

# Re: AD/DNS Setup Issues/Questions

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Basic AD DNS is:

AD must have a DNS server for the AD domain

Install DNS on a DC and point that DC to itself for DNS in the properties of TCP/IP. This will allow the DC to register it's SRV records in the DNS zone it houses.

Point all AD clients ONLY to the DNS server set up for the AD domain. This will allow clients to FIND the records the DC has registered in the DNS zone.

For Internet access either set up forwarders on the AD DNS server and list your ISP's DNS server(s) as the forwarders or use root hints.

"An Active Directory domain controller for the domain "" could not be

contacted... DNS name doesn't exist [error code 0x0000232b  
RCODE\_NAME\_ERROR]"

The problem is the server you are trying to add to the domain can't find the SRV records it must find to even "find" the domain. Either you are pointing this server to a DNS server that does not contain the SRV records for your domain (must users make the mistake of pointing it to their ISP) OR you have it pointed to the correct server for DNS but the DC has not registered it's SRV record on that DNS server for some reason.

hth  
DDS

"Robert Lindholm" <[RobertLindholm@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:RobertLindholm@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message <news:07B9BBC9-C6F9-4136-9898-8575701F3770@xxxxxxxxxxxxxxxxxxxx>

Hello:

I'm attempting to setup an Active Directory [AD] test lab using two Windows 2003 servers [Standard Edition], that will become the domain controllers [DC]

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and AD-integrated DNS servers for the domain.

For test purposes, the AD environment is going to be a relatively simple single domain in a new forest with no existing primary DNS server.

I've configured the first server to be a DC and the primary DNS server for the domain, but am running into a problem:

1) When I attempt to promote the second DC and join the domain, it cannot locate the first DC and gives me the following error message:

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"An Active Directory domain controller for the domain "" could not be contacted... DNS name doesn't exist [error code 0x0000232b RCODE_NAME_ERROR]"
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When I look at the help screen for this error, it indicates that two RRs are missing:

- \_ldap.\_tcp.dc.\_msdcs.DNSDomainName
- A record for entry above

These entries are indeed missing in the primary DNS servers DNS records.

While I could simply add these RRs, it appears that there may be other missing RRs, as the only records that are currently in DNS are the following:

- Forward Lookup Zones
- \_msdcs.adtest.seas.rochester.edu
- (same as parent folder) Start of Authority (SOA) [3], alpha.adtest.seas.rochester.edu., hostmaster.adtest.seas.rochester.edu.
- (same as parent folder) Name Server (NS) alpha.adtest.seas.rochester.edu.
- adtest.seas.rochester.edu
- (same as parent folder) Start of Authority (SOA) [2], alpha.adtest.seas.rochester.edu., hostmaster.adtest.seas.rochester.edu.
- (same as parent folder) Name Server (NS) alpha.adtest.seas.rochester.edu.
- alpha Host (A) 192.168.1.100
- Reverse Lookup Zones
- No reverse lookup zones

This is my first attempt at AD, so I'm exactly not sure what to expect, but unless I installed the DC/DNS incorrectly, I would have thought that DNS would be populated with the necessary RRs to run AD.

I took a look in netlogon.dns and there are a variety of RRs there, including the ones outlined in the error message above, that I would have expected to be in DNS.

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If populating DNS is a manual process based on the requirements of each AD environment, I can certainly follow the standard process for populating DNS,

but I would like to proceed with an intelligent understanding of what needs

to be present to run AD and how to achieve that end result in an efficient manner rather than adding RRs adhoc.

Essentially, I'm looking to verify that what I currently have in DNS should

be in DNS, determine what still needs to be added to DNS for it to work and

what is the best way to make that happen.

I have been looking at several DNS tools [e.g. NSLookup, DNSLint, DCDIAG /DNS], as well as a voluminous amount of Windows DNS reference material to try and figure this out on my own, but based on my unfamiliarity with this subject would appreciate any recommendations on where to start and how to

go about resolving this situation.

Thanks,

Bob

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