**Provide SMB network shares to specific clients.**

**Configuration Procedure**

Install the **Samba** packages:

# **yum groupinstall -y "file-server"**

# **yum install -y samba-client samba-winbind**

Create a new **/etc/samba/smb.conf** file and add the following lines (for a workgroup named **MYGROUP**, a server called **MYSERVER**, a local network with IP addresses in **192.168.1.0/24**, a user named **user01** and a share called **shared**):

**workgroup = MYGROUP**

**server string = Samba Server Version %v**

**netbios name = MYSERVER**

**interfaces = lo eth0 192.168.1.0/24**

**hosts allow = 127. 192.168.1.**

**log file = /var/log/samba/log.%m**

**max log size = 50**

**security = user**

**passdb backend = tdbsam**

**[shared]**

**comment = Shared directory**

**browseable = yes**

**path = /shared**

**valid users = user01**

**writable = yes**

Note: with “**passdb backend = tdbsam**“, passwords are stored in the **/var/lib/samba/private/passdb.tdb** file.

Check the syntax of the configuration file:

# **testparm**

Load smb config files from /etc/samba/smb.conf

rlimit\_max: increasing rlimit\_max (1024) to minimum Windows limit (16384)

Processing section "[shared]"

Loaded services file OK.

Server role: ROLE\_STANDALONE

Press enter to see a dump of your service definitions

[global]

workgroup = MYGROUP

netbios name = MYSERVER

server string = Samba Server Version %v

interfaces = lo, eth0, 192.168.1.0/24

log file = /var/log/samba/log.%m

max log size = 50

idmap config \* : backend = tdb

hosts allow = 127., 192.168.1.

[shared]

comment = Shared directory

path = /shared

valid users = user01

read only = No

Create the **shared** directory:

# **mkdir /shared**

Give full access rights to the new directory:

# **chmod 777 /shared**

Create a file inside called **test**:

# **echo "This is a test." > /shared/test**

Set up the correct **SELinux** context:

# **yum install -y setroubleshoot-server**

# **semanage fcontext -a -t samba\_share\_t "/shared(/.\*)?"**

# **restorecon -R /shared**

Add the new service to the firewall:

# **firewall-cmd --permanent --add-service=samba**

Reload the firewall configuration:

# **firewall-cmd --reload**

Activate the **Samba** services at boot:

# **systemctl enable smb**

# **systemctl enable nmb**

# **systemctl enable winbind**

Start the **Samba** services:

# **systemctl start smb**

# **systemctl start nmb**

# **systemctl start winbind**

Create the samba user **user01** with the password **pass**:

# **useradd -s /sbin/nologin user01**

# **smbpasswd -a user01**

New SMB password:

Retype new SMB password:

Added user user01.

Check the configuration:

# **smbclient //localhost/shared -U user01%pass**

Domain=[MYGROUP] OS=[Unix] Server=[Samba 4.1.1]

smb: \> **ls**

. D 0 Sun Aug 3 00:19:00 2014

.. D 0 Sat Aug 2 23:16:27 2014

test N 0 Sun Aug 3 00:15:20 2014

47356 blocks of size 65536. 26414 blocks available