



Linux Workshop Lab 10 Installation



Requirements

- Bootable CD or ISO file plus VMware. (The bootable CD is CD1 of the normal installation set)
- Installation source of SuSE Linux Enterprise Server (Windows share)
- Installation source of RedHat Enterprise Linux Server (NFS share)
- 2 (virtual) disks in the machine of at least 10GB (IDE or LSI Logic in VMware).

To Do

1. Edit the VMware Preferences: Check or change to the <Ctrl-Shift-Alt> Hot Key.
2. Do a SuSE installation using the network installation resource and partition schema indicated by the instructor. Use <F3> to change from CDROM to SMB.

◆ Note: Continue with the text based installation after the memory error or use either `x11i=fbdev` or `vnc=1` at the install grub screen. After setting the IP options, a Java capable browser can do the remote install process, e.g. using `http://192.168.1.1:5801`

3. Do a Red Hat installation using the network installation resource and partition schema indicated by the instructor. Use <F2> at the boot prompt to see that you have to type:

linux askmethod

to initiate a network installation. In VMware: Use IDE or LSI Logic as hard disk controller (not Buslogic).

- ◆ Note: The Red Hat Disk Druid creates own partition numbers. Just accept the differences (or use <Ctrl-Alt-F2>, start fdisk, do the customized partitioning and restart the installation).

Quick Reference Objectives to learn

Partitioning

```
fdisk -l
fdisk /dev/hda
parted /dev/hdb
cfdisk /dev/sda
partprobe
df -h
du -h
fdformat /dev/fd0H1440
mkdosfs /dev/fd0
```

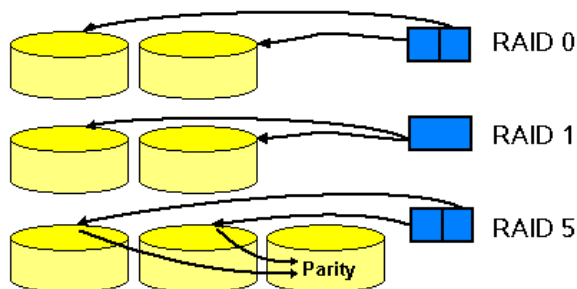
#Three example tools (as root):
#List disks and partitions
#Partition master disk on primary channel
#Partition slave disk on primary channel
#Partition first serial disk
#Reread the partition table (without restart)
#Show disk free space (-human readable)
#Show disk usage (-human readable)
#Low level floppy disk format
#High level floppy disk format

LVM

#Logical Volume Management
#Partition type id 8e

Software RAID

#Partition type id fd



Theory Modules

LPIC 1 Certification Bible, isbn 0-7645-4772-0
➤ p. 3 Ch. 1 Installing Linux

Extra References

- www.tldp.org
- www.vmware.com
- Usenet newsgroups comp.os.linux

Partition schema

