

Re: ADS authentication & Samba/Winbind

Source: <http://linux.derkeiler.com/Mailing-Lists/RedHat/2006-11/msg00005.html>

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 - *Date:* Wed, 1 Nov 2006 09:02:11 +0100
-

1. is your time synced correctly?
2. is DNS working correctly forward/reverse?
3. can you get a ticket using kinit?

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Re: ADS authentication & Samba/Winbind

```
|-----+----->
| "Buddy Jennings" |
| <buddyj@xxxxxxx> |
| Sent by: |
| redhat-list-bounces|
| @redhat.com |
| |
| |
| | 31-10-2006 23:42 |
| Please respond to |
| General Red Hat |
| Linux discussion |
| list |
| |
|-----+----->
>-----+----->
|
| To: redhat-list@xxxxxxxxxxx |
| cc: |
| Subject: ADS authentication & Samba/Winbind |
>-----+----->
```

Sorry for the long post, but any help would be appreciated!

I have two RH AS4 boxes. I have configured both to authenticate against my windows ADS.

The only difference between the machines is one is a 32-bit build and the other is a 64-bit build.

Linux 64bit.mydomain.com 2.6.9-42.0.3.ELsmp #1 SMP Mon Sep 25 17:24:31 EDT 2006 x86_64 x86_64 x86_64 GNU/Linux

Linux 32bit.mydomains.com 2.6.9-42.0.3.ELsmp #1 SMP Mon Sep 25 17:28:02 EDT 2006 i686 i686 i386 GNU/Linux

Both machines allow domain users to login to standard services, ssh or ftp for example.

Home directories are created when they login in on either machine.

ntlm_auth
and getent works on both systems.

My 32-bit machine will allow 3rd part apps (those I've tested) to authenticate the users, but the same apps fail to authenticate the same users on the 64-bit machine.

I have compared the following files (they are the same bytes even!)

```
/etc/pam.d/system-auth
/etc/pam.d/squid
/etc/pam.d/samba
/etc/samba/smb.conf
```

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```
/etc/hosts
/etc/sysconfig/iptables
/etc/sysconfig/samba
/etc/sysconfig/authconfig
/etc/sysconfig/network
/etc/sysconfig/squid
/etc/sysconfig/saslauthd
/etc/krb5.conf
/etc/nsswitch.conf
/etc/pam_smb.conf
/etc/log.d/conf/services/pam.conf
```

Both machines are running the same services.

In the /var/log/samba directory:

smbd.log are similar.

nmbd.log: The 32-bit machine promotes itself as local browser master, the 64-bit machine

doesn't , otherwise all entries are the same.

/var/log/message and /var/log/secure shows the same sequence on login on either machine.

A 3rd party vendor gave me a utility that calls pam-auth and outputs debug info call caut. Notice that the module called auth_etc_passwd passes on 32-bit but not on the 64-bit.

32-bit output (passwords x'd out!):

```
[root@ tmp]# ./caut
```

Authentication dump

service (eg "su") -

user name - mydomain\buddyj

password (will be echoed) - xxxxxx

auth_auth: debug 1 inline 0

auth_trusted: getspname did not find an entry for User mydomain\buddyj

auth_etc_passwd: getpwnam found entry for User mydomain\buddyj

pw_name: buddyj

pw_passwd: *

auth_check_passwd_crypt: FAILED (Standard crypt) *****

auth_check_passwd_crypt: Salt * passwd * crypt_result **XXXXXXXXXXXX

Calling pam_start

pam_start succeeded for service , user mydomain\buddyj

Calling pam_authenticate

[GUI]Authentication failure for mydomain\buddyj (PAM Err# 7)

[Result]NOK

Authentication failure for mydomain\buddyj

64-bit output:

```
root@64bit caut]# ./caut
```

Re: ADS authentication & Samba/Winbind

Authentication dump
service (eg "su") –
user name – mydomain\buddyj
password (will be echoed) – xxxxxx
auth_auth: debug 1 inline 0
auth_trusted: getspname did not find an entry for User mydomain\buddyj
auth_etc_passwd: getpwnam did not find an entry for User mydomain\buddyj
Calling pam_start
pam_start succeeded for service , user mydomain\buddyj
Calling pam_authenticate
[GUI]Authentication failure for mydomain\buddyj (PAM Err# 7)
[Result]NOK
Authentication failure for mydomain\buddyj

I can't find any config difference! How else can you determine configuration differences between two machines? Any suggestions?

I'll post a follow up of the steps I used on both machines.

Thanx!
Buddy

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