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Ping IPv6 IP Address With ping6 Command

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Q. I'm unable to ping an IPv6 address. I'm getting error:

> ping 2001:db8::1428:57ab
> ping: unknown host 2001:db8::1428:57ab

My network is configured for IPv6 with IP address. How do I ping an IPv6 address?

A. Regular ping command only works with IPv4 address. Use ping6 command to send ICMP ECHO_REQUEST to network hosts from a host or gateway.

[1]

ping to IPv6 host

Type the command as follows:

```
$ ping6 localhost
$ ping6 host.domain.com
$ ping6 IPv6-address
$ ping6 2001:4860:b002::68
```

The best way is to ping global website such as ipv6.google.com, enter:

```
$ ping6 ipv6.google.com
```

Sample output:

```
ping6 ipv6.google.com
PING ipv6.google.com(2001:4860:b002::68) 56 data bytes
64 bytes from 2001:4860:b002::68: icmp_seq=0 ttl=59 time=58.4 ms
64 bytes from 2001:4860:b002::68: icmp_seq=1 ttl=59 time=56.4 ms
64 bytes from 2001:4860:b002::68: icmp_seq=2 ttl=59 time=62.1 ms
64 bytes from 2001:4860:b002::68: icmp_seq=3 ttl=59 time=56.8 ms
64 bytes from 2001:4860:b002::68: icmp_seq=4 ttl=59 time=56.5 ms
64 bytes from 2001:4860:b002::68: icmp_seq=5 ttl=59 time=59.5 ms

--- ipv6.google.com ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5002ms
rtt min/avg/max/mdev = 56.443/58.329/62.150/2.045 ms, pipe 2
```

Read ping6 man page for more information:

```
$ man ping6
```

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