

## Re: Connection to a SAMBA Active Directory

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*Source:*

<http://www.tech-archive.net/Archive/Exchange/microsoft.public.exchange.connectivity/2006-06/msg00163.html>

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- *From:* "Paul Goldman" <[paulgoldman1948@xxxxxxxxxxx](mailto:paulgoldman1948@xxxxxxxxxxx)>
  - *Date:* Fri, 23 Jun 2006 00:17:00 GMT
- 

We are really stuck on the 2-way trust from the SAMBA side. Does anyone know how to get the trust working?

If I can't get the trust to work, I don't think having the users in one domain and the Exchange server in another domain will work. I can manually build the Exchange accounts (there are only about 80 users), and give the each a password, but I don't know if there's any way for the users to change their Exchange password, since the don't ever logon to the new AD domain. Am I missing something??

Also, if I can't get the trust to work, I don't think myh "Al Mulnick" <[amulnick\\_No\\_SPAM@xxxxxxxxxxx](mailto:amulnick_No_SPAM@xxxxxxxxxxx)> wrote in message [news:%23IZU9mOkGHA.1324@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23IZU9mOkGHA.1324@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Hmm...

Name resolution and time sync are going to be big things you need to deal with. For starters, why are you creating single records? Consider using stub zones or using a secondary server and replicating the zone to the other environment – both ways. No need for A RR's etc.

Once that's done, keep in mind that shortname is likely something you'll need. You may need to create a shortname record for BANDMERCH in his zone. Setup your suffix search to include ca.xxx.net. Why? Not because you have to, (DNS resolution should be enough for a realm trust and is even preferred) but because you should be able to resolve all of both domains with shortname style. Best to get it out of the way.

Time sync. I can't stress enough how important it is that both are using the same time source.

Let me know where you end up after that. Pretty much, you want to treat the samba domain as if it's a NT4 domain. First things first however.

Al

"Paul Goldman" <[paulgoldman1948@xxxxxxxxxxx](mailto:paulgoldman1948@xxxxxxxxxxx)> wrote in message [news:b4kkg.1758\\$MF6.1451@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:b4kkg.1758$MF6.1451@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

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Here's how I've decided to proceed. Please let me know your thoughts:

1. I built a new Windows 2003 Server in a brand new domain (bm.local).
2. I installed Exchange 2003 SP2 on the new server.
3. I have added a new zone to the Windows DNS pointing to the old dns domain ca.xxx.net and added an A record pointing to the domain controller "linus"
4. I am able to define a 2 way Realm trust using the Active Directory Domains and Trusts tool.
5. The linux guy is having a problem with the trust on the other side. Since I don't know how to do DNS stuff on the Linux side, I can't help him. He put an A record in his DNS pointing to exchange.bm.local, and he can ping, but he can't create a trust since the domain bm.local is not defined. What type of record corresponds to the "new zone" concept in the Windows world? Is there such a thing?
6. There is a bit of confusing on the SAMBA side. The DNS domain is ca.xxx.net, but the Windows domain name (NT domain name) is bandmerch. Since there is no .com or .local qualified, I cannot set up a trust with BANDMERCH, but rather need to use the domain name ca.xxx.net.

I am able to manually create users in the new bm.local domain, and then connect the Outlook clients to it (by manually entering the bm\userid/password combo).

Has anyone been able to make the necessary modifications to the linux dns and created a trust so that I can proceed??

"Al Mulnick" <amulnick\_No\_SPAM@xxxxxxxxxxxx> wrote in message [news:%23qG%23BjojGHA.1552@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23qG%23BjojGHA.1552@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

That's likely true, although SAMBA will make it look it's just another Winnt4 domain controller machine and does have some interactions with Active Directory and has some LDAP (which in theory can hold whatever schema it wants to); can be pretty slick actually. Newer versions of Samba look even more like AD. Good enough to let some deployments have mixed mode multi-functional etc domains/forests, etc, that include some Active Directory components but not enough to deploy Exchange. Exchange requires (requires; as in it is not an option whether or not to include Active Directory) Active Directory. It's recommended that it be native mode/DFL 2003, whatever the latest marketing message is able to handle universal groups.

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If you were to have a deployment that had an Active Directory DC that held all the roles etc, and off that a sub-domain or child domain of that parent that was SAMBA, I'm not sure anybody would care. Sure it's not supported, but... But if you tried to have AD be in the SAMBA domain, I'm thinking you'll run into the issues as John points out and won't be able to deploy and maintain SAMBA in that domain. SAMBA's a hack designed to let you run NT 4 style domains. It was updated, but....

I don't think you're a moron (original poster) for what it's worth. It's very confusing what will integrate and how. There's a ton of documentation about all of this, but it's not typically very clear especially coming from the direction and background you're coming from. I suspect years from now somebody from Microsoft will come out with a great set of bluebooks and say something along the lines of, "Yeah, the documentation around this was horrible in the past. That's all fixed in this 1.0 release of ...." Or something similar.

Here's an example of the confusion that gets caused, "A more scalable domain control authentication backend option might use Microsoft Active Directory or an LDAP-based backend. Samba-3 provides for both options as a domain member server. As a PDC, Samba-3 is not able to provide an exact alternative to the functionality that is available with Active Directory. Samba-3 can provide a scalable LDAP-based PDC/BDC solution. " Clear right? I got that from

<http://us5.samba.org/samba/docs/man/Samba-HOWTO-Collection/FastStart.html#id2524167>

In the end, you'll have to deploy Active Directory. You would be best served to use a fresh installation-and-migration approach vs. trying to install in the same SAMBA domain. It's a little more work yes.

