

Setup a FreeBSD File Server with Samba

Here is a tutorial about configuring a File Server on FreeBSD with Samba.

Samba offers SMB/CIFS support on FreeBSD, making possible to build a File Server accessible by your Windows computers in LAN (your FreeBSD hard drive partitions will be visible/accessible for Windows computers).

We assume you've installed FreeBSD on a machine and you've created a partition that will be shared in LAN.

Step 1. Install Samba

```
-----  
cd /usr/ports/net/samba  
make install
```

Step 2. Add a user to Samba

```
-----  
Create a FreeBSD system username:
```

```
adduser
```

Then add that user to Samba:

```
/usr/local/bin/smbpasswd -a username
```

If you forgot first to create a system user then you will get an error like this:

```
Failed to add entry for user username
```

Step 3. Create a configuration file for Samba

```
-----  
Create a new /usr/local/etc/smb.conf file:
```

```
edit /usr/local/etc/smb.conf
```

and put the following lines:

```
# ----- /usr/local/etc/smb.conf -----  
[global]  
netbios name = Server  
workgroup = Workgroup  
server string = Server  
interfaces = em0  
security = user  
log file = /var/log/samba/%m.log  
max log size = 50  
load printers = No  
os level = 39  
preferred master = Yes  
domain master = Yes  
dns proxy = No  
local master = Yes  
wins support = yes  
cups options = raw  
printcap name = /etc/printcap  
encrypt passwords = yes  
printing =
```

```
[home]  
comment = Home Directories  
path=/home/%u  
read only = no
```

```
writable = yes  
browseable = yes  
map to guest = Never  
guest ok = no
```

[Share]

```
comment = File Servers  
path = /home/fileserver  
writeable = yes
```

```
# -----
```

Step 4. Start Samba services

```
-----
```

We will not edit the script that will start Samba service, and we'll add a line in /etc/rc.conf to start Samba at boot.

Edit script that will start Samba service,

```
edit /usr/local/etc/rc.d/samba
```

and change from `samba_enable:=NO` to `samba_enable:=YES`.

Edit /etc/rc.conf and add the following line (to start Samba at boot):

```
samba_enable="YES"
```