

# How to Run the traceroute and ping Commands

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## Overview

This document describes how to run the `traceroute` and `ping` utilities on different operating systems. The `traceroute` utility determines the route that a network packet travels from your local machine to reach the target destination. The `ping` command allows you to test the latency between your local machine and the target IP address.

**Note:**

On Microsoft Windows®, use the `tracert` command to run the `traceroute` utility.

For more information about these utilities, read the following documentation:

- Wikipedia's [Ping \(network utility\)](#) article.
- Wikipedia's [Traceroute](#) article.

## Traceroute

MacOS® or LinuxWindows®

To run the `traceroute` utility on a MacOS or Linux server, perform the following steps:

1. Log in to the server via SSH.

**Note:**

Some servers may restrict the `traceroute` command. If so, SSH to the server with a privileged user, such as the `root` user.

2. Run the `traceroute example.com` command, where `example.com` represents the target host to test. Successful output will resemble the following example:

```
traceroute to example.com (192.168.0.20), 30 hops max, 60 byte packets
 1 gateway (192.168.0.20)  0.868 ms  0.856 ms  0.728 ms
 2 10.1.0.1 (192.168.0.20)  0.664 ms  0.629 ms  0.595 ms
 3 vll118.ss-core.example.com (192.168.0.20)  1.041 ms  1.011 ms
 0.974 ms
```

To run the `tracert` utility on a Microsoft Windows server, perform the following steps:

1. From the Windows *Start* menu, enter `cmd` in the *Search* text box.
2. Double-click *Command Prompt* in the list that displays. The Windows command prompt will appear.
3. Run the `tracert example.com` command, where `example.com` represents the target host to test. Successful output will resemble the following example:

```
Tracing route to example.com [192.168.0.20]
 0  0ms  0ms  0ms  192.168.0.1
 1  2ms  1ms  1ms  192.168.0.20
 2  7ms  7ms  9ms  192.168.0.20 gateway (192.168.0.20)  0.868 ms  0.856
ms  0.728 ms
 3 11ms 11ms 11ms 192.168.0.20
```

## Ping

MacOS or LinuxWindows

To run the `ping` utility on a MacOS or Linux server, perform the following steps:

1. Log in to the server via SSH.

**Note:**

Some servers may restrict the `traceroute` command. If so, SSH to the server with a privileged user, such as the `root` user.

2. Run the `ping example.com` command, where `example.com` represents the target host to test. Successful output will resemble the following example:

```
PING example.com (192.168.0.20): 56 data bytes
64 bytes from 192.168.0.20: icmp_seq=0 ttl=45 time=22.122 ms
64 bytes from 192.168.0.20: icmp_seq=1 ttl=45 time=21.327 ms
64 bytes from 192.168.0.20: icmp_seq=2 ttl=45 time=24.583 ms
```

To run the `ping` utility on a Microsoft Windows server, perform the following steps:

1. From the Windows *Start* menu, enter `cmd` in the *Search* text box.
2. Double-click *Command Prompt* in the list that appears.
3. Run the `ping example.com` command, where `example.com` represents the target host to test. Successful output will resemble the following example:

```
PING example.com (192.168.0.20) with 56 bytes of data:
Reply from 192.168.0.20: bytes=64 ttl=45 time=22.921 ms
Reply from 192.168.0.20: bytes=64 ttl=45 time=22.921 ms
Reply from 192.168.0.20: bytes=64 ttl=45 time=22.921 ms
```

## Additional documentation

Suggested documentation For cPanel users For WHM users For developers

- [How to Disable Network Manager](#)
- [How to Run the traceroute and ping Commands](#)
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- [How to Disable Network Manager](#)

- How to Run the traceroute and ping Commands

## Content by label

There is no content with the specified labels

