Comp 7006 Lab 4 Report

By: Bhavya Shah A01023981

Files:

Menu.sh: This is my main script will give the user a number of options to choose from. They can install or upgrade packages. Can also configure packages. If they choose to configure packages then this will leverage the samba.sh or the httpd.sh file

Samba.sh: This script will basically configure the nfs-utils and samba. It will ask user for the username and password. It will make sure to get everything configured for the unix and windows

Httpd.sh: This is going to configure and set up apache needed for webpages. Once the user puts in a username and password it will configure all the steps automatically. Just like we did for lab 3 it is set up so that when finished the webpage will be created and it will be password protected.

Userdir.conf: This is a required file for the httpd script. It is placed in the /home/scripts folder and should be there.

Execution:

1. Make sure you put the scripts folder under the /home folder. Very important that you do as the script is written that way so make sure its under home and not root or any other folder
2. Change the permissions using the chmod 755. command
3. Run the script by typing sh menu.sh
4. The httpd and samba scripts are used by the menu.sh when the user chooses the configure option

Usage/Photos:

Menu.sh: In this script users can upgrade install and configure packages. Options 1-3 are default system commands but for configuring like option 4 those are custom shell scripts.

```
3
Last metadata expiration check: 1:34:45 ago on Fri 24 May 2019 01:10:11 PM PDT.
Package samba-2:4.7.10-1.fc27.x86_64 is already installed, skipping.
Dependencies resolved.
Nothing to do.
Complete!

Press Enter to continue!
```

The above screenshot is showing an example of when option 3 of installing samba is chosen for example. I have already tested this before and so my machine already has samba on it.

Httpd.sh: This script will configure for you a http apache web server. After you provide the username and password it will automatically set up and get you an index.html page. When this script is run it will ask for a username and password so it can make a local account. It will automatically create account and password. It will then ask for a IP address of the client. Lastly, it will make a samba account with the same username and password.

```
            Select option, then Return >
4
Enter DNF package name to configure: httpd
Create a username: homer
Create a password: Making useraccount.
Changing password for user homer.
passwd: all authentication tokens updated successfully.
Creating user directory
Creating an index file.
Now we Changing the required permissions.
Backing up the directory.conf file
Changing password file.
Create a new password for website login
New password:
Re-type new password:
Adding password for user homer
Apache server created
Would you like to edit the index page? [y/N] n
add more items to the folder? [y/N] n
```
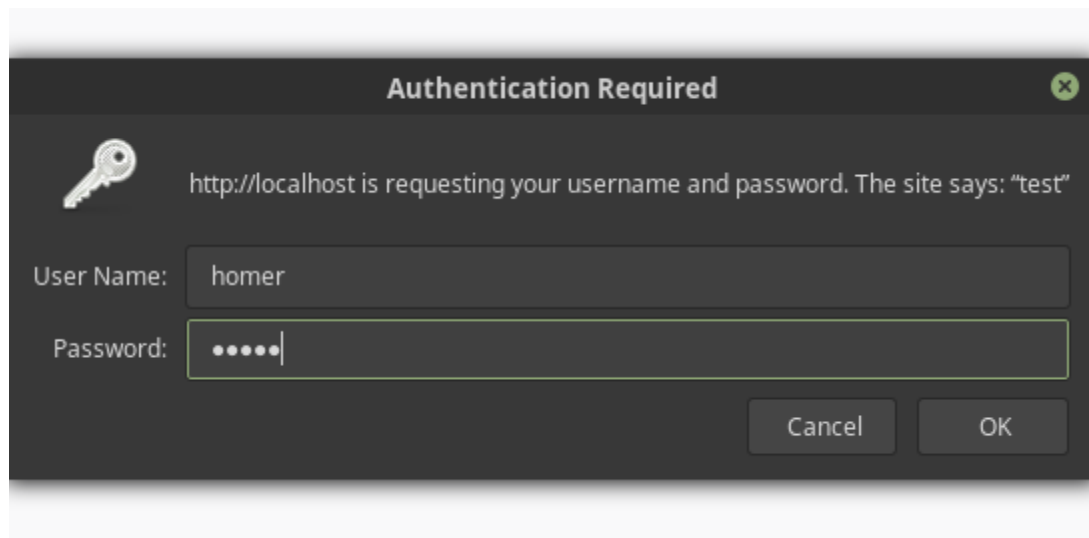
Once I press Ok here I will have a webpage all set up and good to go. Just like in lab 3 I made it authentication required.

Samba.sh: This script will configure nfs-utils and samba. When the script is run it will prompt for a username and password. It will make a local account. It will then make a directory, required files and exchanging the permissions. It shall leverage the userdir.conf file to do this which sets the permission and specifies the passwords file location. The photo below is a screenshot showing a successful nfs mount.

tmp

File　Edit　View　Go　Bookmarks　Help

← → ↑ ⟳ ◀ ⧉ mnt **tmp** ▶ .⌐ 🔍 ⊞ ☰ ☷

Elevated Privileges

My Computer
- Home
- Desktop
- File Syst...
- Trash

Bookmarks
- Docume
- Music
- Pictur
- Videos
- Downl

Devices
- 128 G
- Lexar

Network

📁 .mozilla
📄 file1.txt
📄 file2.txt
📄 .bash_logout
📄 .bash_profile
📄 .bashrc

root@datacomm-192-168-0-9:/

File　Edit　View　Search　Terminal　Help

```
08:48:39(~)root@datacomm-192-168-0-9:/$ mount -t nfs 192.168.0.12:/home/joey2 /mnt/tmp/
08:48:55(~)root@datacomm-192-168-0-9:/$ ▯
```