DAS NAS AND SAN

- Now that you are familiar with basic of storage in Linux lets learn about external storage.

- DAS - Direct Attached Storage, external storage is attached directly to the host system tha requires the space.

- NAS - Network Attached Storage quite similar to NFS server.

- SAN - Storage Aread Network, this technology uses a fiber channel for providing high-speed storage.

NFS

- NFS - Does not store data in blocks. Instead, it saves data in form of files. It works on service-client model.

- NFS server maintains an export configuration file at `/etc/exports` that defines the clients which should be able to access the directories on the server. `/etc/exports` looks like this

```
[~]$ /etc/exports
/software/repos 10.61.35.201 10.61.35.202 10.61.35.203
```

- To exports all the mounts defined in `/etc/exports` use

```
[~]$ exportfs -a
```

- To manually export a directory use below command

```
[~]$ exportfs -o 10.61.35.201:/software/repos
```