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How To Ping IPv6 Address Using Windows Vista / Xp or Windows Server 2008 / 2003 Server

Posted by [Vivek Gite](#) <vivek@nixcraft.com>[« « Previous in series](#) ^[1]**Q.** How do I ping IPv6 enabled address using Windows XP or Vista or Windows ME?**A.** Only following Windows product support IPv6 via ping.exe:

=> Windows Vista

=> Windows Server 2008

=> Windows XP with SP1 or later

=> Windows Server 2003

**WARNING!** You must have IPv6 tunnel installed or native IPv6 transport from

your ISP to use IPv6 over the Internet. You can always use IPv6 inside your LAN/WAN if you have IPv6 enabled networking gear such as routers and other equipments.

^[2]

Ping IPv6 using DNS host name

Open command prompt and type the following command

```
ping -6 {host.name}  
ping -6 ipv6.google.com
```

Where `ipv6.google.com` is a name that can be resolved to an IPv6 address through entries in the local hosts file, or through AAAA resource records that are present in your Domain Name System (DNS) infrastructure. When you identify the target host by name rather than IPv6 address, it is necessary to include the `-6` parameter.

To ping using an IPv6 address, the Ping.exe syntax is the following:

```
ping IPv6Address [%ZoneID]  
ping 2001:4860:0:2001::68
```

`2001:4860:0:2001::68` is gloable IPv6 address. To ping to **the link-local address** `fe80::260:97ff:fe02:6ea5` using zone ID 4 (the interface index of an installed Ethernet adapter), use the following command:

```
ping fe80::260:97ff:fe02:6ea5%4
```

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3. [How To Specify and Browse Website Using IPv6 Address With Firefox, Opera Web Browser](#) ^[1]
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[3] tspc: Debian / Ubuntu Linux Configure IPv6 Tunnel: <http://www.cyberciti.biz/faq/tspc-debian-ubuntu-linux-configure-ipv6-tunnel/>

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