



# Linux Workshop

## Lab 3 Mounting & vi



### Requirements

- A Windows (Samba) share in the network and user credentials (name and password) to use for the connection.
- A UNIX (NFS) share in the network.

### To Do

1. Add a UNIX mount to the mount boot file. Check the correct syntax of the file by using:

```
mount -a
```

```
mount
```

2. Add a Samba mount ('mapping', 'net use' command) to the mount boot file. Make sure that the user credentials stay hidden for normal users. Check the correct syntax of the file by using:

```
mount -a
```

```
mount
```

### Quick Reference Objectives to learn

#### Mounting

```
vi /etc/fstab #Mounting at boot time
//srv/share /mnt/dir smbfs defaults,username=nobody o o
#or just copy an existing line and adjust the settings
mount -a #Mount all stuff from /etc/fstab
mount #Show mounts (equals to: cat /etc/mntab)
smbclient -L server -U user #List smb shares for user. Mount smb:
mount -o username=beavis //srv/share /mntdir
mount server:/exportdir /mntdir #Mount nfs share
mount /dev/cdrom /media/cdrom #Not necessary with subfs
umount /dev/cdrom #Not necessary with subfs, just eject CD
mount /dev/hda1 /mntdir #Mount first partition in /mntdir
mount -o loop file.iso /dir #Open .iso file directly in /dir
```

#### Vi Summary

```
i #Goto insert mode. Insert behind cursor
o #Goto insert mode, open new line below
<escape> #Goto command mode
:wq #Save and quit (write & quit)
:wq! #Save and quit, overwrite ro file (as root)
:x #Save and quit (exit)
<shift>ZZ #Save and quit (Zie Zo, klaar)
:q #Quit
:q! #Quit without save
/searchtext #Press <enter>, and <n> (next)
5yy #Yank (copy) 5 lines to clipboard
p #Paste (p)
u #Undo
5dd #Delete 5 lines
x #Delete character
```

### Theory Modules

LPIC 1 Certification Bible, isbn 0-7645-4772-0

- p. 217-221 Mounting and Unmounting File Systems
- p. 515-527 Using vi

### Extra References

- [www.tldp.org](http://www.tldp.org)
- [www.vmware.com](http://www.vmware.com)