

Re: sys vol check

Source:

http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2006-08/msg03069

- *From:* "Jorge Silva" <jorgesilva_pt@xxxxxxxxxxxx>
 - *Date:* Tue, 29 Aug 2006 17:36:14 +0100
-

how?

The DNS server should point to itself in NIC Preferred DNSserver.
The clients should use only their local DNSserver in ther NIC Preferred DNSserver.

How clients and servers are configured now?

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I hope that the information above helps you

Good Luck
Jorge Silva
MCSA
Systems Administrator

"Scott Sendelbach" <ScottSendelbach@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message <news:2016BC8A-6A8F-4113-9D34-C07E3DD73A3B@xxxxxxxxxxxxxxxxxxxx>

I have done as you instructed and it crashed our network. No one is able to log on this morning and see any local resources.

"Jorge Silva" wrote:

Inline

1. How do I know when it will be safe to remove them from the DHCP device that is handing out licenses?

- Remove what?
- If you're referring to network clients, make sure that each client only uses their local DNS server, DON'T Place ISP DNS server on clients NIC Preferred DNS or secondary.

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2. Why don't I want the ISP DNS servers listed? We have a hard time accessing the internet without them there.

Only local DNS servers should handle Internet name resolution, trust me, you don't want your clients and member servers trying to register on external DNS servers, or trying to resolve public address in public domain, remember, the AD is DNS dependent and all clients need DNS resolution to reach AD Servers, etc... That's why they must use only internal DNS servers, and, if the clients need Public resolution then internal DNS servers should handle that. You may think of internal DNS like something of this way... Internal DNS servers are maestros of Internal and External resolution... If the clients need to access AD servers the Internal DNS provide the correct address, if the clients need to access to public domain, the internal DNS should also provide them the correct address. What would happen if you configured ISP DNS servers on clients??? Well, First the ISP DNS Servers don't allow your clients to register on their DNS servers, Second, the ISP DNS Servers don't know where your internal DCs are, Third, if your clients go outside trying to resolve DNS queries they're exposing to public network which represents security issues.

3. All three offices are serviced by COX, but each office has their own ISP DNS server addresses because of their geographic location. Will doing this step ruin the connection to the internet?

Why? If you have Internal DNS in each location (site), configure Forwarding in each DNS server to point to the correct ISP/DNS Server, you can even increase security by point the Forwarding to router IPAddress.

—
I hope that the information above helps you

Good Luck
Jorge Silva
MCSA

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Systems Administrator

"Scott Sendelbach" <ScottSendelbach@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in
message

news:27A46733-6D06-4514-BAAC-2A15085686AA@xxxxxxxxxxxxxxxxxxxx

We have three different DNS servers, 1 in each office. I have modified

the

DNS FORWARDERS per your suggestion. I have several questions about

that.

1. How do I know when it will be safe to remove them from the DHCP

device

that is handing out licenses?

2. Why don't I want the ISP DNS servers listed? We have a hard time

accessing the internet without them there.

3. All three offices are serviced by COX, but each office has their own

ISP

DNS server addresses because of their geographic location.

Will doing

this

step ruin the connection to the internet?

"Jorge Silva" wrote:

Hi

First remove the ISP DNS servers from your NIC configuration.

(68.2.16.30;68.1.208.30)

To resolve internet names configure

Forwarding

<http://support.microsoft.com/kb/323380/>

Second sounds like your server isn't resolving the parent domain, to

solve

that make sure that your server can resolve

the FQDN of the DCs at

Root

domain. You can configure Conditional

forwarding, Secondary zones or

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you
can
replicate the root DNS Zone at forest level.
Attention the
_msdcs.domain.tld
contain information about Global catalog
and other domain/forest
important
records and they only exist in parent (root)
DNS server (this zone
contains
information that IS ONLY AVAILABLE IN
THE ROOT), so is always a good
practice to replicate the root
_msdcs.domain.tld across the forest.
How to Create a Child Domain in Active
Directory and Delegate the DNS
Namespace to the Child Domain
<http://support.microsoft.com/kb/255248/>

