IT 3110: Systems Automation

Shell Scripting 4

Assignment
This assignment will hone your skills as a Bash shell programmer.

Tasks
Create the following script:

A script which automates the creation of an NFS share (mkdir), puts the correct entries in \( /etc/exports \), and then mounts that share on all clients.

You may optionally choose to automatically add a line to \( /etc/fstab \) for these mounts.

A sample run of your script might look like this:

```
./script.sh <sharename> <mountpoint>
./script.sh /shares/fruit /nfs/fruit
```

Thus, your script would automatically create the \( /shares/fruit \) directory on your nfs server (if it didn’t already exist). Or create whatever sharename was passed into the script. Then it will need to add a line to \( /etc/exports \). Then it may need to run \( \text{exportfs -a} \) to make that new nfs share visible to clients. Then your script would ssh to all your machines and create the new mountpoint like \( /nfs/fruit \), and mount your share.

Report
Take a print screen of your scripts running. Also upload your scripts.

Submission
- Submit your report and images to the \[SCRIPT 4\] assignment in the Canvas