

# How to change DNS on Windows 11/10/8/7 and macOS to surf the web and speed up the network

Changing DNS on Windows 11/10/8/7 and macOS is an important method to improve internet access speed and protect privacy. By changing DNS, you can optimize the process of accessing websites and minimize problems related to slow or blocked web surfing. Learn how to change DNS on Windows 11/10/8/7 and macOS to experience a faster and safer Internet.

**Changing** standard DNS can help you access the web at a faster speed by reducing DNS Lookup time (finding the website's IP). In some other cases, you can access Facebook as well as blocked websites. The following article will guide you. Shows you **how to change** your DNS to increase the speed of accessing other websites on Windows 11/10/8/7/XP.

**DNS is a server system that resolves domain names** into IP addresses. Without the DNS system, the computer cannot understand which name server the domain names belong to, so the use of DNS is stable. Very important, they help you access websites much easier and faster.

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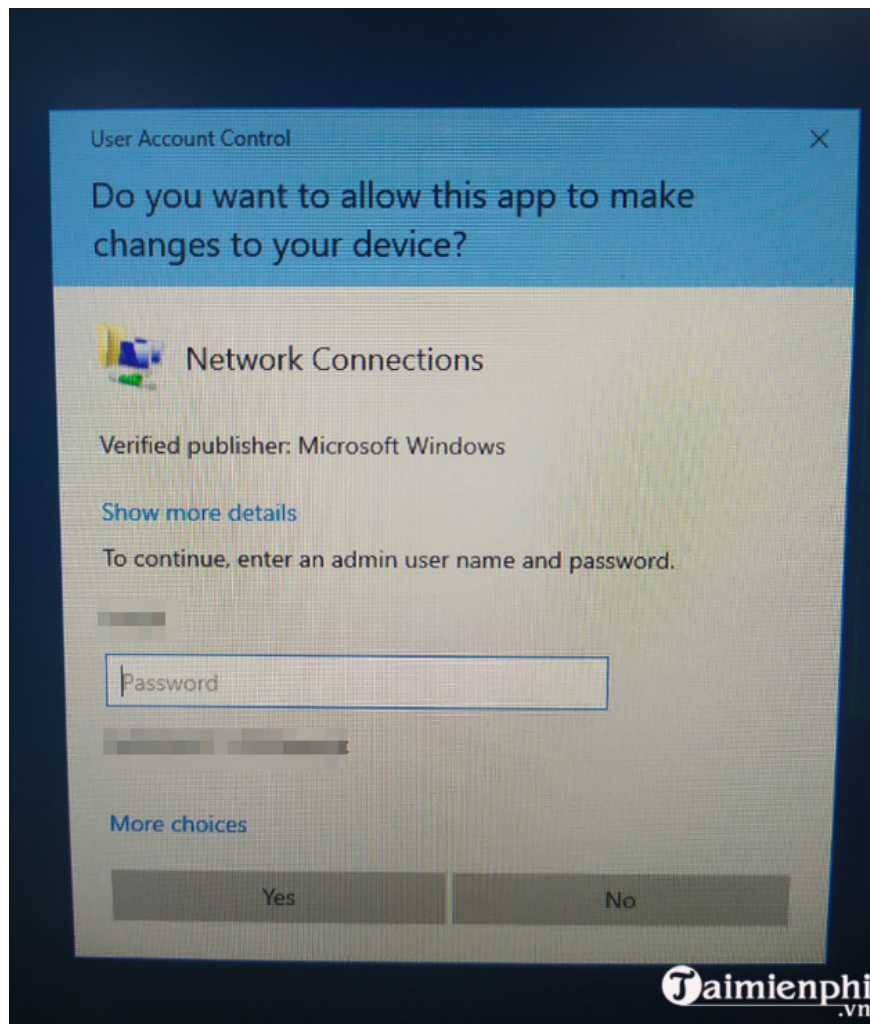
## *I. Benefits of changing DNS on Windows and MAC*

- Helps speed up web browser.
- Know what DNS is, notes when changing DNS
- Access some blocked websites like Facebook.
- Increase accuracy and reliability.
- Has better security.

## ***II. Note that before and after changing DNS, accessing Facebook and the Web is blocked***

### *1. Note before changing DNS on computers and MAC*

- For those who are preparing to change DNS on Windows 11/10/8/7/XP, otherwise an error will appear.
- + You should use Administrator rights **to do this, the User** account is granted **Administrator** rights .
- + For **User** (guest) accounts that have not been assigned Administrator rights, **when changing DNS on the computer**, a message will be displayed as shown below.



### *2. Note after changing DNS on Windows and Mac computers.*

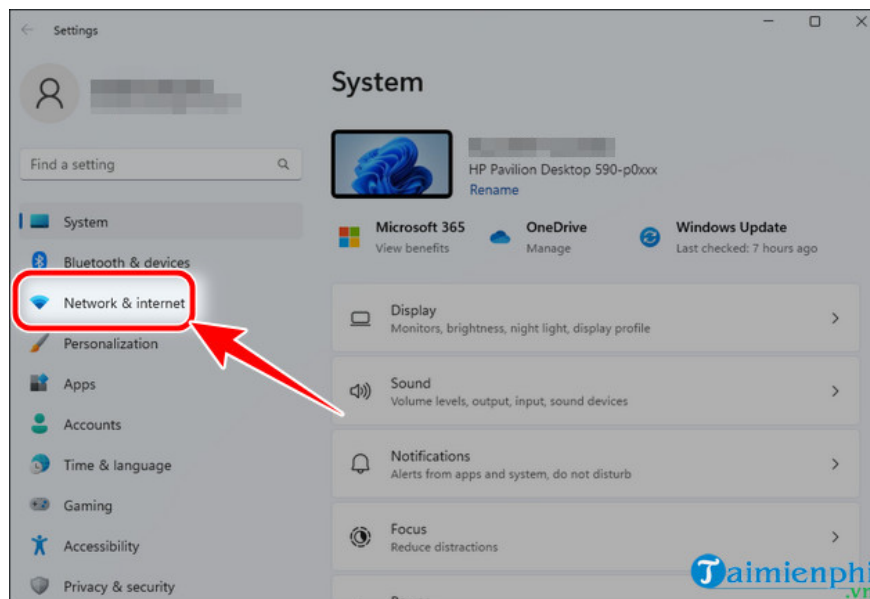
After you edit the new DNS, if you try again to access **the website you want to access and it still doesn't work** , your computer may still have cached old information. Therefore, you **should restart the computer** and perform the following **steps** :

- **Reset the DNS client service:** Press the **Windows + R** keys simultaneously => the **RUN** command window appears, type **services.msc** , continue pressing the key **ENTER** go to **Services** => Find **DNS Client** => **Right** click and select **Restart** .
- **Clear Chrome's DNS Cache:** In the chrome address bar, enter " **chrome://net-internals/#dns** " => Click the " **Clear host cache** " button.
- **Delete operating system Cache:** Press **Windows+R** keys simultaneously => **RUN** command window appears, type **ipconfig/flushdns** and press **Enter** key .

