

Does changing the Wi-Fi DNS have any effect?

Although DNS settings are extremely important for a user's browsing experience and speed, the issue that TipsMake wants to discuss here is whether changing Wi-Fi DNS has any impact.

The steps to change DNS on computers, Android, and iOS are basically quite simple and easy to follow. But does changing Wi-Fi DNS have any negative effects? Will it slow down the device?



Does changing the Wi-Fi DNS on a computer or phone have any negative effects?

1. What is DNS?

DNS (Domain Name System) essentially works like a directory of websites on the Internet, where domain names are located and translated into IP (Internet Protocol) addresses. DNS maps the username used to locate a website to the IP address that the computer uses to locate that website.



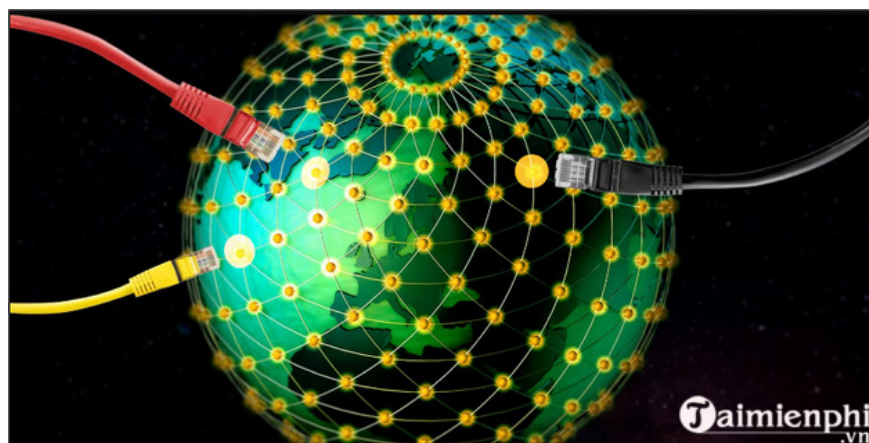
To make it easier to understand, for example, when you type "Taimienphi.vn" into your browser's address bar, the server will map the website name to its corresponding IP address. An IP address has a structure like 203.0.113.72.

2. Does changing the Wi-Fi DNS have any effect?

To explain the impact of changing Wi-Fi DNS, it's important to focus on the DNS records, the most crucial of which is the A record, short for Address.

An A record maps all domain names to IP addresses. When you access a website, DNS resolves the query, translating the website URL into an IP address that then points to the server hosting the website. High latency on the DNS server can affect and slow down the website's domain name resolution process. This can cause the website to load slower than you expect.

By default, the DNS server will be selected automatically, although some Internet service providers may use a specific DNS server closer to the user's geographic location.



However, if DNS servers are under heavy traffic, this will cause spikes in domain name resolution times, leading to slower web browsing speeds. Similarly, if DNS servers are located significantly away from the user's location, this will take longer to resolve website queries.

While users can change their Wi-Fi DNS to improve their web browsing speed, this isn't necessarily a one-size-fits-all solution. Ideally, you should choose a DNS server that's geographically close to your location and has up-to-date records.

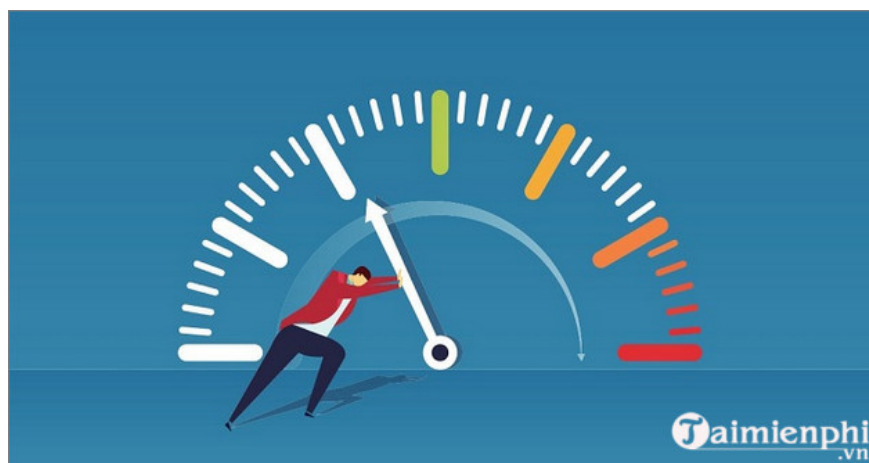
Websites on the internet are distributed across numerous servers or nodes. Some users utilize CDNs (content delivery networks) such as Cloudflare or Google DNS to improve performance and load websites faster.

Core files are distributed across the network instead of being stored on a single server. This helps reduce latency and improve website load times.

3. How to change DNS on computers, Android, and iPhones

Besides improving performance and speeding up web browsing, changing your Wi-Fi DNS also offers several other benefits to users, such as:

- Better privacy protection (avoiding internet service providers tracking and recording browsing history).
- Access to websites that are geographically blocked.
- Blocking malicious websites and filtering inappropriate content, etc.



For these reasons, you should change your DNS to improve your browsing experience, making it faster and better protecting your privacy. For detailed instructions on how to change DNS on your computer, Android, and iPhone, please refer to the section below.

3.1. How to change DNS on your computer

On computers running Windows 11, 10, 8, and 7, you can change your Wi-Fi DNS settings through the Control Panel, the Settings window, and the Command Prompt.

See more details on how to change DNS on Windows 11/10/8/7/XP and macOS [here](#).

- How to change DNS on Windows 11
- How to change DNS on Windows 10
- How to change DNS on Mac

3.2. How to change DNS on Android

Similarly, you can change your DNS on Android to speed up your internet access, browse Facebook, and watch YouTube videos better.

For detailed instructions on how to change DNS on Android to browse the web and watch movies at high speed, you can find more information here.

3.3. How to change DNS on iPhone

Changing DNS settings on an iPhone running iOS 11 or later is slightly different from iPhones running older iOS versions. You can find more detailed instructions here.

In summary, this article from TipsMake has answered your question: Does changing Wi-Fi DNS have any impact? Are you currently changing DNS on your computer, Android phone, or iPhone? Don't forget to share your thoughts with TipsMake!

You finished reading the article "**Does changing the Wi-Fi DNS have any effect?**" 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.