

Re: Unix Bind and Windows DNS coexist problem with forwarder ON

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2005-04/msg00523.html>

- *From:* "Mugen" <Mugen@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 14 Apr 2005 13:28:56 -0700
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> You can do this by just delegating the _subdomains, but you have to create
> the LDAP IP address record for the domain name that must resolve to the IP
> address of the domain controller so client can access the DFS share at
> \\abc.com\SYSVOL you will also need to create an A record for the Domain
> controller's name.

If that's the case, can you tell me where/how to create the LDAP IP address record for the domain name? In Windows or DNS ?

>Just to add, abc.com MUST resolve to the IP address of
> the domain controller only, not a web server. If the record points to a web
> server your domain members will be looking to the web server for their Group
> Policy Objects.

I created an A record in UNIX Bind to point to Domain server. Here is what i have created in Unix bind server.

```
_TCP IN NS hostname.domain.com
_UDP IN NS hostname.domain.com
_MSDCS IN NS hostname.domain.com
_SITES IN NS hostname.domain.com
ForestDNSZones IN NS hostname.domain.com
DomainDNSZones IN NS hostname.domain.com
```

```
192.168.1.1 IN A hostname.domain.com # Windows 2K3 Domain
Controller
```

Here is the MS KB link of how i setup in Microsoft DNS server. I am doing option 4.

<http://support.microsoft.com/kb/q255913/>

Thanks.
Mugen

Re: Unix Bind and Windows DNS coexist problem with forwarder ON

"Kevin D. Goodknecht Sr. [MVP]" wrote:

> Mugen wrote:

>>> Therefore, I setup delegation in UNIX BIND server to Windows 2003
>>> DNS. UNIX BIND setup remains the authoritative name server and
>>> Windows 2003 DNS just for SRV records and all Windows clients are
>>> still pointing to UNIX BIND server.

>>

>>> The above does not describe delegation.

>>

>>> Were you to delegate then you would be delegating
>>> an entire zone.

>>

>>> Even if you tried to delegate just the _underscore zones
>>> you would still need to deal with the domain-zone itself
>>> needing to be dynamic.

>>

>> I just delegate _underscore zones in UNIX BIND and Windows DNS (like
>> the attached URL from my previous email). The dynamic is not working
>> in the way we setup but we don't really need it. Is it necessary to
>> deal with dynamic update? How to do it?

>>

>>> Here is the problem, If I turn OFF forwarder in UNIX BIND server,
>>> Windows clients are able to join the new Windows 2k3 AD (by entering
>>> DNS FQDN) without any problem.

>>

>>> Then the delegation is likely incorrect.

>>

>>> Is the Windows domain using a child (DNS) zone
>>> of the UNIX? If not, what is the relationship.

>>

>> Not using child domain. Just _underscore zones.

>>

>>

>>> But if I turn ON the forwarder in UNIX BIND server, none
>>> of the Windows clients are able to join the new W2K3 AD (it said
>>> cannot find the SRV records etc). It looks like UNIX BIND server
>>> treat the windows client request as out of zone request and forward
>>> to the external DNS servers. Anyone seem that before?

>>

>>> If the forwarding and the delegation are done incorrectly.

>>

>>> For instance (but this may not be your problem precisely):
>>> A DNS server cannot (easily) check two full namespaces
>>> (from the root down) — if it forwards it cannot check its
>>> own root, and vice versa reliably.

>>

>>> If you simplify:

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>>> Unix fully delegated to the child DNS zone for the AD domain,
>>> or holding a Secondary (or stub or some other way to find it) for
>>> the AD domain-Zone.
>>
>>
>> If setup incorrectly. How come when i turn OFF forwarder would work
>> (This is what i need but we need to have Forwarder turn ON)
>> This must be DNS BIND just forward the SRV record request to external
>> server.
>>
>> The UNIX BIND server is like "abc.com"
>> Windows 2003 Server is also same "abc.com"
>>
>> When i setup a test Windows XP client to try to join the new AD. I put
>> "abc.com" and it failed when forwarder ON.
>
>
> You can do this by just delegating the _subdomains, but you have to create
> the LDAP IP address record for the domain name that must resolve to the IP
> address of the domain controller so client can access the DFS share at
> \\abc.com\SYSVOL you will also need to create an A record for the Domain
> controller's name. Just to add, abc.com MUST resolve to the IP address of
> the domain controller only, not a web server. If the record points to a web
> server your domain members will be looking to the web server for their Group
> Policy Objects.
> This would have been much simpler to set up had you named the AD domain a
> sub domain name of abc.com such as ad.abc.com. Then you would only had to
> create one delegation for ad and not "A" records and abc.com could resolve
> to your website.
>
>
> ---
> Best regards,
> Kevin D4 Dad Goodknecht Sr. [MVP]
> Hope This Helps
> =====
> When responding to posts, please "Reply to Group"
> via your newsreader so that others may learn and
> benefit from your issue, to respond directly to
> me remove the nospam. from my email address.
> =====
> <http://www.lonestaramerica.com/>
> =====
> Use Outlook Express?... Get OE_Quotefix:
> It will strip signature out and more
> <http://home.in.tum.de/~jain/software/oe-quotefix/>
> =====
> Keep a back up of your OE settings and folders
> with OEBackup:
> <http://www.oehelp.com/OEBackup/Default.aspx>
> =====

>
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>
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• **References:**

- ◆ **[Unix Bind and Windows DNS coexist problem with forwarder ON](#)**
 - ◇ *From:* Mugen
 - ◆ **[Re: Unix Bind and Windows DNS coexist problem with forwarder ON](#)**
 - ◇ *From:* Herb Martin
 - ◆ **[Re: Unix Bind and Windows DNS coexist problem with forwarder ON](#)**
 - ◇ *From:* Mugen
 - ◆ **[Re: Unix Bind and Windows DNS coexist problem with forwarder ON](#)**
 - ◇ *From:* Kevin D. Goodknecht Sr. [MVP]
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