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However, it allows for your clients to learn the product (they think they know now I'm sure, but then, why bother with you? :) and it allows for a clean start. Believe me, with Exchange and Active Directory, you'll want that especially in an environment where they're likely to be hostile towards Microsoft products at some level or at the very least, wary and wondering why they are told to deploy it.

A domain trusted domain might work, but I'd strongly suggest they just consider one for simplicity sake. And be sure to recommend that they deploy at least two DC/GC's! The use of Centrify or Vintella software might ease the integration somewhat as well.

Good luck.

Al

"John Fullbright [MVP]" <fjohn@donotspamnetappdotcom> wrote in message [news:ejn9YsRjGHA.4716@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:ejn9YsRjGHA.4716@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

I suspect it's the ldap server that ships with Linux and other eunuchs. You often see it in combination with sendmail.

Not a chance.

"Paul Goldman" <paulgoldman1948@xxxxxxxxxxxx> wrote in message [news:VODig.10186\\$Z67.790@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:VODig.10186$Z67.790@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Sorry to sound like such a moron, but I've never heard of this environment. I'm strictly a Windows person.

Are you saying that you don't think I can add into that environment a 2nd domain controller on a

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real Windows box and have  
it replicate? And  
then change the schema via  
ForestPre and DomainPrep?

Thanks.

"Al Mulnick"

<amulnick\_No\_SPAM@xxxxxxxxxxxx>

wrote in message

[news:egy4eAjGHA.1276@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:egy4eAjGHA.1276@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

Wow. Such  
a  
contradiction  
in terms it's  
really hard  
to know  
where to  
begin.  
There is no  
such thing  
as a  
SAMBA  
active  
directory.  
SAMBA is  
an emulator  
and as such  
will emulate  
to the best  
of its  
ability. It  
will be  
deficient in  
some areas.

I would not  
suggest to  
the client  
that this is  
OK. Far  
from it  
because if  
you get it to  
work  
(doubtful)  
you'll leave  
them in an  
awkward  
state where  
they can't

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get support.  
Exchange is  
only  
supported  
on Active  
Directory.  
That's it.  
Nothing  
else. Not  
ADAM, not  
LDAP, but  
Active  
Directory.

That said,  
you  
\*might\*  
have some  
luck with  
option 4:  
create a new  
AD  
forest,  
deploy  
Exchange  
into it and  
allow them  
to logon by  
presenting  
credentials  
at logon to  
the mailbox  
data.  
RPC/HTTP  
is a likely  
protocol to  
explore.

The reverse  
could also  
be done,  
and by that  
I mean  
migrate  
their  
workstations,  
servers,  
mac's, and  
nix boxes to  
the AD and  
then

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install  
Exchange in  
there.

Al

"Paul  
Goldman"  
<paulgoldman1948@xxxxxxxxxxxx>  
wrote in  
message  
[news:oliig.10090\\$Z67.5300@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:oliig.10090$Z67.5300@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

I  
have  
a  
new  
client  
who  
wants  
me  
to  
install  
an  
Exchange  
server  
in  
their  
infrastructure.  
They  
currently  
have  
a  
simulated  
AD  
using  
Samba  
to  
front  
end  
a  
Linux-based  
LDAP  
directory.  
They  
have  
about  
50

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XP  
Pro  
workstations  
that  
log  
into  
the  
domain.

There  
are  
also  
2  
Windows  
member  
servers  
in  
the  
domain.

In  
addition,  
they  
have  
about  
5  
Macs  
and  
10  
Linux  
desktop  
machines.

Does  
anyone  
have  
experience  
in  
this  
area.

Will  
I  
be  
able  
to  
install  
an  
Exchange  
server  
in  
the  
existing  
infrastructure?

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I  
figure  
I  
have  
3  
options.

1.  
Install  
Windows  
2003  
Server.  
Join  
the  
existing  
domain.  
Install  
AD  
on  
the  
new  
Windows  
2003  
Server.  
See  
if  
it  
replicates.  
Try  
to  
install  
Exchange  
2003  
Server.  
If  
the  
domainprep  
and  
forestprep  
work,  
then  
everything  
should  
be  
OK  
(theoretically).

2.  
If  
the  
above

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fails,  
install  
Windows  
2003  
Server,  
create  
a  
new  
domain.  
See  
if  
I  
can  
create  
a  
2-way  
trust  
between  
the  
SAMBA  
domain  
and  
the  
new  
domain.  
If  
that  
works,  
then  
proceed  
with  
Exchange  
installation  
and  
migrate  
accounts  
over  
via  
ADMT.

3.  
If  
2  
fails,  
install  
Windows  
2003  
Server,  
create  
a  
new

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domain.  
Create  
new  
accounts  
on  
new  
domain  
either  
manually  
or  
via  
LDIF  
export  
from  
existing  
LDAP.  
Have  
users  
give  
new  
domain  
credentials  
when  
they  
launch  
Outlook  
or  
Outlook  
Web  
Access.

Am  
I  
on  
the  
right  
track?  
Does  
anyone  
have  
any  
different  
or  
better  
ideas?

Thanks.

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