

Re: ipv6 – dest net unreachable

Source:

http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.network_web/2004-12/2050.html

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Date: 12/19/04

Date: Sun, 19 Dec 2004 19:21:39 -0000

"Betsy" <Betsy@discussions.microsoft.com> wrote in message
news:6807D116-E7B4-4B43-A18F-3CA9F8AF4657@microsoft.com...
> *First (and again) let me express my appreciation for you help. I am*
> *anxiously*
> *waiting for the book you recommended to arrive and without your help I*
> *would*
> *not be making any progress at all.*
>
> *I was able to get the server to show the expected results. I enabled*
> *advertising on interface 4; added a route to fec0:0:0:1::/64 on interface*
> *4*
> *and set it to publish; I showed the addresses and a new address was*
> *displayed.*
>
> *I've added a few new machines to my subnet; I went to the original XP*
> *client*
> *and did a show address but no new address was displayed. I went to the*
> *non-server 2003 machine and also no new address was displayed. I might*
> *have*
> *dug myself in deeper but I tried issuing the set advertise=enabled and add*
> *routes on the client machines but it didn't add a fec0 address. I tried*
> *issuing a ping to the new address on the server machine (from client*
> *machines) and get "Invalid source route specified"*

Well, it looks like the server is working properly if it's given
itself an address based on your route.

On the server , just make a few quick checks:

(The screen-dumps here are a little fabricated, because my IPv6
infrastructure
is a little more complex than yours, and I've tried to chop it down to what
you should see.)

Show Route should show a line saying

microsoft.public.windowsxp.network_web: Re: ipv6 – dest net unreachable

Publish Type Met Prefix Idx Gateway/Interface
Name

yes Manual 0 fec0:0:0:1::/64 4 Local Area Connection

Show Address should have a line like this:

Interface 4: Local Area Connection

Addr Type DAD State Valid Life Pref. Life Address

Public Preferred infinite infinite

fec0:0:0:1:202:b3ff:fe2a:70c0

Link Preferred infinite infinite fe80::202:b3ff:fe2a:70c0

Does this look OK?

One thing I didn't have you do was to enable forwarding on the LAN interface of the server. Since we're not actually forwarding anything, I don't think that's necessary, but it's possible the server needs forwarding enabled before it considers itself a router.

At the IPv6 prompt: set interface 4 forw=enabled adv=enabled

I don't know what you've done on the clients.

I'd un-install IPv6 , reboot, and re-install it, to restore the defaults.

Now, on the XP client, it should do a router solicitation and pick up the route.

If not, try disabling then re-enabling the LAN connection in the Network Connections folder. That should force a round of router solicitation / advertising.

Then the client should look a bit like this:

(I've snipped the other interfaces.)

```
netsh interface ipv6>show route
```

```
Querying active state...
```

Publish Type Met Prefix Idx Gateway/Interface
Name

no Autoconf 8 fec0:0:0:1::/64 4 Local Area Connection

```
netsh interface ipv6>show address
```

```
Querying active state...
```

Interface 4: Local Area Connection

Re: ipv6 – dest net unreachable

microsoft.public.windowsxp.network_web: Re: ipv6 – dest net unreachable

Addr Type DAD State Valid Life Pref. Life Address

Public Preferred infinite infinite

fec0:0:0:1:202:b3ff:fe2a:70c0

Link Preferred infinite infinite fe80::202:b3ff:fe2a:70c0

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Best Regards,

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