

# Table of Contents

Active Directory Mode

Set DNS resolver

Kerberos.conf

Enable AD

WSDD

Verify

Set resolv.conf

smbstatus

Check Samba Dialects

Redhat Install

Enable startup

smb.conf

Add users

Samba users mapping to Linux

Mount SAMBA device

Mount SAMBA with older protocol

1

1

2

2

2

2

2

3

3

3

3

3

4

4

4

5

# Active Directory Mode

Server 2008\_R2 supported 100000 users and computers, 100 DC in domain tested

Change Directory Server ✕

Current Directory Server:  
ad.corp.janforman.com|

Change to:

☒ Any writable Domain Controller  
☐ This Domain Controller or AD LDS instance

Name	Site	DC Type	DC Version	Status
<Type a Directory Server name[:port] here>				
ad.corp.janforman.com	Osek-HQ	GC	W2K8 R2	Online

☐ Save this setting for the current console

OK Cancel Help

**IN LXC YOU MUST USE PRIVILEGED CONTAINER AND DNS may be 127.0.0.1 in the end!**

Insert AD name ad.corp.janforman.com

```
sudo vi /etc/hostname  
sudo vi /etc/hosts
```

etc/cloud.cfg

```
preserve_hostname: true
```

```
sudo apt-get install samba krb5-user krb5-config winbind smbclient libpam-winbind libnss-  
winbind wsdd
```

wsdd2 conflicts with SMBD!

```
Kerberos Realm: CORP.JANFORMAN.COM  
Kerberos servers for your realm: ad.corp.janforman.com  
Administrative server for your Kerberos realm: ad.corp.janforman.com
```

```
sudo mv /etc/samba/smb.conf /etc/samba/smb.conf.original  
sudo samba-tool domain provision --use-rfc2307 --interactive
```

## Set DNS resolver

```
sudo mkdir /etc/systemd/resolved.conf.d/
```

/etc/systemd/resolved.conf.d/custom.conf

```
[Resolve]  
DNSStubListener=no  
Domains=corp.janforman.com  
DNS=127.0.0.1
```

sudo systemctl restart systemd-resolved  
or simply disable that service

add to smb.conf global section

```
dns forwarder = 172.24.16.254
```

## Kerberos.conf

```
[libdefaults]
    default_realm = CORP.JANFORMAN.COM
    dns_lookup_realm = false
    dns_lookup_kdc = false

[realms]
CORP.JANFORMAN.COM = {
    kdc = ad.corp.janforman.com
    admin_server = ad.corp.janforman.com
    default_domain = corp.janforman.com
}

[domain_realm]
    ad = CORP.JANFORMAN.COM
```

## Enable AD

```
sudo mv /etc/krb5.conf /etc/krb5.conf.original
sudo cp /var/lib/samba/private/krb5.conf /etc/
sudo systemctl disable --now smbd nmbd winbind
sudo systemctl unmask samba-ad-dc
sudo systemctl enable --now samba-ad-dc wsdd
```

## WSDD

/etc/default/wsdd

```
WSDD_PARAMS="-w CORP"
```

## Verify

```
sudo samba-tool domain level show
smbclient -L localhost -N

kinit administrator
klist
```

## Set resolv.conf

```
sudo rm -f /etc/resolv.conf && sudo vi /etc/resolv.conf
nameserver 127.0.0.1
domain corp.janforman.com
```

# smbstatus

Samba version 4.15.13-Ubuntu									
PID	Username	Group	Machine					Protocol Version	
Encryption		Signing							
-----									
-----									
1526	root	users	172.24.16.123 (ipv4:172.24.16.123:50210)					SMB3_11	
-		partial(AES-128-CMAC)							
Service	pid	Machine	Connected at					Encryption	Signing
-----									
public	1526	172.24.16.123	Wed Jun 21 09:31:07 PM 2023 UTC	-	AES-128-CMAC				
Locked files:									
Pid	User(ID)	DenyMode	Access	R/W	Oplock	SharePath	Name		
Time									
-----									
-----									
1526	0	DENY_NONE	0x100081	RDONLY	NONE	/mnt	.	Wed Jun	
21 21:31:11 2023									
1526	0	DENY_NONE	0x100081	RDONLY	NONE	/mnt	.	Wed Jun	
21 21:31:11 2023									
1526	0	DENY_NONE	0x100081	RDONLY	NONE	/mnt	.	Wed Jun	
21 21:31:09 2023									

# Check Samba Dialects

```
nmap --script smb-protocols 192.168.101.0/24
nmap -sS -sV -sC 192.168.101.0/24
```

# Redhat Install

```
yum install samba samba-client samba-common
```

# Enable startup

```
systemctl enable smb.service
systemctl enable nmb.service
systemctl restart smb.service
systemctl restart nmb.service
```

# smb.conf

```
[global]
workgroup = WINDOWS
server string = Samba Server Version %v
netbios name = SAMBA
log level = 1
log file = /var/log/samba/log.%m
```

```
max log size = 50
security = user
local master = no
os level = 33
preferred master = no
wins support = no
#===== connect to existing wins or enable wins support
wins server = 172.24.16.254
wins proxy = yes
#=====
dns proxy = yes
map to guest = bad user

username map = /etc/samba/smbusers

use sendfile = 1
deadtime = 10

load printers = no
printing = bsd
printcap name = /dev/null
disable spoolss = yes

#===== Share Definitions
[public]
comment = Public
path = /storage/public
public = yes
writable = yes
printable = no
guest ok = yes
```

## Add users

```
smbpasswd -a <linuxuser>
```

## Samba users mapping to Linux

```
/etc/samba/smbusers
```

```
linuxuser = sambaname
```

## Mount SAMBA device

```
/etc/fstab
```

```
//172.24.16.20/backup_oracle /backup_oracle cifs
_netdev,rw,username=USER,password=PASSWORD,file_mode=0640,dir_mode=0750,uid=oracle,gid=oinsta
ll 0 0
```

# Mount SAMBA with older protocol

```
mount -o vers=1.0 //x.x.x.x/share /mnt/samba
```

From:

<https://wiki.janforman.com/> - [wiki.janforman.com](https://wiki.janforman.com/)

Permanent link:

<https://wiki.janforman.com/linux:samba>

Last update: **2023/12/29 16:05**

