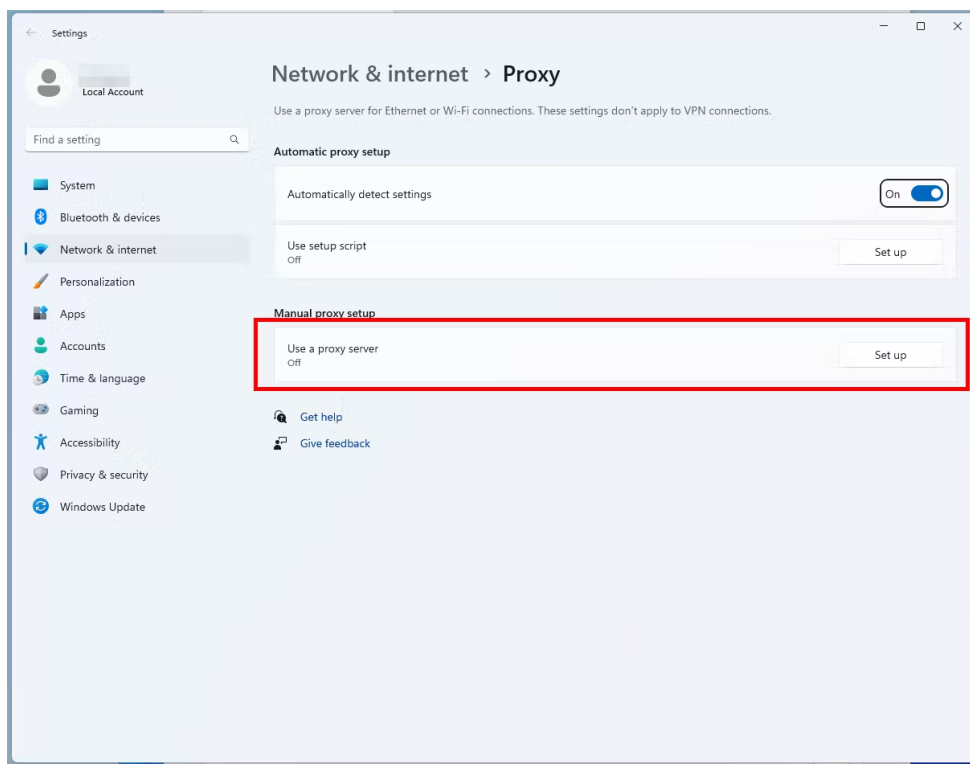Now open the `System and performance` section by clicking it

Step 5

Now click the `open your computer's proxy settings` button.

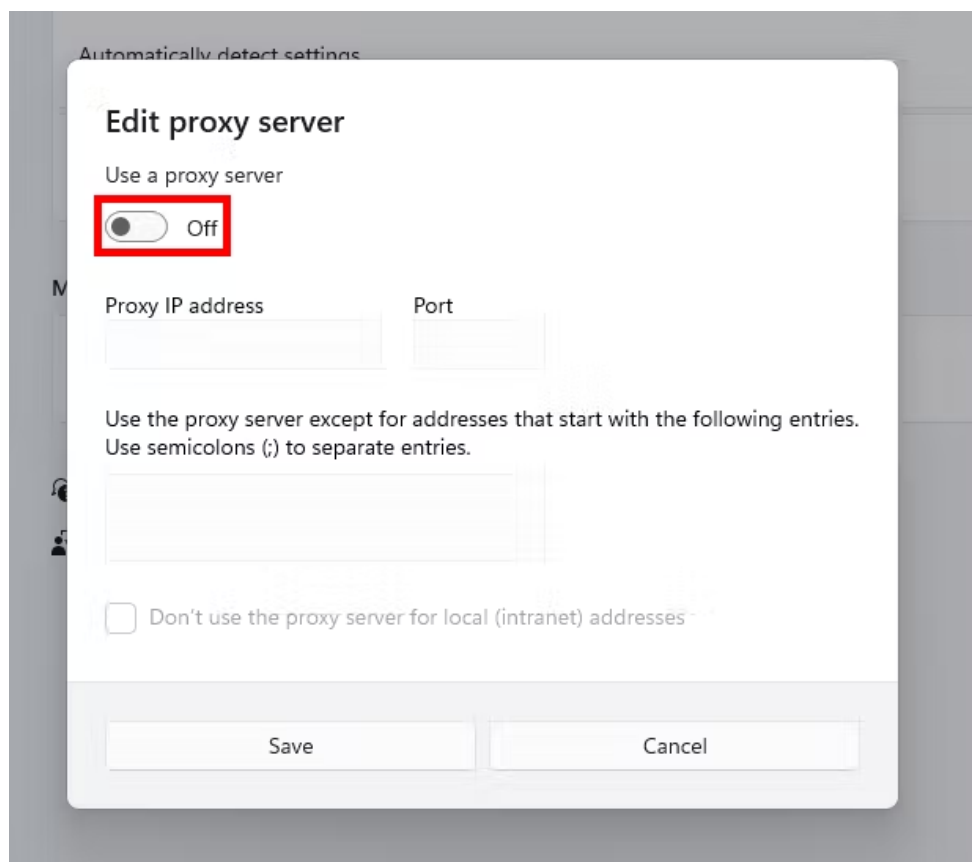## Step 6

We'll configure a manual proxy, click `Use a proxy server` to open the settings.

