

Configure_Samba_in_Linux

In this HOWTO we're going to prepare a Samba Filesystem Samba share specific for JFFS. This will work in several GNU/Linux distributions.

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Install Samba

Open a terminal and write this:

On Ubuntu:

```
sudo aptitude install samba
```

On Debian (as root):

```
aptitude install samba
```

On Fedora (as root):

```
yum install samba
```

On Suse (as root):

```
smart install samba
```

Configuring Samba

First do a backup of the default configuration:

```
mv /etc/samba/smb.conf /etc/samba/smb.conf.backup
```

Then open the configuration file with your favorite text editor (vim, nano, emacs, gedit, kate)

```
vim /etc/samba/smb.conf
```

And write this:

```
[global]  
workgroup = CHANGETHIS
```

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```
server string = %h server
log file = /var/log/samba/log.%m
security = user
invalid users = root
load printers = no
```

```
[jffs]
comment = JFFS for DD-WRT
path = /mnt/jffs
browseable = no
valid users = jffsuser
read only = no
```

Now you have to restart samba service

In Debian (as root): `/etc/init.d/samba restart`

In Ubuntu:

```
sudo /etc/init.d/samba restart
```

In RPM based distributions like RedHat, Suse, CentOS, Fedora (as root):

```
service samba restart
```

or maybe

```
service smb restart
```

Extra commands

With the configuration file we've done before, you've to create the directory for the mount:

```
mkdir /mnt/jffs
```

Then create the user in the system, assign it a password and answer several questions. We're also saying that his home directory is `/mnt/jffs` (same location that we put in the configuration file) and that he doesn't have a valid shell:

```
adduser jffsuser --home /mnt/jffs --shell /bin/false
```

As the output should tell you, home directory doesn't have the right permissions, let's change it (as root, of course):

```
chown jffsuser:jffsuser /mnt/jffs
```

At the end you should create the password for Samba access. It can (and should) be different from the user system password. As this is the first time we've assign the user a Samba password, you must use `-a`:

```
smbpasswd -a jffsuser
```

Test it

You can test it by entering this in direction bar in Konqueror or Nautilus:

```
smb://jffsuser@localhost/jffs/
```

or

```
smb://localhost/jffs/
```

Then you can create a file (eg: lala.txt) and check it:

```
$ls -l /mnt/jffs
total 4
-rwxr--r-- 1 jffsuser jffsuser 2 2009-03-04 06:39 lala.txt*
```

Troubleshooting

Check if user is created in the system:

```
$ grep jffs /etc/passwd
jffsuser:x:1001:1001:,,,:/mnt/jffs:/bin/false
```

Check if the directory is created and have right permissions:

```
$ ls -ld /mnt/jffs
drwxr-xr-x 2 jffsuser jffsuser 4096 2009-03-13 21:55 /mnt/jffs/
```

Change Samba password to the user:

```
smbpasswd jffsuser
```

Check smb.conf syntax:

```
testparm
```