

# Samba and FTP

Thomas Clauwaert

## Required packages

- libsemanage-python
- samba-common
- samba
- samba-client

## Services & firewall & selinux

Command	Meaning
loadkeys be-latin1	For Azerty
systemctl list-units --type	List of services
systemctl status httpd	Services onderzoeken via status
firewall-cmd [--permanent] [--zone=ZONE] -add-service=http	Firewalld add service
rpm -ql dhcp	List of files in package (dhcp)
journalctl -f	Log files
getsebool -a	List booleans in SELinux
testparm	Test samba setup

## Interesting config files

Path	Function
/etc/resolv.conf	DNS
/etc/sysconfig/network-scripts/ifcfg-enp0s8	Ip
/etc/httpd/conf/httpd.conf	Apache
/etc/samba/smb.conf	Samba
/etc/vsftpd/vsftpd.conf	FTP

## Troubleshooting Samba

Samba logs	Meaning
smbd -l /var/log/samba	Config logs of samba
nmbd -l /var/log/samba	Config logs of samba
cat /var/log/samba	Config logs of samba

Samba service	Meaning
Systemctl restart smbd	Restart samba
ps -ea   grep smbd	Check the process of samba
systemctl list-units --type	Check running services

Samba service	Meaning
ps ax	Check the daemons (smbd, nmbd)
ss -a	Check daemon-port
systemctl list-units --type	Check running services
Testparm /usr/local/samba/lib/smb.conf x.y.z.q	Test the configuration with client ip

## Checklist

Check	Task
	Check Hardware (or Virtualbox-settings)
	IP configuration
	Packages (libsemanage-python, samba-common, samba, samba-client) are installed
	Services (nmb, smb) are running
	Firewall is configured
	Users are created
	Samba configuration file is correct
	SELinux is configured (booleans: samba_enable_home_dirs, samba_export_all_rw)

## Example config files

```
[global]
# Server information
netbios name = FILESRV
workgroup = LINUXLAB
server string = Fileserver %m

# Logging
syslog only = yes
syslog = 1

# Authentication
security = user
passdb backend = tdbsam
map to guest = bad user

# Name resolution: make sure \\NETBIOS_NAME\ works
wins support = yes
local master = yes
domain master = yes
preferred master = yes

## Make home directories accessible
[homes]
comment = Home Directories
browseable = no
writable = yes

[directie]
comment = directie
path = /srv/shares//directie
public = no
valid users = @directie, femkevdy
```

Figure 1: Vsftpd