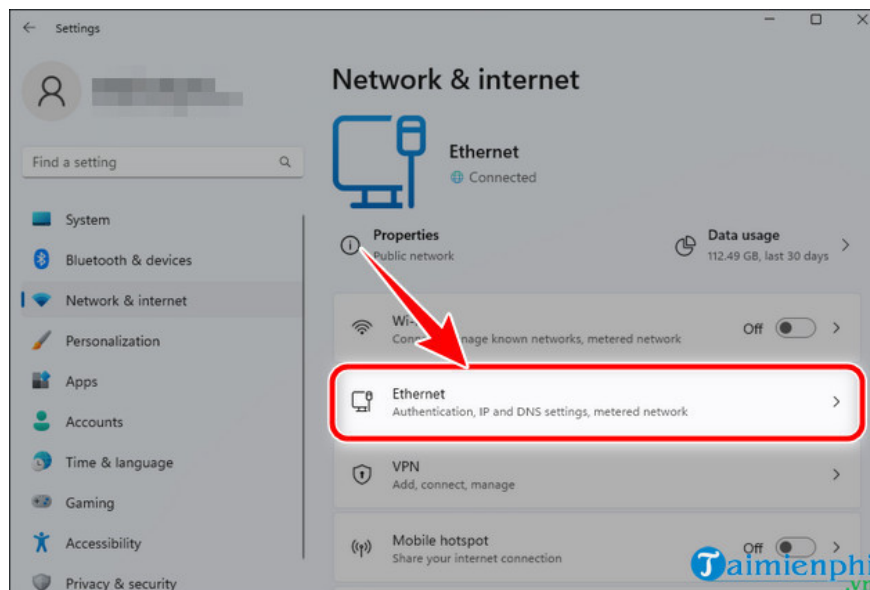
### ***III. How to change DNS on Windows 11 to speed up web access***

Windows 11 is currently the newest operating system today. If you have installed Windows 11 and are using it, you can refer to how to change Windows 11 DNS server here to increase Internet access speed and better security.

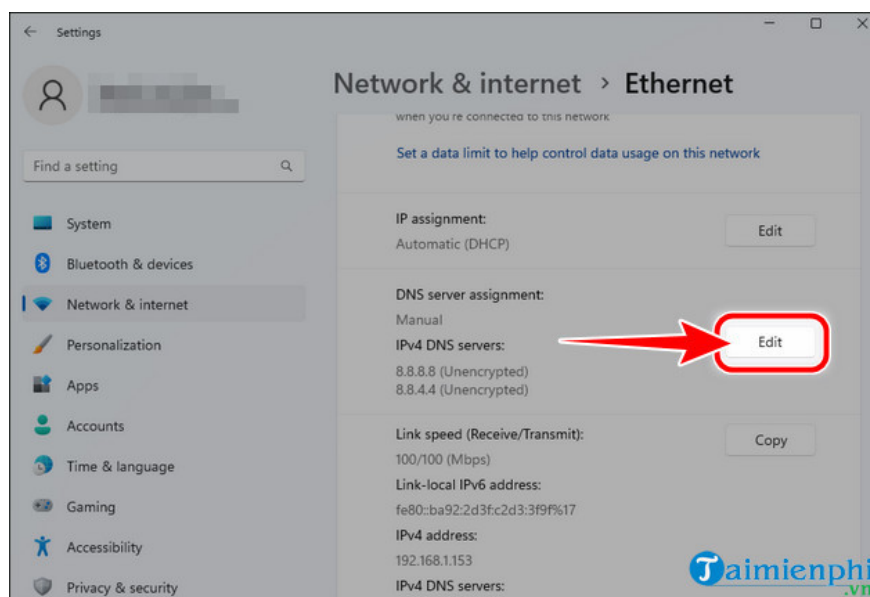
*Step 1:* Press the **Windows+I** key combination on the keyboard, select **Network & internet**



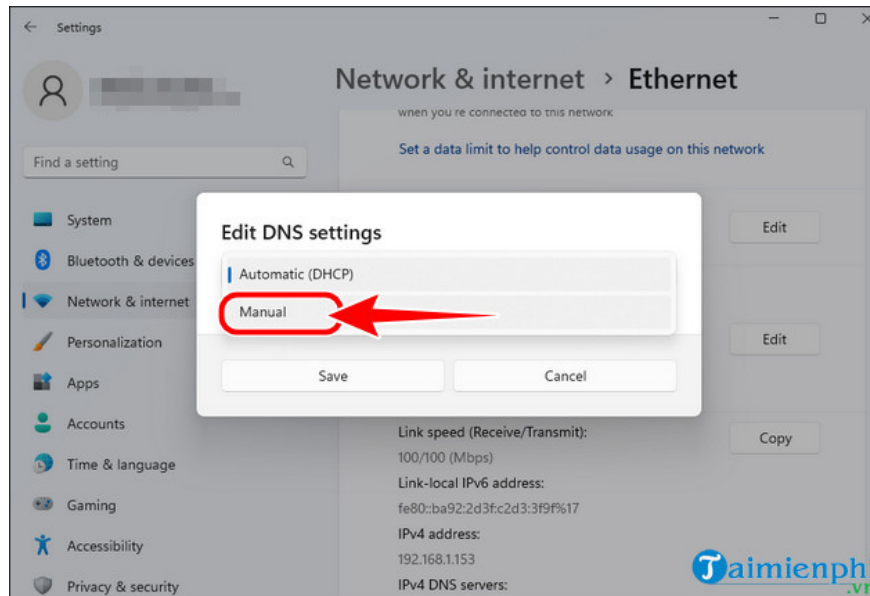
*Step 2:* Select **Ethernet** .



Step 3: Select **Edit** at **DNS Server Assignment** .



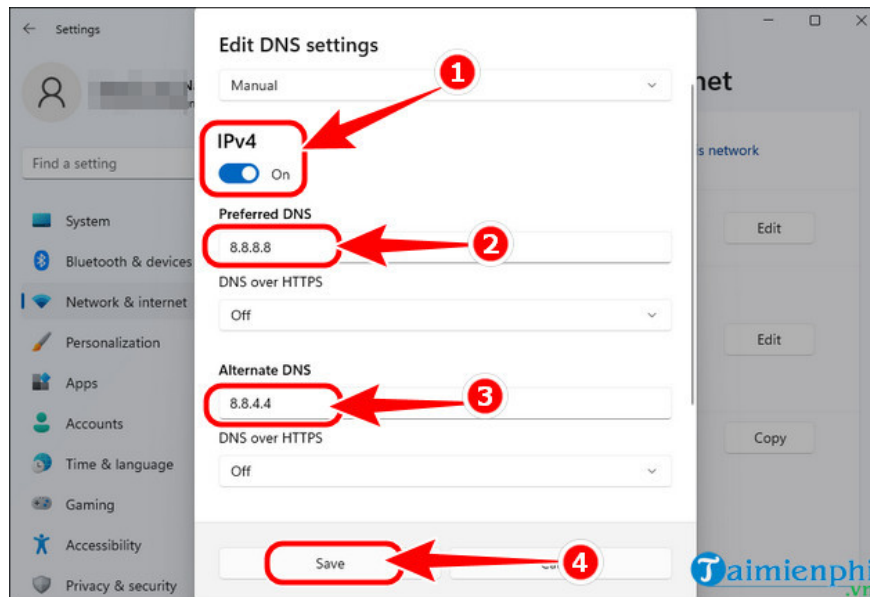
Step 4: Select **Manual** .



