

To find your public IP address, you can use several methods. Here are a few tasks you can perform to achieve that:

Using Command Prompt (Windows)

1. Open Command Prompt.
2. Run the following command:

```
nslookup myip.opendns.com resolver1.opendns.com
```

This will show your public IP address by querying OpenDNS.

The command `nslookup myip.opendns.com resolver1.opendns.com` is used to find your public IP address by querying the OpenDNS servers. Here's a breakdown of how to use it and what to expect:

How to Use the Command

1. Open Command Prompt:

- Press **Win + R**, type `cmd`, and hit **Enter**.

2. Run the Command:

- Type the following command and press **Enter**:

```
nslookup myip.opendns.com resolver1.opendns.com
```

Expected Output

You should see output similar to this:

```
Server:  resolver1.opendns.com
Address:  208.67.222.222

Non-authoritative answer:
Name:     myip.opendns.com
Address:  <Your Public IP Address>
```

- In this output, `<Your Public IP Address>` will be replaced by your actual public IP address.

Explanation of the Command

- **nslookup**: This command queries the Domain Name System (DNS) to obtain domain name or IP address mapping.

- **myip.opendns.com**: This is a special domain provided by OpenDNS that returns the public IP address of the client making the request.
- **resolver1.opendns.com**: This specifies the DNS server to use for the query, in this case, one of OpenDNS's resolvers.

This command is a quick and efficient way to retrieve your public IP address from the command line.

Using PowerShell

1. Open PowerShell.
2. Run the following command:

```
(Invoke-WebRequest -Uri "http://ifconfig.me/ip").Content.Trim()
```

This will make a web request and display your public IP address.

Using Python Script

1. Create a Python script (e.g., **find_public_ip.py**).
2. Use the following code:

```
import requests

response = requests.get("https://api.ipify.org")
if response.status_code == 200:
    print("Your public IP address is:", response.text)
else:
    print("Unable to fetch public IP address.")
```

3. Run the script to display your public IP address.

Using Online Tools

1. Open a web browser.
2. Visit a website like <https://whatismyipaddress.com> or <https://ifconfig.me> or <https://www.whatismyip.com/>
3. Your public IP address will be displayed on the page.