

Homework #4 Solution

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System Administration 1

1. (50%)

Allow machines in 192.168.123.0/24 to access /share via NFS, with these permissions:

rw: read & write

no_subtree_check: do not check if the file accessed exists in appropriate filesystem or subtree.

This is now the default in nfs-utils since subtree check may cause some issues.

no_root_squash: do not squash root to nfsnobody, allowing user to use root to access the NFS

2. (50% in total)

(a) (10%)

```
$ mkdir -p /mnt/share
```

```
$ mount -t nfs 192.168.123.100:/share /mnt/share
```

(b) (20%)

Create /mnt at first.

```
$ mkdir -p /mnt
```

Add a line in /etc/auto.master:

```
/- /etc/auto.nfs
```

Create /etc/auto.nfs with a line: /mnt/share -fstype=nfs 192.168.123.100:/share

Finally restart the autofs service.

(c) (20%)

Create /mnt/share at first.

```
$ mkdir -p /mnt/share
```

Add a line in /etc/fstab:

```
192.168.123.100:/share /mnt/share nfs defaults 0 0
```

And use mount to mount it at the time:

```
$ mount -a
```

System Administration 2

1 VM Installation and Management

We let you choose a free and open-source hypervisor and operating system, so we won't give a correct solution for everyone.

Please see the comments in your CEIBA.