- Select **IPv4 On** , enter DNS into **Preferred DNS** and **Alternate DNS** => click **Save** .  
+ Here Taimienphi enters Google DNS

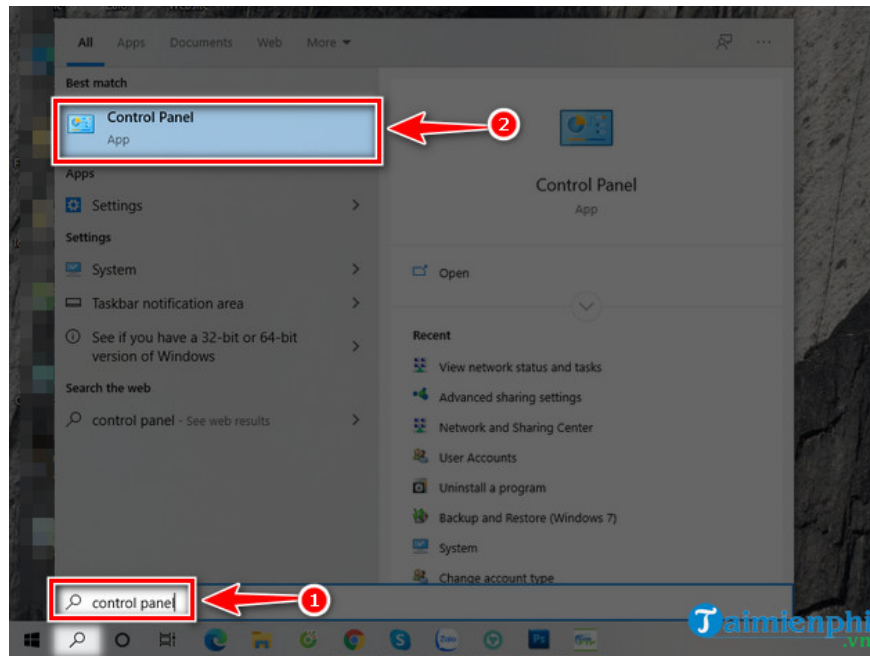
#### - Google DNS

+ Preferred DNS server: 8.8.8.8  
+ Alternate DNS server: 8.8.4.4

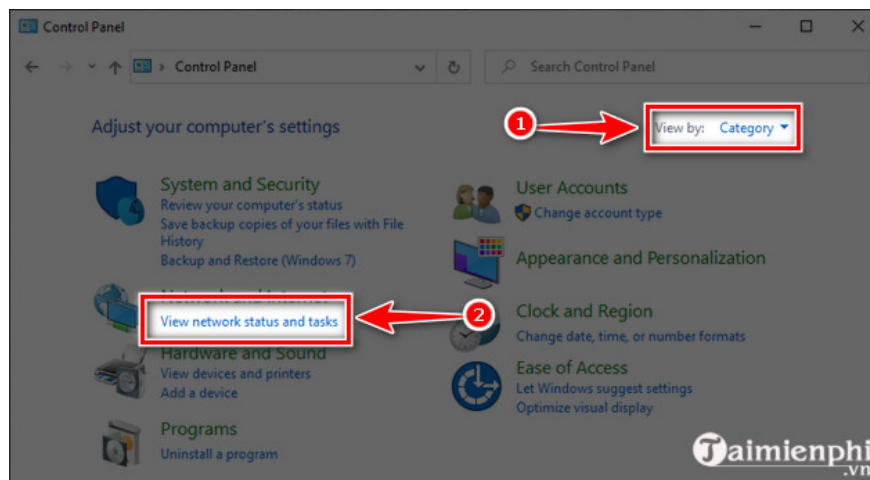


## *IV. How to change DNS on Windows 10 to access blocked websites*

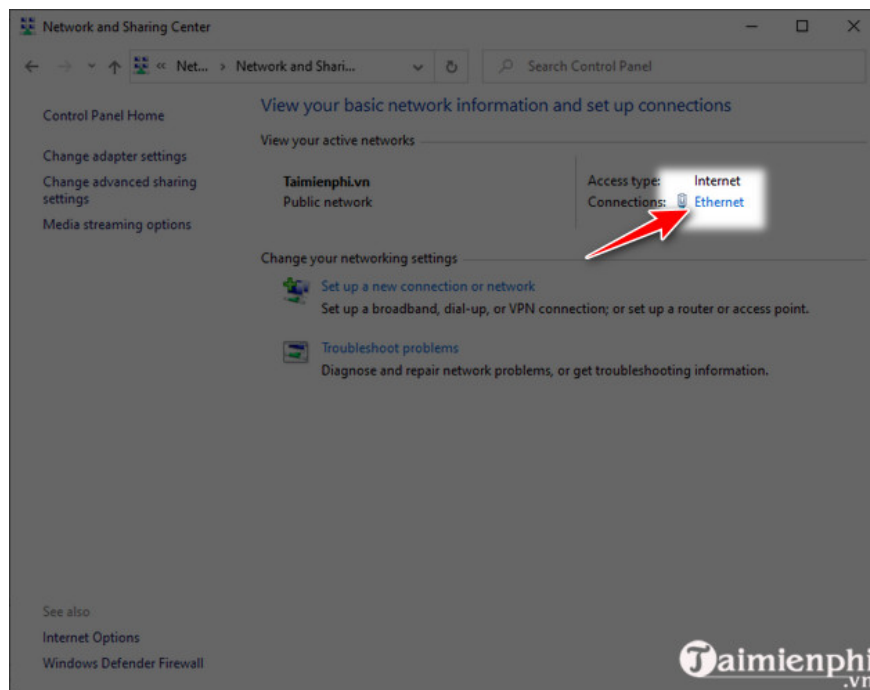
*Step 1* : From the search bar on **Windows 10** , enter the keyword **Control Panel** in the empty box => select **Control Panel** in the list that appears.



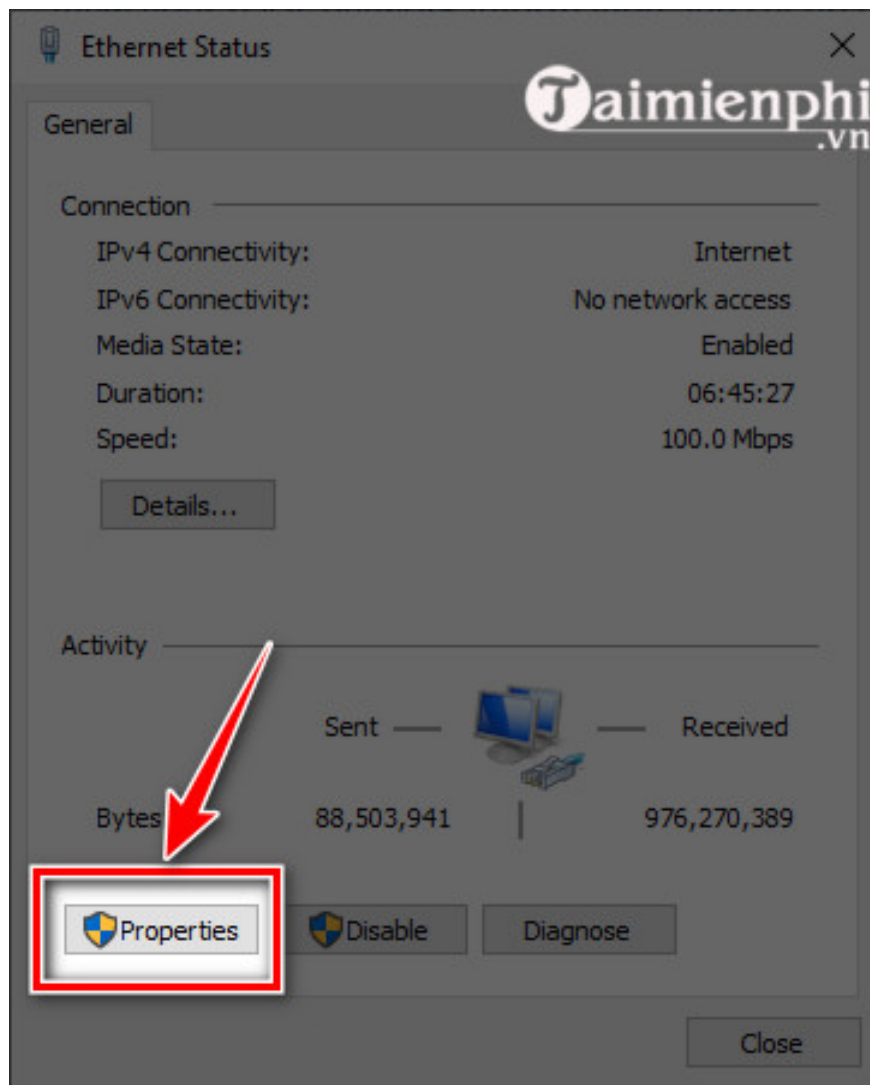
Step 2: In the next table, in the **View by** section select **Category** => click **View network status and tasks** below.



