

RE: Need Advice (Repost)

Source:

http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.active_directory/2006-08/msg01998

- *From:* SEgerton <SEgerton@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 15 Aug 2006 09:15:02 -0700
-

Brian,

Thanks again!!!

Just one more thing. Sorry if im reading too much into what you wrote; but I just want to make sure i have things right. When you wrote "In your current configuration there is no preference to the prod DCs over the DR DCs" Is there a way to setup preference to the prod DCs over the DR DCs, and if there is, how can i check; just to make sure that in my configuration there is no preference to the prod DCs over the DR DCs.

Shannon

"Brian Delaney [MSFT]" wrote:

Hi Shannon,

It is fine if the DR DNS servers are after the secondary DNS, as long as the clients do have them configured.

Yes, if the DR servers are in a different AD site the users will be able to connect to them if all the production servers are down. The difference is that all the DCs in the production site will be tried first before trying a DC in the DR site. In your current configuration there is no preference to the prod DCs over the DR DCs

Hope this helps,

Brian Delaney
Microsoft Canada

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Thread-Topic: Need Advice (Repost)
thread-index: AcbAaMQN18+S5k1tQICV0nhrLvtO5Q==
X-WBNR-Posting-Host: 216.223.52.99

RE: Need Advice (Repost)

From: =?Utf-8?B?U0VnZXJ0b24=?=

<SEgerton@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

References:

<00F481E0-09F7-4D56-AFEC-C1F003461B1E@xxxxxxxxxxxx>

<io02D6BwGHA.2004@xxxxxxxxxxxxxxxxxxxx>

Subject: RE: Need Advice (Repost)

Date: Tue, 15 Aug 2006 05:46:02 -0700

Hey Brian,

Thanks for the reply! It was very helpful.

The clients machines have been configured with the DNS Servers ip addresses

from the Disaster Recovery site, but these addresses have been placed after

the secondary DNS Server. Currently their secondary DNS Server is the Second

DNS Server in the production site. Should I move a DNS Servers IP Address from the Disaster Recovery site into the Secondary DNS Server spot on the clients machines?

I have an additional question. If I configure Active Directory Sites, and the Production Site goes down and users can't connected to the Production Site, will the the users from the Production Site be able to connect to the

Disaster Recovery site that would then be in another site?

Thanks again,
Shannon

"Brian Delaney [MSFT]" wrote:

Hi Shannon,

I will try to address as many of your concerns as I can. If i miss any points or you need further clarification please reply with the details

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you

need.

Active Directory Sites should be configured in this scenario.
You

should

have a site for your production servers with the associated
subnets and

a

site for your DR site with the associated subnets. This will
ensure

that

during normal production the users are authenticated by the
correct

domain

controllers and will not need to go across the WAN
connection as some of
them are likely doing right now.

Regarding your failover test when you shutdown your
production servers.
Have your client machines been configured with a secondary
DNS server

which

is located in the DR site? If the clients are only pointed at
local DNS
servers and you have shut them down then logons will
become slow. These
machines will need to point to a DNS server in the DR site as
well as

the

production site. Regarding your logon scripts, did you try to
run these

at

the desktop to see if any errors were generated by the scripts?
If so

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what

were the errors? Ensure that any references to the netlogon share in

your

logon scripts are \\domain\netlogon instead of \\dc\netlogon

In regards to "My manager would like to use our Disaster Recovery site

as

our only source of redundancy": I would hope and recommend that regular backups are also part of your DR plan. Although your DR site will help you if your local DCs go down, it will not help you in the case of an accidental deletion of user/computer accounts or data. In this case a restore from backup may be required. Also, please note that rolling

back

the hard disks is not supported by Microsoft on Domain Controllers.

This

feature is known as Undo Disks in Virtual Server but I believe has a different name in VMWare. Rolling back disks on a DC will cause a USN rollback (<http://support.microsoft.com/kb/885875/en-us>).

As for the userenv 1030 and 1058 errors on your domain controllers. If these are occurring every 5 minutes on DCs then there is a legitimate problem but if they have only occurred once then it was probably just a temporary condition. These errors are fairly generic and can mean different things. If you are experiencing them regularly please copy

and

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paste the entire event description so I can see the actual error code.

Hope this helps,

Brian Delaney
Microsoft Canada

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Thread-Topic: Need Advice (Repost)
thread-index:
Aca/vjGT6tG6WyQ6Qpa++JIP7JZ5Cw==
X-WBNR-Posting-Host: 216.223.52.99
From: =?Utf-8?B?U0VnZXJ0b24=?=
<SEgerton@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
Subject: Need Advice (Repost)
Date: Mon, 14 Aug 2006 09:25:02 -0700

Im relatively new to Active Directory. I've been posting questions in

here

for the last couple months and things are coming along slowly. Things

are

working out well, you guys have been of great help. But before i go too

far;

I just want to make sure im running things correctly.