Conditional Forwarding in Windows Server
2003

<http://support.microsoft.com/default.aspx?scid=kb:en-us:304491>

How to Delegate All Internet Top-Level
Domains on an Internal Root DNS
Server

<http://support.microsoft.com/default.aspx?scid=kb:en-us:294906&sd=RMVP>

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I hope that the information above helps you

Good Luck
Jorge Silva
MCSA
Systems Administrator

"Scott Sendelbach"
<ScottSendelbach@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote
in
message
<news:94A1B9A9-6943-4A47-8CF3-ACA26F85AD86@xxxxxxxxxxxxxxxxxxxx>

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Here is the DCDIAG Test results. Yes this DC is a DNS server.

Doing initial required tests

Testing server:
PHOENIX\ADMINSERVER

Starting test: Connectivity

* Active Directory LDAP

Services Check

The host

1ea9b77e-235f-470b-9dff-390786e1077d._msdcs.CORP.DLECINC.com

could not be resolved to an IP address. Check the DNS server, DHCP, server name, etc

.....
ADMINSERVER failed test
Connectivity

Testing server:

PHOENIX\SERVER

Starting test: Connectivity

* Active Directory LDAP

Services Check

The host

857bd24b-6e5b-416f-9c15-912bd3767259._msdcs.CORP.DLECINC.com

could not be resolved to an IP address. Check the DNS server, DHCP, server name, etc

Although the Guid DNS name

(857bd24b-6e5b-416f-9c15-912bd3767259._msdcs.CORP.DLECINC.com)

couldn't be resolved, the server name

(server.CORP.DLECINC.COM)

resolved to the IP address

(192.168.168.5) and was

pingable.

Check

that the IP address is registered correctly with the

DNS

server.

..... SERVER
failed test Connectivity

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Testing server:
LASVEGAS\HENDERSON
Starting test: Connectivity
* Active Directory LDAP
Services Check
The host
480ce73a-6788-4c5b-9bd3-23978bf8245f._msdcs.CORP.DLECINC.com
c
ould not be resolved to an
IP address. Check the DNS
server, DHCP, server name,
etc
.....
HENDERSON failed test
Connectivity

Testing server:
IRVINE\IRVINE
Starting test: Connectivity
* Active Directory LDAP
Services Check
The host
18633bd7-ee97-4eeb-a17b-a53a207df394._msdcs.CORP.DLECINC.com
c
ould not be resolved to an
IP address. Check the DNS
server, DHCP, server name,
etc
..... IRVINE
failed test Connectivity

Testing server:
PHOENIX\MESA
Starting test: Connectivity
* Active Directory LDAP
Services Check
The host
a0814bcc-59c0-4c09-9cc8-65b920bb9cad._msdcs.CORP.DLECINC.com
c
ould not be resolved to an
IP address. Check the DNS
server, DHCP, server name,
etc
Although the Guid DNS
name

(a0814bcc-59c0-4c09-9cc8-65b920bb9cad._msdcs.CORP.DLECINC.com)
couldn't be resolved, the
server name
(mesa.CORP.DLECINC.COM)

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resolved
to the IP address
(192.168.168.3) and was
pingable. Check
that
the
IP
address is registered
correctly with the DNS
server.

..... MESA
failed test Connectivity

Doing primary tests

Testing server:
PHOENIX\ADMINSERVER
Skipping all tests, because
server ADMINSERVER is
not responding to directory
service requests

Testing server:
PHOENIX\SERVER
Skipping all tests, because
server SERVER is
not responding to directory
service requests

Testing server:
LASVEGAS\HENDERSON
Skipping all tests, because
server HENDERSON is
not responding to directory
service requests

Testing server:
IRVINE\IRVINE
Skipping all tests, because
server IRVINE is
not responding to directory
service requests

Testing server:
PHOENIX\MESA
Skipping all tests, because
server MESA is
not responding to directory
service requests

DNS Tests are running and

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not hung. Please wait a few minutes...

