**Provide network shares suitable for group collaboration.**

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Install the **Samba** group package:

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

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 = no

path = **/shared**

valid users = **@sharedgroup**

writable = yes

Check the syntax of the configuration file:

# testparm

Create the shared directory:

# mkdir /shared

Create a dedicated group:

# groupadd -g 60000 sharedgroup

Assign this group to the new directory:

# chgrp sharedgroup /shared

Define permissions:

# chmod 2770 /shared

Set the correct **SELinux** type:

# yum install -y setroubleshoot-server

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

# restorecon -R /shared

Add the following new rules to the firewall:

# iptables -I INPUT -m state --state NEW -m udp -p udp --dport **137** -j ACCEPT

# iptables -I INPUT -m state --state NEW -m udp -p udp --dport **138** -j ACCEPT

# iptables -I INPUT -m state --state NEW -m tcp -p tcp --dport **139** -j ACCEPT

# iptables -I INPUT -m state --state NEW -m tcp -p tcp --dport **445** -j ACCEPT

Save the firewall configuration:

# service iptables save

Activate the **Samba** services at boot:

# chkconfig smb on

# chkconfig nmb on

# chkconfig winbind on

Start the **Samba** services:

# service smb start

# service nmb start

# service winbind start

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

# useradd user01 -s /sbin/nologin

# smbpasswd -a user01

Add the new user into the shared group:

# usermod -a -G sharedgroup user01

Test the connection from a client:

# yum install -y cifs-utils

# mount.cifs -o rw,username=user01,password=user01 //MYSERVER/shared /mnt