Step 7

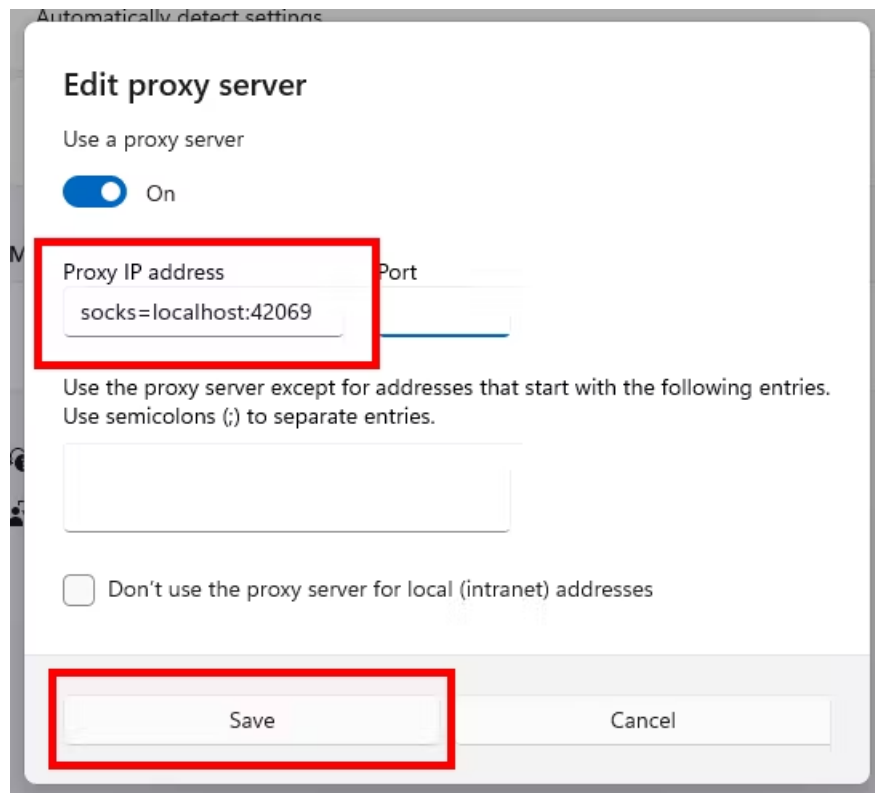You will need to turn on the toggle to allow you to edit the settings.
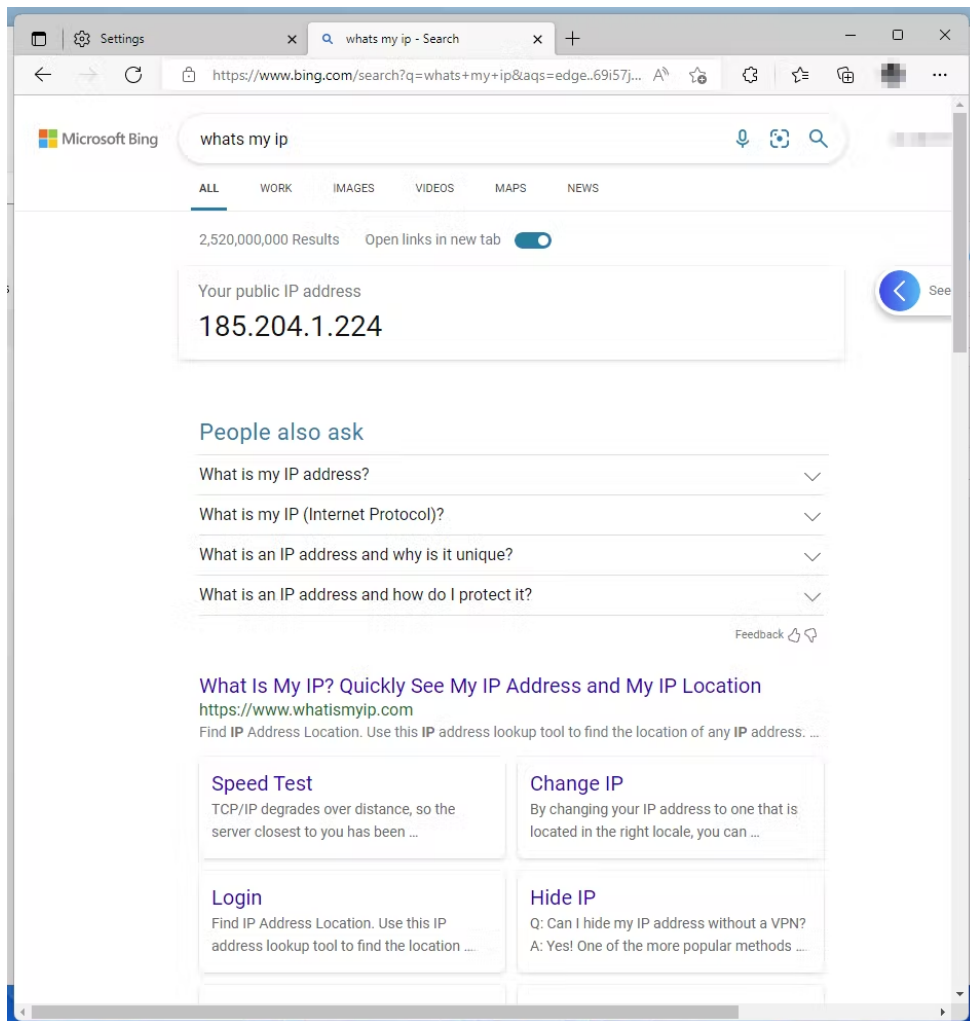

Step 8

Set the proxy address to `socks=localhost:42069` and save the settings.

Or socks=localhost:2280 if you've used PuTTY for creating the tunnel.

Step 9

Check it all worked and your IP has changed in Edge

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