

Re: DNS Redesign Issue

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.dns/2006-08/msg00590.html>

- *From:* "Jorge Silva" <jorgesilva_pt@xxxxxxxxxxxx>
 - *Date:* Fri, 18 Aug 2006 18:49:42 +0100
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As I already told you there are many possible configurations, for this to work, the most common is to delegate the child zones on tld to each child domain.

In each child domain you can choose by different type of possible configurations:

–If you configure Forwarding ("All other Domains" option – pointing to tld) all queries will go to tld DNS server (including Internet resolution queries), if the link with tld is down then queries will fail for domains but the DNS server will attempt to use its root hints to resolve the queries (unless you select the option don't use recursion for this domain).

–If you configure Conditional Forwarding, you can have better control where queries will go, and if the link is down for any particular domain, that doesn't mean that other queries will fail as long as you have a link up with these domains.

–For secondary and stub zones: the big advantage of stub zones is that they'll refresh automatically the NS records for that domain, and you don't need to allow zone transfer for stub zones to work, but all queries will be sent to NS for these domains. As for Secondary Zones all queries can be resolved locally, but you need to allow zone transfer on each zone.

–For Active Directory Integrated Zones (require that the DNS is also a DC), you can always choose by replicate them across the domain or forest. This can have a significant impact on your replication traffic.

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I hope that the information above helps you

Good Luck
Jorge Silva
MCSA
Systems Administrator

"Jason McKee" <Jason.McKee@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message <news:5E05FC44-4C9E-4801-B5E9-7FB6F58E18DC@xxxxxxxxxxxxxxxxxxxx>

Re: DNS Redesign Issue

The stub zone idea would work but it is not ideal for my situation. If I create stub zones for each domain then I have no fault tolerance in the case that a link between the sites goes down.

Your other idea wasn't clear but I think you are suggesting that I integrate company.com in to the AD and replicate it across the forest. I have thought of this as well and plan to use it as a worst case scenario. Ideally what I want to do though is extract the DNS information for city.company.com from the company.com zone and import it in to a new city.company.com zone.

This is a tough problem and I appreciate all the help!

Thank you,

Jason

"Jorge Silva" wrote:

the dallas.company.com is a child domain right?
you can in newly created ad integrated zone pointing to the tld or
create a
stubzone on the domain and replicate it across that new domain.

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I hope that the information above helps you

Good Luck
Jorge Silva
MCSA
Systems Administrator

"Jason1320" <Jason1320@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in
message
news:53042AA6-8A57-41CC-BAA6-FDE8E5C184F1@xxxxxxxxxxxxxxxxxxxx

I plan to use stub zones in the top level domains. The issue I
am
having
is
getting the dns data from dallas.company.com in the tld
domain to the
newly
created ad integrated zone. I would like to do this without
manually
recreating each record.

Thanks,

Jason

Re: DNS Redesign Issue

"Jorge Silva" wrote:

Hi

Currently we have one root domain in a single AD forest. Under that root we have 9 child domains, all one layer below the root. All DC's are 2003.

Hoooo my GOD so many domains, did you had any especial reason to make 10 domains?

What I would like to do is create AD integrated zones for each domain and delegate authority from the primary zone, company.com. The problem that I am running in to is how to get the data from the subdomains out of the primary zone, company.com, and in to the newly created AD intergrated zone. I only want the information that is critical to each domain. (i.e. for dallas.company.com I only want the information below the dallas folder

Re: DNS Redesign Issue

in
company.com.)

Basically you need to create a tld DNS domain make it AD Integrated, and delegate the child zone to the other DCs in sub domains, by delegating the zones the tld domain knows where to find the NS for these domains, the problem should come how the child domains resolve the tld domain, and there several methods for this, but you're replicating the tld to the child domains so you need not to worried about that.

Check:

Best practices for DNS client settings in Windows 2000 Server and in Windows Server 2003

<http://support.microsoft.com/default.aspx?scid=kb:en-us:825036&sd=RMVP>

HOW TO Create a Child Domain in Active Directory and Delegate the DNS Namespace to the Child Domain

<http://support.microsoft.com/default.aspx?scid=kb:en-us:255248&sd=RMVP>

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I hope that the information above helps you

Good Luck
Jorge Silva
MCSA
Systems Administrator

"Jason1320"

<Jason1320@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

<news:1697112D-E13F-4066-9500-0DCAC8F2A028@xxxxxxxxxxxxxxxxxxxx>

I am trying to redesign DNS for a company I just joinedbut I have come across an issue that I'm not sure

Re: DNS Redesign Issue

how to get around.

Currently we have one root domain in a single AD forest. Under that root we have 9 child domains, all one layer below the root. All DC's are 2003.

DNS is setup as follows. The root domain contains one DNS server with a single primary zone of company.com. Each child domain has a secondary "copy" of this zone on at least one server in the domain. Within the primary zone there are folders for each domains subdomain. (Example: dallas.company.com) Each domain controller is configured to write back to the primary zone to make updates.

What I would like to do is create AD intergrated zones for each domain and deligate athority from the primary zone, company.com. The problem that I am running in to is how to get the data from the

Re: DNS Redesign Issue

subdomains out of the primary zone, company.com, and in to the newly created AD intergrated zone.

I only want the information that is critical to each domain. (i.e. for dallas.company.com I only want the information below the dallas folder in company.com.)

Any suggestions?

Thank you,

Jason