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 $\{exportfs -a\}$ 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