

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

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
```

Ping

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
```

Additional documentation

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

- [How to Disable Network Manager](#)