1. **Create a directory inside a directory where the parent directory does not exist?**

Steps:

mkdir -p parentDir/childDir

The -p option tells mkdir to create any necessary parent directories.

1. **Install a package on a Linux server when there is no internet connection**

Steps:

* 1. Download the required package in the machine which has internet connection.
  2. Copy the package to the required server using WinSCP

# Change to the directory containing the .deb files

* 1. cd /path/to/package/files
  2. Install with the following commands.

# Install all .deb files in the directory

* + 1. sudo dpkg -i \*.deb

# Install all .rpm files in the directory

* + 1. sudo yum localinstall \*.rpm

1. **How to access specific folders of Server A from Server B and Server C?**

Using SSHFS

Steps:

* 1. Install SSHFS:

On both Server B and Server C, install SSHFS using following command.

sudo apt-get install sshfs

* 1. Create a mount point:

# Create a directory where you want to mount the remote folder

mkdir ~/remote\_folder

* 1. Mount the remote folder:

sshfs <SSH username>@<Server Host name / IP>:/path/to/remote/folder ~/remote\_folder

* 1. Unmount the remote folder:

fusermount -u ~/remote\_folder

NFS (Network File System)

Steps:

1. Install NFS server on Server A:

sudo apt-get install nfs-kernel-server

1. Edit the NFS exports file on Server A:

# Add the directories you want to share to ‘**/etc/exports**’

/path/to/shared/folder serverB\_IP(rw,sync,no\_subtree\_check) serverC\_IP(rw,sync,no\_subtree\_check)

1. Export the shared directories:

sudo exportfs -a

1. Start the NFS server:

sudo systemctl start nfs-kernel-server

1. Install NFS client on Server B and Server C:

sudo apt-get install nfs-common

1. Create a mount point and mount the NFS share on Server B and Server C:

mkdir ~/remote\_folder

sudo mount serverA:/path/to/shared/folder ~/remote\_folder

1. Mount the NFS Share manually

sudo mount <serverA host name/IP>:/srv/nfs /mnt/nfs

1. Add an entry to ‘**/etc/fstab**’ to make NFS mount permanent:

<serverA host name/IP>:/path/to/shared/folder /path/to/local/mount nfs defaults 0 0

1. **Check all the running processes from a server?**

Steps:

ps aux

1. **Delete all the files older than X days inside a specific directory**

Steps:

#replace X with number of days in the below.

find /path/to/directory -type f -mtime +X -exec rm -f {} \;