* mounting and Unmounting

- -> The mount command is used to attach a file system somewhere within the filesystem tree.
- -> The basic arguments are device node and mount Point. For example

\$ sydo mount |dev|sdas |home

- -> will attach the file system contained in the disk Partition associated with the Iden Isdas device node into the file system tree at the Ihome mount Point.
- -) There are other wars to specify the partition other than the device mode, such as the 1960 or UUID (Universally Unique literatifier).
- -> To Unmount the Partition, the command would be
 - \$ sudo Unmount I home

* NFS and Network File systems

- -> many System administrators mount remote users home directories on a server in order to give them access to the same file configuration, across multiple client systems,
 - -) This allows the users to log in to diffrent computers, yet still have access to the same file resources.
 - -> The most common such files is named simply NFS (the network file system).

* NFS on the servers

-> on the Server machine, NFS uses daemons

(buit -in networking and service Process

in linux). and other systems servers

are started at the command line by

typing.

& sydo systemate start nfs

Note: RHEL | centos, Fedora , the Service I's naw caused onts-server not of.

- -> The text file letcl exports contains the directoria and Permission that host is willing to share with other system over NFS.
 - -) A very simple entry in this file may look like

| Projects * . example.com (TW)

- -> This entry allows the directory prosects to be mounted using NES with read and write (rw) Permissions and shared with other hosts in the example.com domain.
- -> After modifying letclexports file, you can

 type exports -av to notify linux about

 the directories you are allowing remotly

 mounted using NFS.
 - -1 You can also restart NFS with side systematic restart nfs but this is heaviour
 - -> To make sure the NFS service starts whenever the system is booted issue sudo systematil enable nfs.

* NFS on the client

- -> on the client machine, If it is desired

 to have remote file system mounted

 automatically upon system boot

 letelfstab is modified to accomplish

 this.
- -) For Example, an entry in client setclfstab might look like the following servername: Irrosects

Immt Infs | projects nfs defouls 00

- -> You can mount the remote file sistem without report or as a one-time mount by directly using the mount command.
 - \$ sudo mount servemane: \prosects.