

How To Guides for TCP/IP on z/OS

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Test TCP/IP Connectivity

UNIX commands to test TCP/IP connectivity

These commands can be executed directly in the [TSO](#) environment or with the [TSO interfaces](#) of the [ISPF](#) environment.

ping

Test connectivity to another host

```
ping -c 1 hostname
```

```
ping -c 1 ipaddr
```

ping will fail if ICMP requests are dropped by the target host or blocked by a router somewhere in the network path. Therefore, this should be first tried when the connection is working, to ensure that a failure is due to actual network connectivity problems.

traceroute

Trace the connection to another host

```
traceroute hostname
```

```
traceroute ipaddr
```

tracerte may not work properly if ICMP requests are dropped by the target host or blocked by a router somewhere in the network path. Therefore, this should be first tried when the connection is working, to ensure that a failure is due to actual network connectivity problems.

Look up DNS Information

UNIX commands to look up DNS information

Name Server Lookup

Name Server Lookup

See [Name Server Lookup](#) for general information on the nslookup command.

Domain Information Groper

Grope for domain information with DIG

See [Domain Information Groper](#) for general information on the dig command.

```
dig hostname
```

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