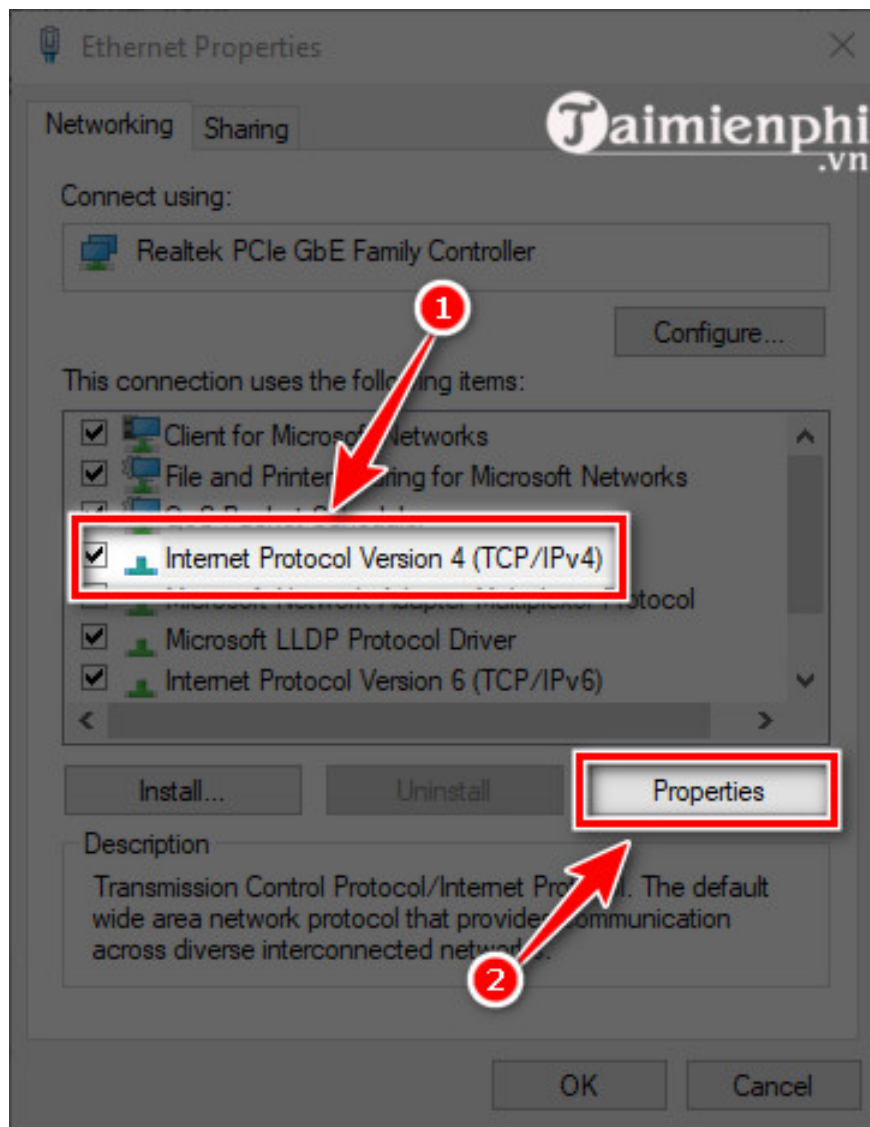
Step 3: At the **View your active networks** tab => click **Ethernet** (for wired networks) or **Wi-Fi** (for Wifi networks) at the **Connections** tab .



*Step 4:* In the network status interface, click **Properties** .



*Step 5:* At the network parameter adjustment interface, find the **Internet Protocol Version 4 (TCP/IPv4)** section. Click to select this protocol and continue to click **Properties** .



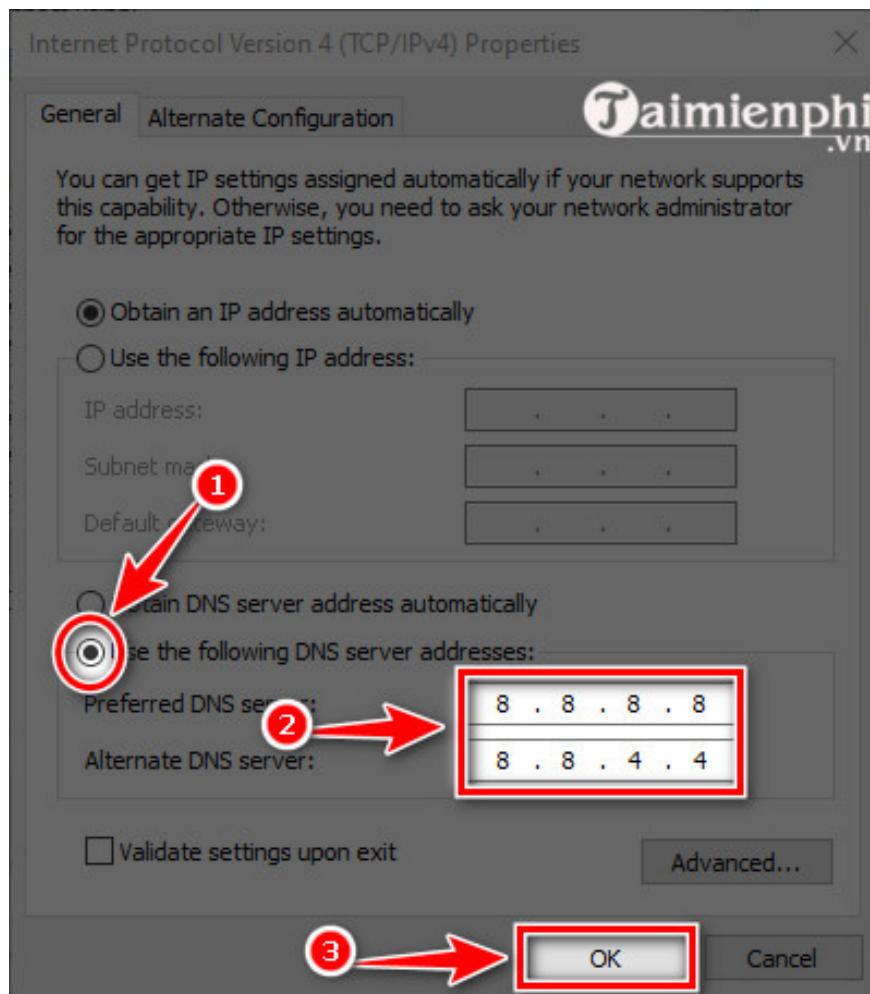
*Step 6* : By default, the computer will always automatically get any DNS address so users do not need to customize it, but for some reason, that DNS can be the reason why users cannot access Facebook. due to DNS blocking. Thus, changing DNS will have the effect of re-establishing access to Facebook. In the **General** tab , click **Use the following DNS server addresses** and enter DNS below => click **OK** => **OK** to confirm the DNS change on the computer.

