

Basic Linux exercises NFS

This exercise installs nfs-utils, creates a directory to share and shares it. From the client you mount the shared directory to a local mountpoint.

1.
To make sure that nothing is blocked or denied, stop and disable firewalld and set SELinux to permissive mode.

```
[root@server ~]# systemctl stop firewalld  
[root@server ~]# systemctl disable firewalld  
[root@server ~]# setenforce 0
```

2.
Create a directory and put some files in it.

```
[root@server ~]# mkdir /mnt/share  
[root@server ~]# cd /mnt/share  
[root@server share]# touch file1 file2
```

3.
Edit the exports file and put the pathname, clients and permissions in it.

```
[root@server share]# vi /etc/exports
```

```
/mnt/share *(rw)  
:wq!
```

4.
Install the nfs utilities

```
[root@server share]# yum install nfs-utils
```

5.
Enable the nfs-server

```
[root@server share]# systemctl enable nfs-server  
[root@server share]# systemctl start nfs-server  
[root@server share]# systemctl status nfs-server
```

6.
On the other VM.
Firewall and SELinux
systemctl stop firewalld
[root@centos7_7 ~]# **systemctl stop firewalld**
[root@centos7_7 ~]# **systemctl disable firewalld**
[root@centos7_7 ~]# **setenforce 0**

7.

Install the nfs-utils

```
[root@client ~]# yum install -y nfs-utils
```

8.

Create a directory to function as a mountpoint.

```
[root@client ~]# mkdir /mnt/remoteshare
```

9.

Check whether the server shares or not.

```
[root@client ~]# showmount -e 192.168.4.229
```

```
Export list for 192.168.4.229:
```

```
/mnt/share *
```

10.

Mount the server's share to the local mountpoint.

```
[root@client ~]# mount 192.168.4.229:/mnt/share /mnt/remoteshare
```

11.

You should see file1 and file2.

```
[root@client ~]# ls /mnt/remoteshare/
```

```
file1 file2
```

End of exercise.