## NFS Setup

Everything was done while watching the recording provided in Moodle.

First, I opened a new instance in pouta:

	Instance Name	Image Name	IP Address	Flavor	Key Pair
	benny-nfs	Ubuntu-22.0 4	192.168.1.29	standard.tiny	benny-server-FOR- NFS

After this I made the ssh key's for connecting to the nfs.

Pinging the nfs was a success.

```
benny@benny-server:~$ ping nfs-server
PING nfs-server (192.168.1.29) 56(84) bytes of data.
64 bytes from nfs-server (192.168.1.29): icmp_seq=1 ttl=64 time=1.01 ms
64 bytes from nfs-server (192.168.1.29): icmp_seq=2 ttl=64 time=0.596 ms
64 bytes from nfs-server (192.168.1.29): icmp_seq=3 ttl=64 time=0.464 ms
64 bytes from nfs-server (192.168.1.29): icmp_seq=4 ttl=64 time=0.496 ms
64 bytes from nfs-server (192.168.1.29): icmp_seq=5 ttl=64 time=0.541 ms
65 c

--- nfs-server ping statistics ---
65 packets transmitted, 5 received, 0% packet loss, time 4061ms
66 rtt min/avg/max/mdev = 0.464/0.620/1.007/0.198 ms
67 benny@benny-server:~$
```

Mounting the directory to the client (benny-server) was problematic, because I didn't have the default security group in the benny-server so I wasn't able to mount the directory. But after adding the default security group, I was able to move on with the task:

After this I made the server remember the mount by adding this line to /etc/fstab nfs-server:/var/nfs/tips /nfs/tips nfs auto,nofail,noatime,nolock,intr,tcp,actimeo=1800 0 0

Rebooting the system was a success.

For making the tips of the day files come from the nfs. I moved all the text files into /nfs/tips directory from /opt/tips using command: sudo mv /opt/tips/\*.txt /nfs/

After copying the tips from the local storage, I changed the script to search for the .txt files from the nfs:

```
GNU nano 4.8 display_tip.sh
#!/bin/bash

# Define an array that contains all the paths to the message files.
files=(/nfs/tips/*.txt)

# The total number of tips
num_tips=${#files[@]}
next_tip_index=0
```

How all works as expected.