**- Google DNS**

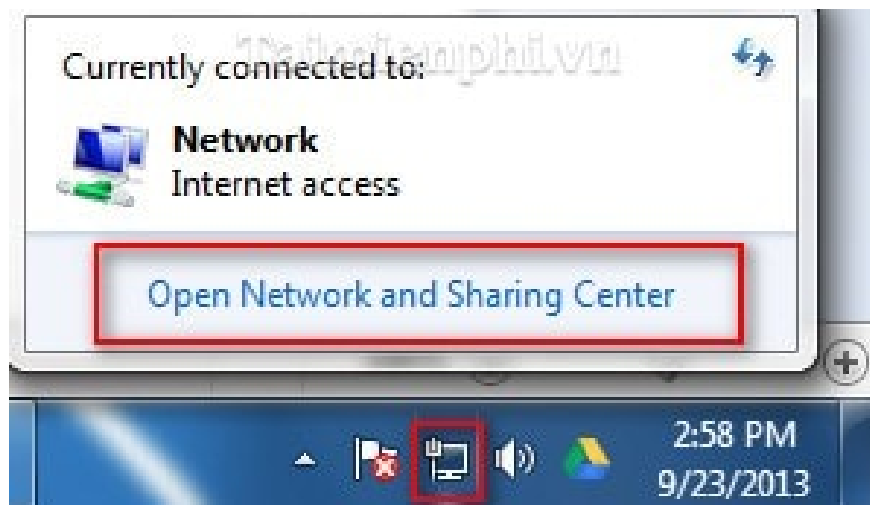
- + Preferred DNS server: 8.8.8.8
- + Alternate DNS server: 8.8.4.4

**- Cloudflare DNS:**

- + Preferred DNS server: 1.1.1.1
- + Alternate DNS server: 1.0.0.1



*Step 1:* First, tick the Internet icon in the right corner of the screen and select **Network and sharing Center**



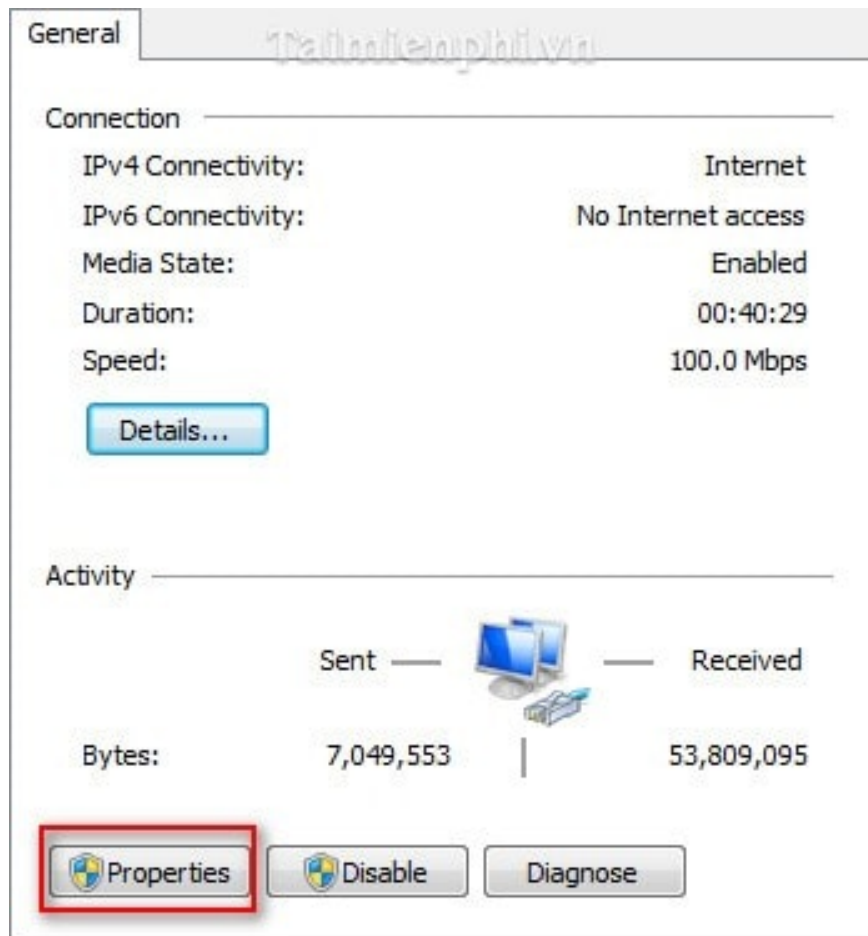
## **How to change DNS on Windows 7, Windows 8, XP on Facebook**

*Step 2:* Next click on **Local Area Connection Status** .



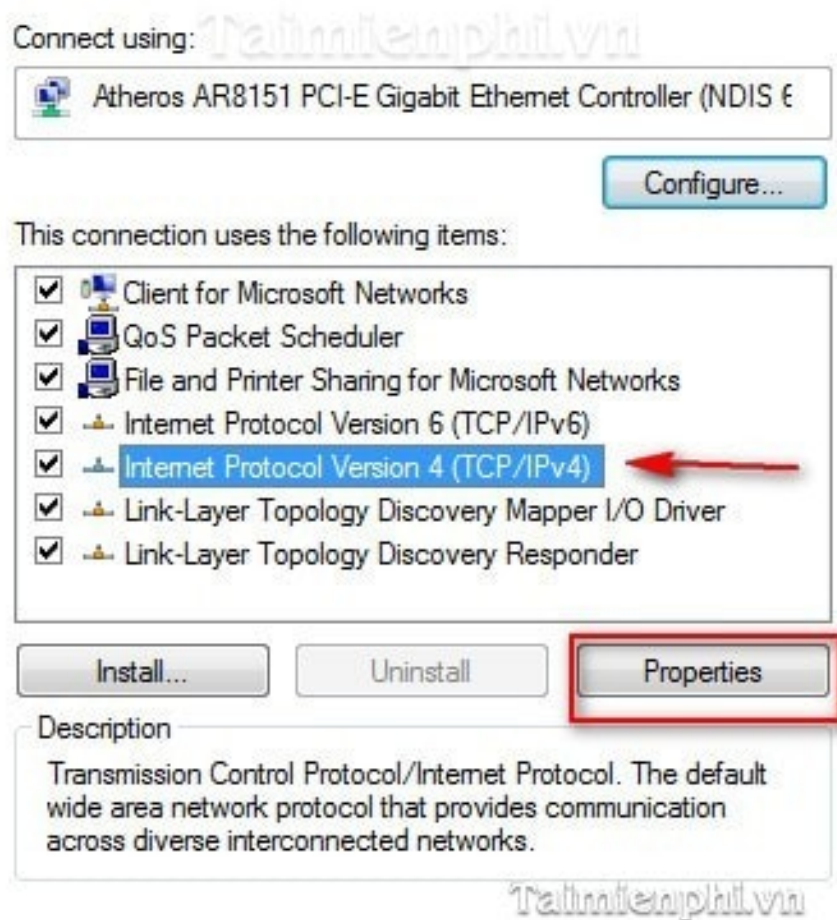
## Instructions to change DNS on Facebook Windows 7 & Windows 8

*Step 3:* When the **Local Area Connection Status** window appears. Select **Properties** .



