Exercise 13.6: Convert the NFS and CIFS automatically mounted and unmounted

Convert the exported filesystems to be auto mounted by `systemd.automount` and dismount them when idle for 10 seconds.

Using the **systemd.automount** facility make previous **NFS** and **CIFS** mount automatically mount when accessed and dismount if idle for 10 seconds. Note: The idle timer will not run if a process has done a **cd** into the directory.

Solution 13.6

1. Make the changes to `/etc/fstab` as shown.

```
127.0.0.1:/home/export/nfs /home/share/nfs nfs x-systemd.automount,x-systemd.idletimeout=10,noauto,_netdev 0 0
//localhost/mainexports  /home/share/cifs cifs creds=/root/smbfile,x-systemd.automount,x-systemd.idletimeout=10,noauto,_netdev 0 0
```

2. Instruct **systemd** to re-read `/etc/fstab`

```
# systemctl daemon-reload
```

3. Test the auto-mounter by displaying a file in the shared directory or by changing into the directory. Don't forget the the auto-timer does not run if the directory is busy.

```
$ df -h
$ cd /home/share/nfs
$ df -h
$ cd
```

Wait a bit and re-execute the `df` command to see that the auto-mounter dismounted the share.