

# What is a ping? Ping instructions to test the network and explain the parameters

What is a ping? Ping instructions to test the network and explain the parameters. Ping is a term used in the field of Internet, although not many people care about it but Ping is also worth your attention when using the network. Please follow the lesson v

Ping is a term used in the field of Internet, although not many people care about it but Ping is also worth your attention when using the network. Please follow the article below to know what **is Ping?** Along with that, ThuThuyMat Software.vn.vn will **guide Ping to check the network and explain the parameters.**



## What is a ping?

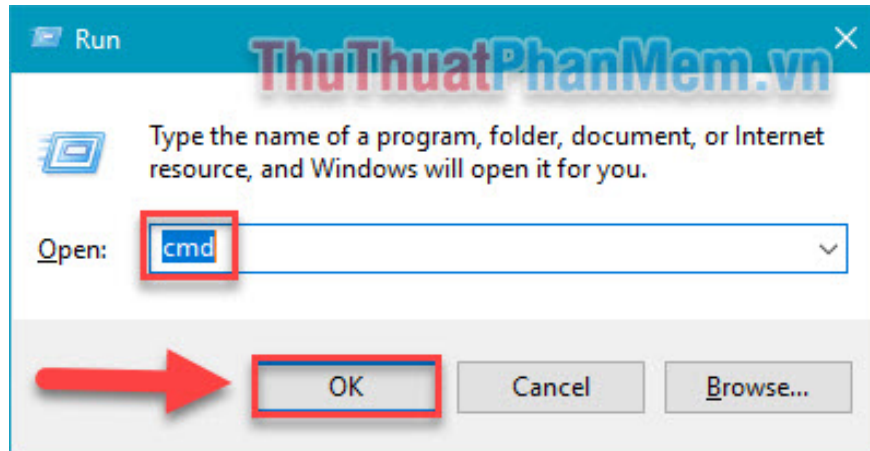
Ping (Packet Internet Grouper) is a utility that helps determine if a network data packet when transmitting to an address fails. Ping is often used to measure network latency when two devices are connected to each other, this is the concern gamers have to know the network is stable, does not cause jerky, lag when playing games.

The Ping command is useful when used to check the access status of some devices on the Internet. Ping helps you identify:

1. Is the server working?
2. Time to communicate with the server.
3. How many packets are lost when communicating with the target device.

# Use ping to test the network

Step 1: You press Windows + R key combination to open the Run dialog box, type cmd and OK to open the cmd window.



Step 2: Use the Ping command on the cmd, enter the ping + IP address (or hostname) of the computer or server.

For example, to Ping according to the network operators, you enter:

1. **Viettel** : ping 203.113.131.1
2. **FPT** : ping 210.245.31.130
3. **VNPT** : ping 203.162.4.190

To Ping by domain name, for example:

1. ping www.bing.com
2. ping www.google.com

After entering the command, press Enter.

```
Microsoft Windows [Version 10.0.17763.316]
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C:\Users\ >ping 203.162.4.190

Pinging 203.162.4.190 with 32 bytes of data:
Reply from 203.162.4.190: bytes=32 time=23ms TTL=247
Reply from 203.162.4.190: bytes=32 time=23ms TTL=247
Reply from 203.162.4.190: bytes=32 time=24ms TTL=247
Reply from 203.162.4.190: bytes=32 time=23ms TTL=247

Ping statistics for 203.162.4.190:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 23ms, Maximum = 24ms, Average = 23ms

C:\Users\ >ping www.google.com.vn

Pinging www.google.com.vn [2404:6800:4005:800::2003] with 32 bytes of data:
Reply from 2404:6800:4005:800::2003: time=1ms
Reply from 2404:6800:4005:800::2003: time=2ms
Reply from 2404:6800:4005:800::2003: time=12ms
Reply from 2404:6800:4005:800::2003: time=3ms

Ping statistics for 2404:6800:4005:800::2003:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 12ms, Average = 4ms
```

Parameters you need to consider include:

1. **Bytes = 32** : The ping packet to the host is 32 bytes in size
2. **Time** : The response time from the host you pinged. When you send the ping command to check if the host is active, if it works, the host will respond to you. The less this time means the stronger the connection.
3. **TTL (Time to Live)** : The live time of the packet. Every time a packet goes through a route it will be reduced by 1 unit. When the value of TTL drops to zero and the packet has yet to reach the destination, it will be discarded.  
The operating system of different destination hosts also determines different TTL numbers.
4. If you see the message **Request timed out** , it means that the destination host has disconnected or the Firewall blocked the packet.

```
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    Approximate round trip times in milli-seconds:
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```

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Thus, the Software Division has defined what it is to help you ping and how to ping to test the network. Wish you practice public!

You finished reading the article "**What is a ping? Ping instructions to test the network and explain the parameters**" 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.