## How to change DNS on Windows 7, 8, XP

*Step 4:* Then click on **Internet Protocol Version 4 (TCP/IPv4)** and click **Properties** .



## How to change DNS on Win 7, 8, Win XP to access Facebook and blocked websites

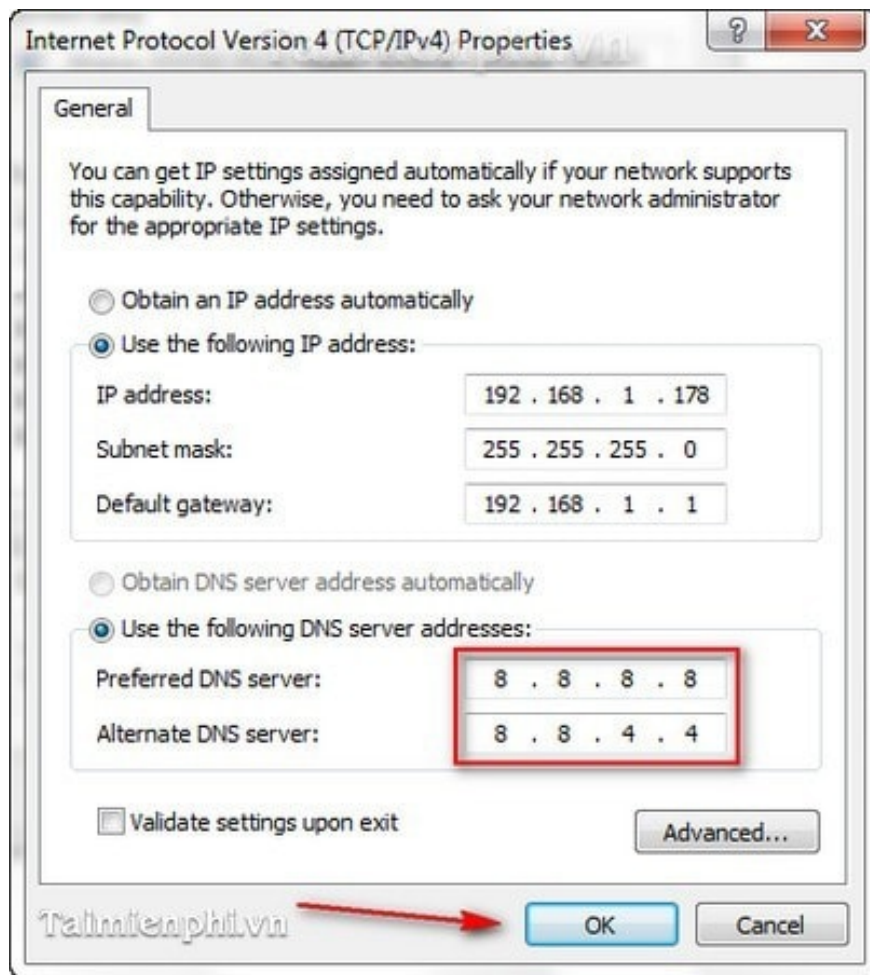
*Step 5:* A new window appears, check **Use Following DNS server Addresses** and fill in the DNS that is being used by most people today, change to **Google** or **Cloudflare DNS** => click **OK** .

### - Google DNS

- + Preferred DNS server: 8.8.8.8
- + Alternate DNS server: 8.8.4.4

### - Cloudflare DNS:

- + Preferred DNS server: 1.1.1.1
- + Alternate DNS server: 1.0.0.1



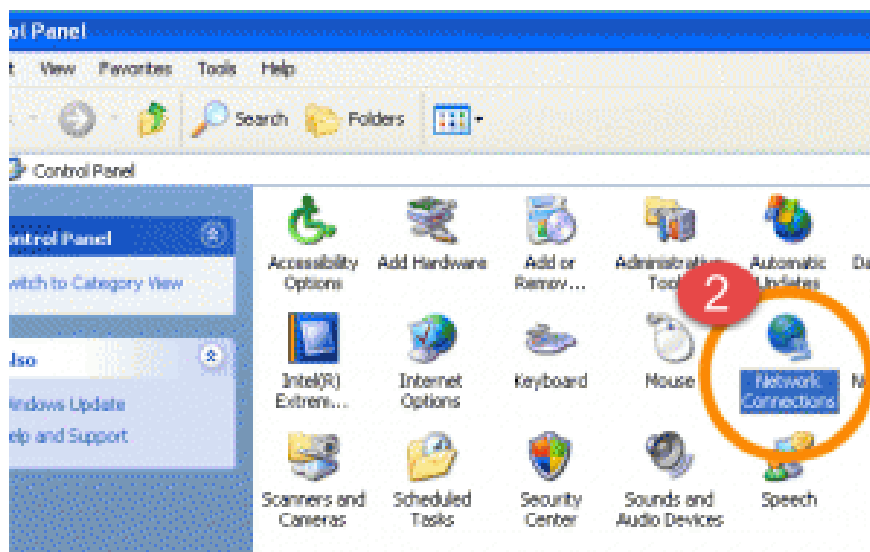
## Instructions to change DNS to access the latest blocked Facebook

*Step 1:* First, click the **Start** button in the lower left corner then select **Control Panel**.

