



## **RH202**

**(Redhat Certified Technician on Redhat Enterprise Linux 4 (Labs))**

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## Question: 1

**Make Successfully Resolve to server1.example.com where DNS Server is 192.168.0.254.**

**Answer:**

1. vi /etc/resolv.conf Write : nameserver 192.168.0.254

**Explanation:**

If you have multiple name server (DNS), you can append another line. First Request goes to the First name server if not found then goes to second name server. Then try to resolve the Server1.example.com by using host or dig command. Eg: host server1.example.com When we use the DNS client tool first it sends the request to the DNS server specified in /etc/resolv.conf as a name server. If that DNS is not found then it sends the request to the Root name Server. I will explain about the root Name server.

## Question: 2

**Quota is implemented in /data but not working properly. Find out the Problem and implements the quota to user1 to have a soft limit 60 inodes (files) and hard limit of 70 inodes (files).**

**Answer:**

You should to implement the quota on any directory that should be mounted with usrquota option for user quota and grpquota for group quota.

```
vi /etc/fstab /dev/hda11 /data ext3 defaults,usrquota 0 0
```

Either Reboot the System or remount the partition. Mount -o remount /dev/hda11 /data

```
touch /data/aquota.user
```

```
quotacheck -ufm /data
```

```
quotaon -u /data
```

```
edquota -u user1 /data and Specified the Soft limit and hard limit on opened file.
```

To verify either quota is working or not:

i. Login as user1

ii. Create the 61 files and see the warning of soft limit. iii use the quota command.

## Question: 3

**One Logical Volume named lv1 is created under vg0. The Initial Size of that Logical Volume is 100MB. Now you required the size 500MB. Make successfully the size of that Logical Volume 500M without losing any data. As well as size should be increased online.**

**Answer and Explanation:**

In RHEL 4 LVM (Logical Volume Manager) is Version 2. The new feature added is online extend. In previous version you should mount the device.  
 Verify the size of Logical Volume  
 Verify the Size on mount  
 Use : `lvextend -L+400M /dev/vgname/lvname`  
`ext2online -d /dev/vgname/lvname`  
 Again Verify using `lvdu`  
 the partition. If you require more space  
 LVM Concepts Multiple Physical Volumes  
 physical group we can create multiple  
 Logical Volume and online extend  
 the size of Logical Volume  
 More details in Configuration

can dynamically resize  
 disks belongs to  
 can create multiple  
 increase and decrease

Question: 4

**Create one partition**

**Answer and Explanation:**

Use `fdisk /dev/hda` Æ  
 Type `n` Æ For New partition  
 It will ask for Logical cylinder  
 It will ask for the Start  
 Type the Size: `+100M`  
 Press `P` to verify the partition  
 Press `w` to write on partition  
 Either Reboot or use `partprobe`  
 Use `mkfs -t ext3 /dev/hda5`  
`vi /etc/fstab` Write: `/dev/hda5`  
 Verify by mounting or

n.

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