

How to reset IP address using Ipconfig command

Using the ipconfig command is one of the simplest ways to find your device's IP address.

This article *TipsMake* guides you how to reset IP address using Ipconfig command such as finding IP address, refreshing IP address in the most detailed way to fix problems related to network connection.

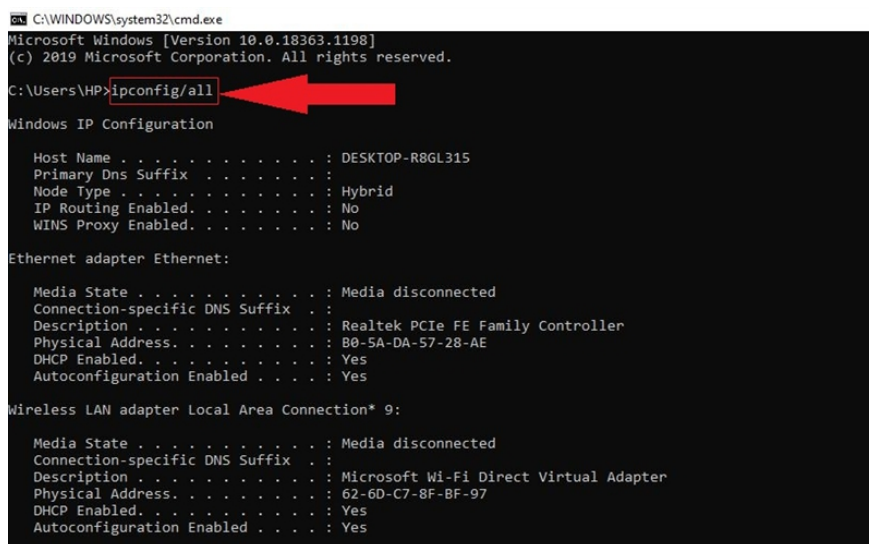
What is IP address reset?

Resetting the IP address is the process of refreshing or changing the IP address of a network-connected device. This is an operation commonly performed when there is a network connection problem such as: IP address conflict or when the device moves between different networks.

When you reset your IP address, your device sends a request to a DHCP (Dynamic Host Configuration Protocol) server to obtain a new IP address or a previously assigned IP address. This process not only improves connectivity, but can also help protect your privacy by changing your public IP address.

What is the ipconfig command?

The ipconfig command stands for "Internet Protocol Configuration". It allows users to view and manage information related to the device's network configuration including: IP address, MAC address and other parameters related to network connection.



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.18363.1198]
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C:\Users\HP>ipconfig/all

Windows IP Configuration

Host Name . . . . . : DESKTOP-R8GL315
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No

Ethernet adapter Ethernet:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . . :
Description . . . . . : Realtek PCIe FE Family Controller
Physical Address. . . . . : B0-5A-DA-57-28-AE
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes

Wireless LAN adapter Local Area Connection* 9:

