

Date
09/08/21

Neeraj Appari

Linux Practice 1-06

SDS Page No.
Date

* Aim = Configure DHCP Server, Configure DHCP (Dynamic Host Configuration Protocol) Server, Configure NFS Server to share directories on your network Configure NFS Client (Ubuntu and Windows Client OS)

* Description

1) DHCP Server

DHCP Server is a network server that automatically provides and assigns IP addresses, default gateways and other network parameters to client devices. It relies on the standard protocol known as Dynamic Host Configuration protocol or DHCP to respond to broadcast queries by clients.

2) NFS server:

Network file system is a distributed file system protocol, allowing a user on a client computer to access files over a computer network much like local storage is accessed.

* NFS Steps

1) Install NFS Server on Ubuntu or - `sudo apt-get update`
`sudo apt-get install nfs-kernel-server`

2) To share directory on NFS-server, need to create a directory by public - read only & private - read/write

3) To configure created directory with NFS server `sudo nano /etc/exports`

- 4) Add the given parameters.
- 5) Save and exit from nano editor.
- 6) Restart the NFS Service
- 7) NFS Client Configuration need to install NFS client packages with root privileges using command.
- 8) Create Mount Point to get access on NFS shared directory in NFS client machine. You need to create or use any other directory.
- 9) Temporary mounting file
`sudo mkdir /mnt/public`
`sudo mkdir /mnt/private`
`sudo mount -t nfs 192.168.173.132 /public/mnt/public`
`sudo mount -t nfs 192.168.173.132 /private/mnt/private`
- 10) Execute mount command.