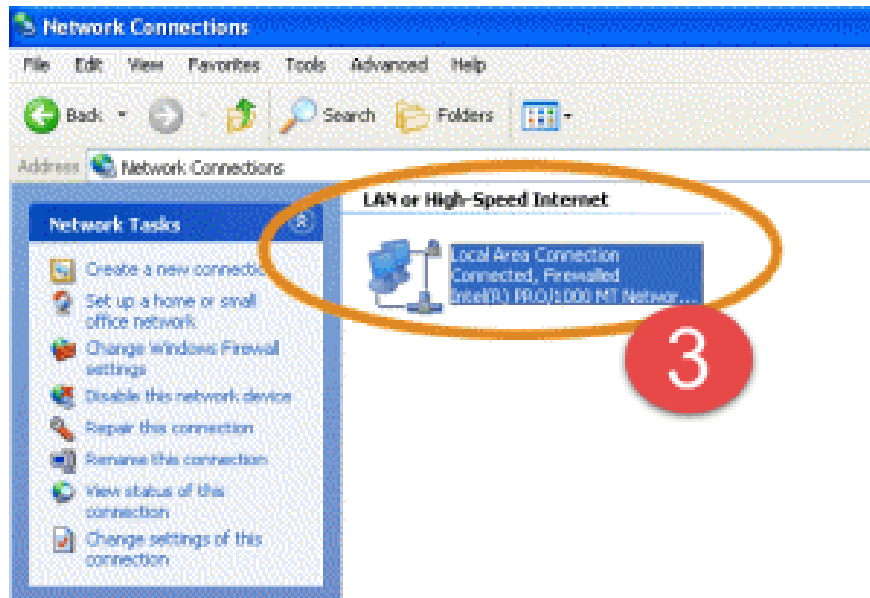


### Instructions for using Google DNS to access Facebook when blocked

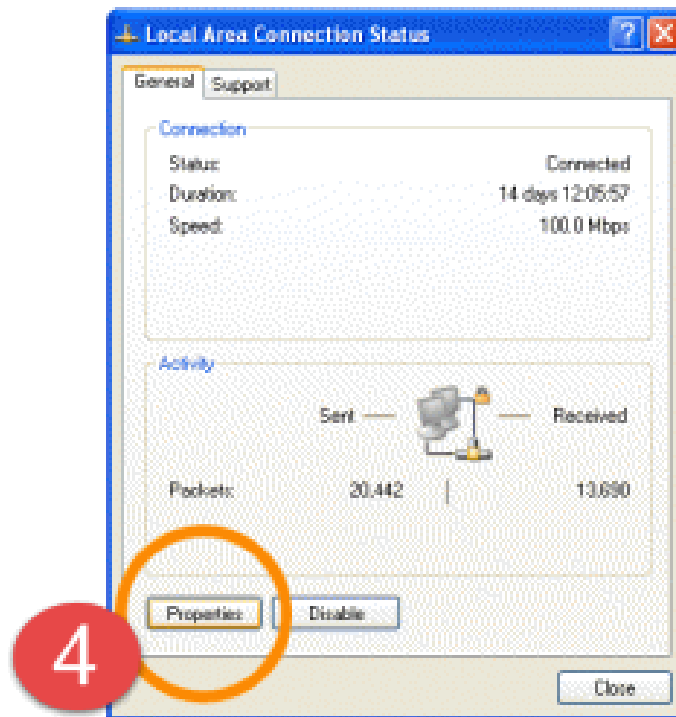
*Step 2:* In the Control Panel window, find the Network Connections icon. double click on it.



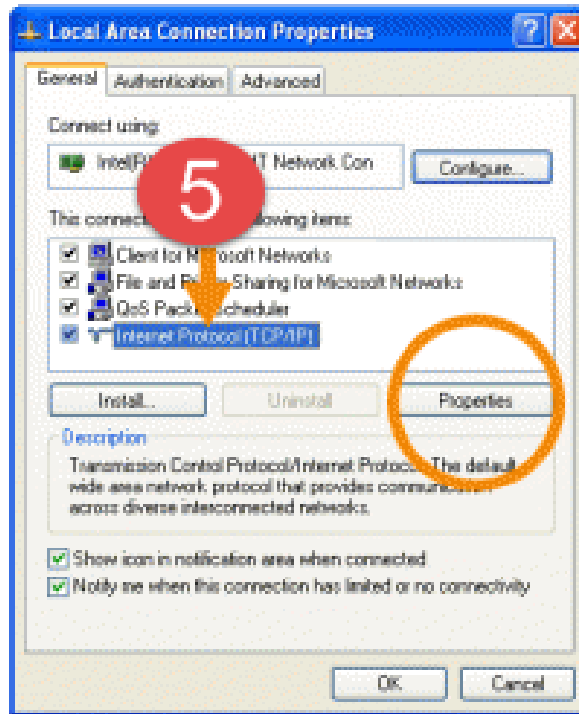
*Step 3:* In this window select **Network Connections** (If there are multiple network icons => select the network icon you are connecting to, they have a light indicator and no slashes)



Step 4: A new window appears, click on the **Properties** button .



Step 5: Then Select **Internet Protocol (TCP/IP)** and click the **Properties** button



*Step 6:* Select the **Use the following DNS server addresses** button and enter the DNS below => **click OK** to complete the steps to change DNS on Windows XP