Media State . . . . . : Media disconnected
Connection-specific DNS Suffix . . :
Description . . . . . : Microsoft Wi-Fi Direct Virtual Adapter
Physical Address. . . . . : 62-6D-C7-8F-BF-97
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
```

Through this command, users can find information about IP address, subnet mask, default gateway and many other information related to network connection.

Why reset and renew IP address?

Resetting and refreshing your IP address is an important step to maintain the performance and stability of your Internet connection. This is one of the common troubleshooting methods that users often apply when facing network problems.

When your IP address is faulty or conflicts with other devices on the same network, resetting the IP address can quickly resolve the issue. Using the `ipconfig` command to refresh the IP address will help your device receive a new IP address from the DHCP server, thereby improving connectivity.

Use the ipconfig command to find the IP address

Using the `ipconfig` command is one of the simplest ways to find your device's IP address. No need for any complicated software or tools, just use the Command Prompt in Windows.

Open Command Prompt (Run as administrator).

Type `ipconfig` and press Enter to see your IP address, subnet mask, and default gateway. Use `ipconfig /all` for more details.

Or, using PowerShell (Run as administrator), type `Get-NetIPAddress | ft -AutoSize` to see the IP address.

Alternatively, you can view the IP address in Settings by going to "Open Network & Internet Settings" > "Change Connection Properties" and looking for "IPv4 Address".

Reset and refresh IP address on Windows using `ipconfig`

To reset and refresh the IP address on a Windows computer using the `ipconfig` command, you can follow these steps:

Use the ipconfig command to reset the IP address

Open Command Prompt

Press the Windows + R key combination to open the Run dialog box.

Type `cmd` keyword and press OK to open Command Prompt.

Check your current IP address by in the Command Prompt window, typing the command `ipconfig` and pressing Enter:

Release the old IP address by typing the command `ipconfig /release` and pressing Enter.

After executing this command, the IP address will be cleared and you can see the IP address displayed as 0.0.0.0.

Use the ipconfig command to renew the IP address

If you just want to renew the IP address without releasing it, type the command `ipconfig /renew` and press Enter.

When using this command, your device will send a request to the DHCP server to get a new IP address without having to release the current IP address.

Reset and refresh IP address on Mac

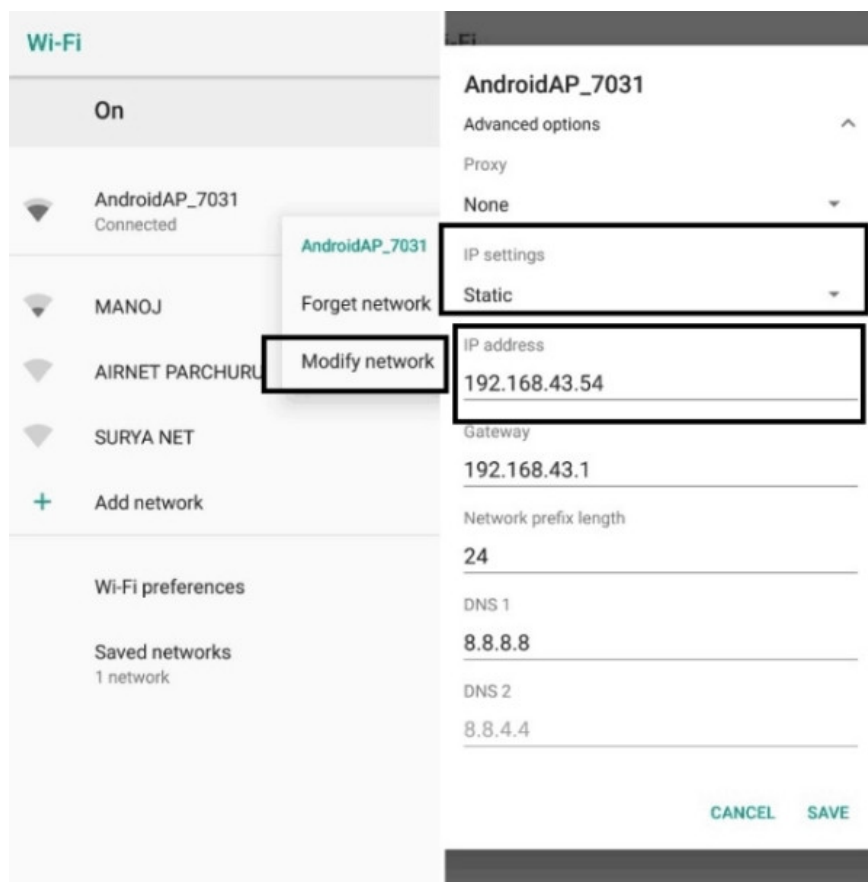
Here are specific instructions to help you Reset and refresh IP address on Mac:

1. To reset the IP address on your Mac, go to "System Preferences" and then select "Network". Here, you will see a list of network connections that the device is using. Select the connection you want to reset, then click the "Advanced" button.
2. In the "TCP/IP" tab you can see the current IP address. To reset you just need to click on the "Renew DHCP Lease" button to refresh the IP address.

Reset and refresh IP address on phone

Resetting and refreshing the IP address on your phone is also quite simple and can be done by following these steps:

Reset and refresh IP address on Android



Reset and refresh IP address on Android

Check IP address

Go to Settings > About > Status.

Access Wifi settings

Go to Network & Internet > Wifi, select the network you are connected to.

Edit IP settings

Click the gear icon next to the network name, select Change network > Advanced options > select Static.

Enter IP information

Enter the new IP address and press Save.

Reset and refresh IP address on iPhone

If you want to change your IP address on your iPhone, you can follow these steps:

1. Open the Settings app.
2. Select Wifi.
3. Tap the (i) icon next to the name of the Wifi you are connected to.
4. Select Configure IP.
5. Select Manual and enter the new IP address along with DNS information if required.

Advanced ipconfig commands

1. ipconfig /?: Displays help messages about how to use ipconfig commands.
2. ipconfig /all: Provides detailed information about all network configurations, including MAC addresses, IP addresses (IPv4 and IPv6), default gateways, DHCP and DNS servers.
3. ipconfig /allcompartments: Displays information about all parts of the network
4. ipconfig /release: Release the IPv4 address for the specific adapter
5. ipconfig /release6: Release the IPv6 address for the adapter
6. ipconfig /renew: Renew the IPv4 address for the specific adapter from the DHCP server.
7. ipconfig /flushdns: Clears the DNS Resolver cache, helping to update the latest DNS records

Note when resetting IP address with Ipconfig command

Resetting your IP address with ipconfig may seem simple, but it doesn't always work. Sometimes, your computer will keep the same IP address or will display an error message due to a DHCP server problem. To avoid this, make sure you run Command Prompt with admin rights or check your network connection and write down your current network configuration before resetting.

Conclude

Hopefully this article from TipsMake has given you a comprehensive look at resetting IP addresses and how to do it. Always remember to use ipconfig commands appropriately and effectively to enjoy the best Internet experience!

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