I need advice about my configuration of my Active Directory domain and

its

structure. All my Servers are Windows 2003 Server. What im in the

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process

of

doing is, converting our Novell Network
(that is used only for File and

Print

share) to Active Directory. Im not concerned
at the moment about the
conversion; I've already done test runs on
this and know how to do

this.

At

the same time that im building this new
Active Directory domain, im

also

setting up a Disaster Recovery Site for this
domain. We have purchased

all

our equipment and are using VMware ESX
software to build our servers.

Our

Production site and our Disaster Recovery
site are in different states

and

are connected by way of a T1. Both
networks are also in different

Subnets.

We

have also purchase NSI Double Take
software to replicated our file

server.

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This is what i've done so far. I've built two Active Directory Domain Controllers in our Production site and a File Server that is a Member

Server

of the domain. Both Active Directory Domain Controllers are also Active Directory Intergrated DNS Servers.

Then I built two additional Active Directory Domain Controllers in our Disaster Recovery site. I just added them to the same domain. These additional Active Directory Domain Controller are also Active Directory Intergrated DNS Severs. Then I also built an additional File Server

that

is a

member server of the same domain.

All Active Directory Domain Controllers in both my Production site and

my

Disaster Recovery site are Global Catalog Servers. I have the NSI

Double

Take

software installed my both my File Servers for replication. I've also

tested

this software and it is working out well.

No roles have been moved from any servers. Therefore, my understanding

is

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that my first Active Directory Domain
Controller is holding all the

roles.

I set up the network this way, so in the event
of a disaster; my

network

will be replicated in my Disaster Recovery
site. I've done some test

runs

and things worked, but not 100%. After I
shutdown my Production Site,

the

Double Take software notice the network
went down and took over. That

part

worked great. But for the Active Directory
Domain, logins took longer;

logon

scripts seem to take a long time to map and
they didn't seem to work
correctly. I used IFMember commands in
my scripts and it didn't

recognize

this

command when the Production site went
down, but it did see all the Net

Use

commands and Mapped all drives for all
groups for one user. Even

mapping

for

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groups the user isn't in.(At the moment everyone has rights to all

files

on

the File Server. I will change this later). But when the Production

site

is

up, the IFMember command works and they only get their assigned

mappings.

When

i placed the IFMember command in the Netlogon folder on the first DC, I

did

notice it replicate to the other servers. So way wouldn't this work?

Today i notice that i was getting errors in my event logs of my first

domain

controller. These error were posted at times when both sites were up

and

everything seemed to be working well. The error ID's were

Type: Error

User: NT Authority\System

Computers: MY First Domain Controller

Source: Userenv

Category: None

Event ID: 1030

Type: Error

User: NT Authority\System

Computer: My First Domain Controller

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Source: Userenv
Category: None
Event ID: 1058

Then on a final note. My manager would like to use our Disaster

Recovery

site as our only source of redundancy for our VMWare Server. I didn't

mention

this before, but All three servers in our Production Site Reside on a

Storage

Array connected to only one server running VMWare. So if this server

should

fail, then all three servers will go down, and he would like our users

in

our

production site to connect over the T1 to the remaining two Active

Directory

servers and the File server in our Disaster Recovery Site. Another

scenario I

can think of would be if only the File Server in the production site

went

down, then users would connect to the File Server in our Disaster

Recovery

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site.

After having all these issues and thoughts; I got to thinking, about

Sites;

but im not familiar with them. All my server are in the same domain and

the

same site. Should i have created two different sites within the same

domain.

This is what got me thinking to open this post.

From all my reading about Active Directory, i believe i setup the

domain

correctly; but im unsure whether or not i should have created two

different

sites under the one domain. I am unfamiliar with this.

Any comments on my configuration of my Active Directory Domain and its structure will be appreciated.

At first our DR site was only in place if a major disaster happened

(Users

couldn't work from the Production Site for whatever reason). Now my

manager

wants to use it any time there is a disruption at our Production Site.

So,

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should the VMWare server go down, then all of our Production Servers

would

go

down and he would like users to connect from the production site to the

DR

site. Remember, All the production servers are on one Storage Array

connected

to the one VMWare Server. This is the same setup in the DR site. The DR

site

only hosts the two Active Directory Servers and One File Server. There

are

about 15 workstations sitting there in the event of a major disaster

and

users have to work from there. Otherwise, no users should connect to

these

server unless one of these situations happen. The file server in the DR

site

is only replicating the file server in our Production site using NSI