

# ADS authentication & Samba/Winbind

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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
/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.

## ADS authentication & Samba/Winbind

/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
```

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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