**- Google DNS**

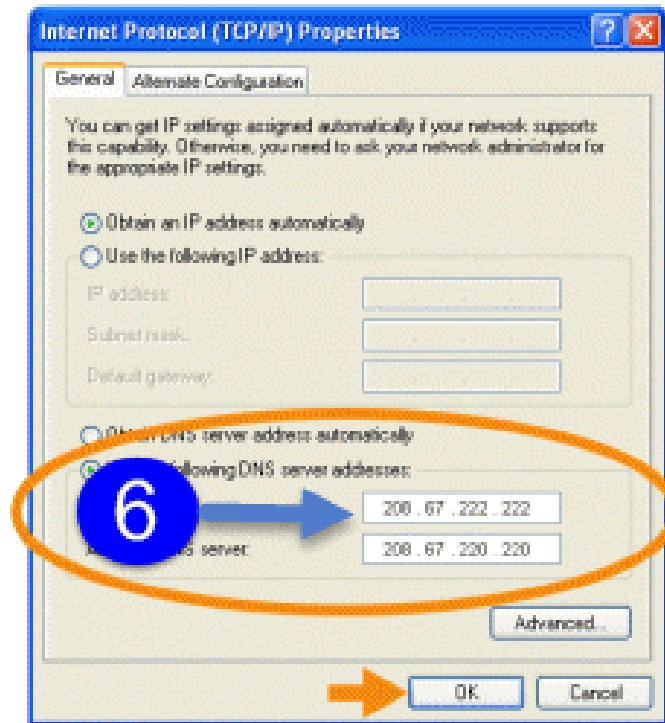
+ Preferred DNS server: 8.8.8.8

+ Alternate DNS server: 8.8.4.4

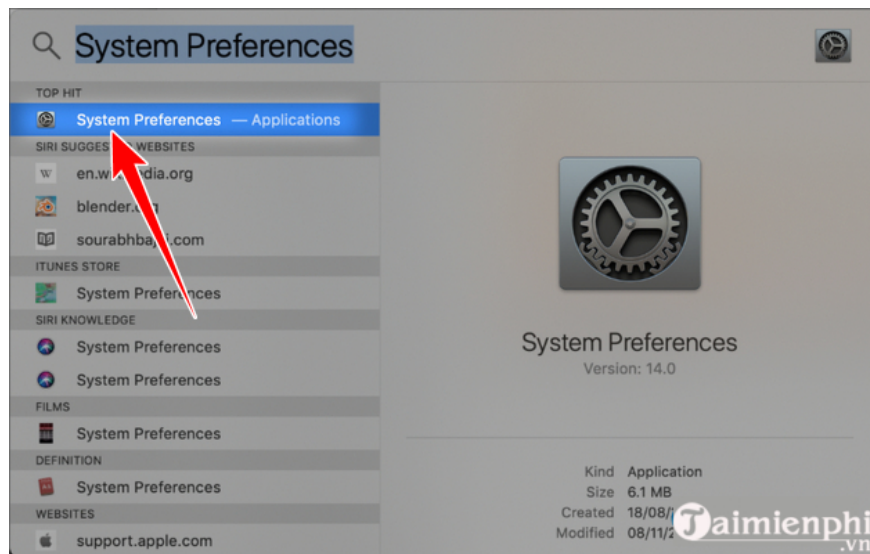
**- Cloudflare DNS:**

+ Preferred DNS server: 1.1.1.1

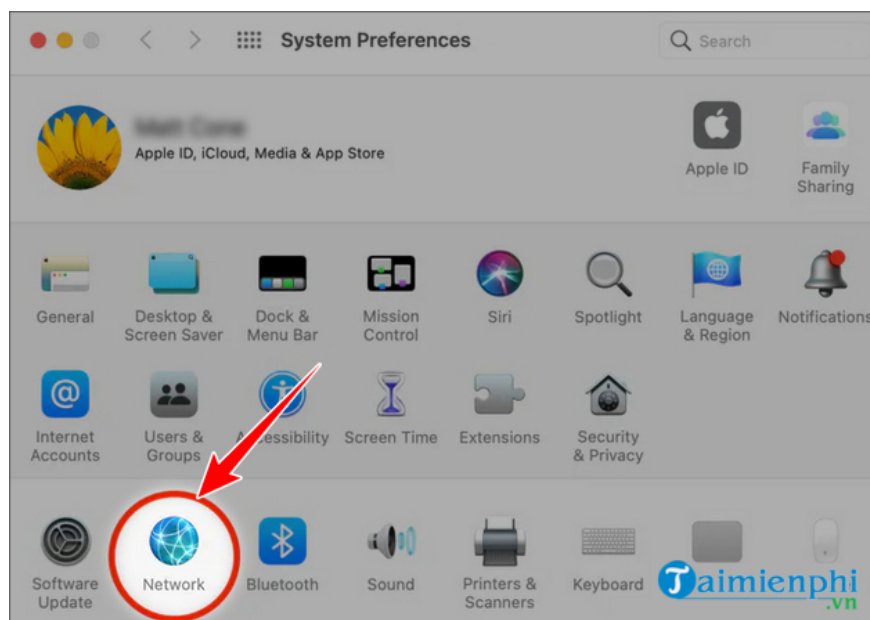
+ Alternate DNS server: 1.0.0.1



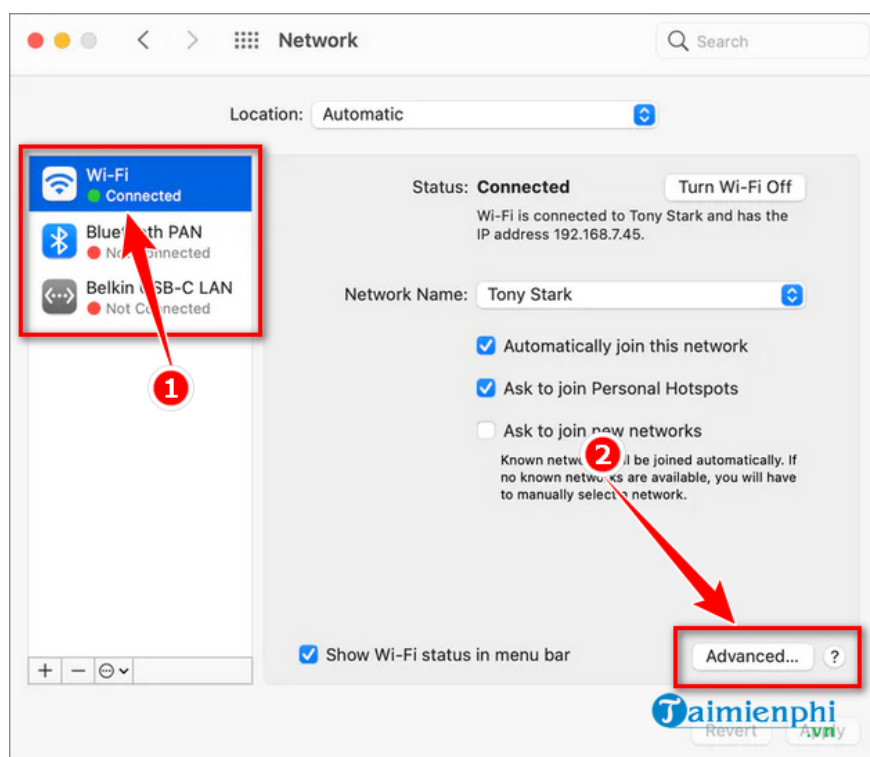
**Step 1:** To change DNS on Mac, first go to **System Preferences** from the **Apple menu**. Or you can also open **System Preferences** by entering **System Preferences** into **Spotlight** and pressing **Enter**.



**Step 2:** In the **System Preferences** window, click **Network**.



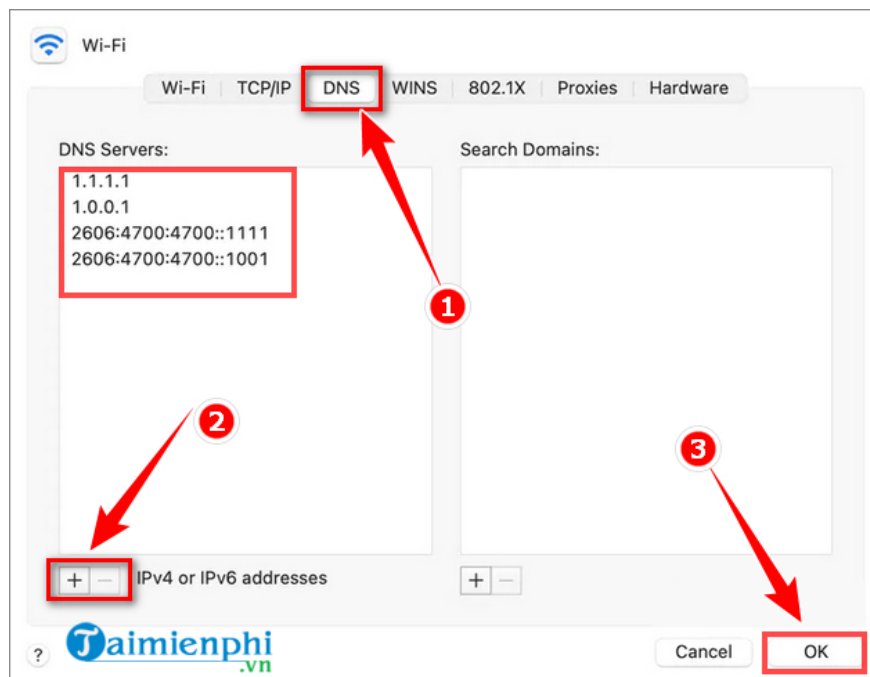
*Step 3:* Select the type of network you are using from the list on the left panel, such as **Wi-Fi** or **Ethernet** . Then, click **the Advanced button** in the lower right corner of the Network window.



*Step 4:* Click on **the DNS tab** to edit, add or remove DNS.

- Delete existing DNS: Select the DNS IP address and then click the minus symbol [-] or press the Delete key.
- Edit existing DNS: Double click on the DNS IP address and edit.
- Add new DNS: Click on the plus icon [+] and enter a new IP address from the list of popular DNS IPs shared in the article.

*Step 5:* Finally, click **OK => Apply** to complete the process of **changing DNS on Mac** .



**- DNS Google**

8.8.8.8

8.8.4.4

**- DNS Cloudflare**

1.1.1.1

1.0.0.1

**- Singapore DNS**

165.21.83.88

165.21.100.88

**- VNPT DNS**

203.162.4.191

203.162.4.190

**- DNS Viettel**

203.113.131.1

203.113.131.2

**- FPT DNS**

210.245.24.2

210.245.24.22

**- DNS OpenDNS**

208.67.222.222

208.67.220.220

**- Norton DNS**

198.153.192.1

198.153.194.15

#### **- DNS Verizon**

4.2.2.1  
4.2.2.2  
4.2.2.3  
4.2.2.4  
4.2.2.5  
4.2.2.6

#### **- DNS Dnsadvantage**

156.154.70.1  
156.154.71.1

#### **- DNS NetNam**

203.162.7.89  
203.162.6.71  
203.162.0.181  
203.162.0.24  
203.162.22.2  
203.162.7.131  
203.162.21.114  
203.162.7.89  
203.162.7.71

#### **- VNNIC DNS**

203.162.57.105  
203.162.57.107  
203.162.57.108

#### **- DNS Hi-Teck**

209.126.152.184  
216.98.138.163  
209.126.152.185

In addition to the DNS above, we also have a comprehensive list of the fastest and best DNS from Google, Singapore. if interested readers can get them by visiting the link below. If you encounter any problems during the implementation process, please contact Taimienphi via the comment section below, all readers' questions will be answered as soon as possible.

You finished reading the article "**How to change DNS on Windows 11/10/8/7 and macOS to surf the web and speed up the network**" 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.