

## Re: ICMP Questions

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*Source:*

<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.networking/2005-12/msg00027.html>

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- *From:* "Kurt" <[lorentzenkurt@xxxxxxxxxxxxxxxxxxxxx](mailto:lorentzenkurt@xxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Thu, 1 Dec 2005 20:43:25 -0800
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There are a lot of assumptions there, but generally, I'd say you are right. The switches don't matter one bit. SO if router 2 knows that the network it is looking for is on the interface connected to router 3, and that interface is down, it should return "destination host unreachable".

"Shakey" <[Shakey@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Shakey@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:188610E7-CCA2-4B5E-BBBC-D7EA54679142@xxxxxxxxxxxxxxxxxxxxx](mailto:news:188610E7-CCA2-4B5E-BBBC-D7EA54679142@xxxxxxxxxxxxxxxxxxxxx)

- > Thanks Robert,
- >
- > I shall look at the links you mentioned.
- >
- > What would happen if you have following setup.
- >
- > Workstation (a) --->SW1----->R1 -----> Sw2----->R2----->SW3-----> R3---->
- > SW4-----> Workstation (b). If the link is broken at R2----->SW3. When you
- > ping
- > workstation b from a, what reply message should you get back.
- >
- > I think "Reply from [router interface IP address] – Destination host
- > unreachable". Is this correct?
- >
- > I do not have any routers and they cost too!!!
- >
- > Many thanks for your reply.
- >
- > Regards,
- > Sultan
- >
- > "Robert L [MS-MVP]" wrote:
- >
- >> These links may help
- >>
- >> routing issues on vpn
- >> TTL expired in transit and Destination host unreachable ... From the
- >> server, you
- >> receive "Destination host unreachable" when ping outside IP. ...
- >> [www.chicagotech.net/routingissuesonvpn.htm](http://www.chicagotech.net/routingissuesonvpn.htm)
- >>

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- >> troubleshooting ping issues
- >> Host is unreachable Ping lists a public IP instead of private IP ...
- >> Reply from
- >> 209.165.105.129: Destination net unreachable. ...
- >> [www.chicagotech.net/troubleshootingping.htm](http://www.chicagotech.net/troubleshootingping.htm)
- >>
- >> routing issues on vpn
- >> TTL expired in transit and Destination host unreachable ... You receive
- >> Time out
- >> or "Reply from xxxx: TTL expired in transit" when ping the server from
- >> ....
- >> [www.chicagotech.net/routingissuesonvpn.htm](http://www.chicagotech.net/routingissuesonvpn.htm)
- >>
- >> troubleshooting ping issues
- >> Hardware Error Host is unreachable Ping lists a public IP instead of
- >> private IP
- >> Receiving a reply from a dif