Running partition tests on :

Schema

Starting test:

CrossRefValidation

For the partition

(CN=Schema,CN=Configuration,DC=CORP,DC=DLECINC,DC=com)

we

encountered the following

error retrieving the

cross-ref's

(CN=Enterprise

Schema,CN=Partitions,CN=Configuration,DC=CORP,DC=DLEC

INC,DC=com)

information:

LDAP Error 0x3a (58).

..... Schema

failed test

CrossRefValidation

Starting test:

CheckSDRefDom

..... Schema

passed test

CheckSDRefDom

Running partition tests on :

Configuration

Starting test:

CrossRefValidation

For the partition

(CN=Configuration,DC=CORP,DC=DLECINC,DC=com)

we

encountered the following

error retrieving the

cross-ref's

(CN=Enterprise

Configuration,CN=Partitions,CN=Configuration,DC=CORP,

DC=DLECINC,DC=com)

information:

LDAP Error 0x3a (58).

.....

Configuration failed test

CrossRefValidation

Starting test:

CheckSDRefDom

.....

Configuration passed test

CheckSDRefDom

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Running partition tests on :

CORP

Starting test:

CrossRefValidation

For the partition

(DC=CORP,DC=DLECINC,DC=com)

we

encountered

the

following error retrieving

the cross-ref's

(CN=CORP,CN=Partitions,CN=Configuration,DC=CORP,DC=DLECINC,DC=com)

information:

LDAP Error 0x3a (58).

..... CORP

failed test

CrossRefValidation

Starting test:

CheckSDRefDom

..... CORP

passed test

CheckSDRefDom

Running enterprise tests on :

CORP.DLECINC.com

Starting test: Intersite

Doing intersite inbound

replication test on site

PHOENIX:

Locating & Contacting

Intersite Topology

Generator (ISTG)

...

The ISTG for site

PHOENIX is: MESA.

Checking for down

bridgeheads ...

Bridghead

LASVEGAS\HENDERSON

is up and replicating

fine.

Remote bridgehead

LASVEGAS\HENDERSON

also couldn't be

contacted

by dcdiag. Check this

server.

Bridghead

PHOENIX\ADMINSERVER

is up and replicating

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fine.
Remote bridgehead
PHOENIX\ADMINSERVER
also couldn't be
contacted
by dcdiag. Check this
server.
Bridgehead IRVINE\IRVINE
is up and replicating fine.
Remote bridgehead
IRVINE\IRVINE also
couldn't be
contacted
by
dcdiag. Check this server.
Doing in depth site analysis
...
Remote site LASVEGAS is
replicating to the local site
PHOENIX
the writeable NC Schema
correctly.
Remote site LASVEGAS is
replicating to the local site
PHOENIX
the writeable NC
Configuration correctly.
Remote site LASVEGAS is
replicating to the local site
PHOENIX
the writeable NC CORP
correctly.
Remote site IRVINE is
replicating to the local site
PHOENIX
the
writeable NC Schema
correctly.
Remote site IRVINE is
replicating to the local site
PHOENIX
the
writeable NC Configuration
correctly.
Remote site IRVINE is
replicating to the local site
PHOENIX
the
writeable NC CORP
correctly.
Doing intersite inbound

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replication test on site

LASVEGAS:

Locating & Contacting

Intersite Topology

Generator (ISTG)

...

[HENDERSON] LDAP

search failed with error 58,

The specified server cannot

perform the requested

operation..

[HENDERSON]

DsBindWithSpnEx() failed

with error 1722,

The RPC server is

unavailable..

Printing RPC Extended

Error Info:

Error Record 1, ProcessID is

824 (DcDiag)

System Time is: 8/25/2006

14:58:7:314

Generating component is 8

(winsock)

Status is 1722: The RPC

server is unavailable.

Detection location is 322

Error Record 2, ProcessID is

824 (DcDiag)