

## Re: Secondary zone not loading from master

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2006-12/msg00075.html>

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- *From:* "Herb Martin" <[news@xxxxxxxxxxxxxxxx](mailto:news@xxxxxxxxxxxxxxxx)>
  - *Date:* Thu, 30 Nov 2006 11:03:14 -0600
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"Andrew Zirkel" <[andrewzirkel@xxxxxxxx](mailto:andrewzirkel@xxxxxxxx)> wrote in message  
[news:%23K7Ns0JFHHA.3780@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23K7Ns0JFHHA.3780@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

One interesting thing is that I can transfer the reverse lookup zone, but not the forward lookup, even though the settings are the same on the zone transfer tabs on the two masters. I tried removing the dns role and adding it back in.

Are the two zone masters the same machine?

If not that is a big clue (server specific), and if so then it is also a clue (zone specific) even though you believe the two zones are set the same.

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Thanks,  
Andy Zirkel

Andrew Zirkel wrote:

Did you ever get an initial load of the zone?  
If so then do not ignore my recommendation to  
check the SERIAL NUMBER on the SOA records.

no

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Secondary (current) Serial Number must be less than Master (the update) Serial Number so if this is not true then update the Master with a HIGHER number (than Secondary has.)

The file hasn't been created yet so I don't think it has a serial

Did you check for the BUILT-IN firewalls?

no firewalls or filtering in effect.

If none of this works then try NSLookup from the Secondary command line:

```
nslookup
(then specify the Master/primary server):
server IP.of.DNS.Master
(then list the zone -- which is essentially the same
as a download):
ls domain.com
```

If this works/fails you will know more about what is happening.

If it fails, you can also prove that the client (Secondary) can actually REACH the DNS server for even a simple query.

Only problem with such proof is that most queries are using UDP (port 53) and Zone Transfers use TCP (on port 53 also.)

The nslookup query returned the appropriate srv records.

You can also try judicious use of DEBUG logging on a Windows 2003 DNS Server from the MMC server properties -- use both logging on secondary to log from the secondary and the master.

I did turn this on and it really doesn't log that much. I'm looking in the dns log in the system32 directory. I assume that's the correct place. It sure doesn't through events into the event log.

Thanks for your help.

Re: Secondary zone not loading from master

Andy Zirkel.