7006 Lab 4

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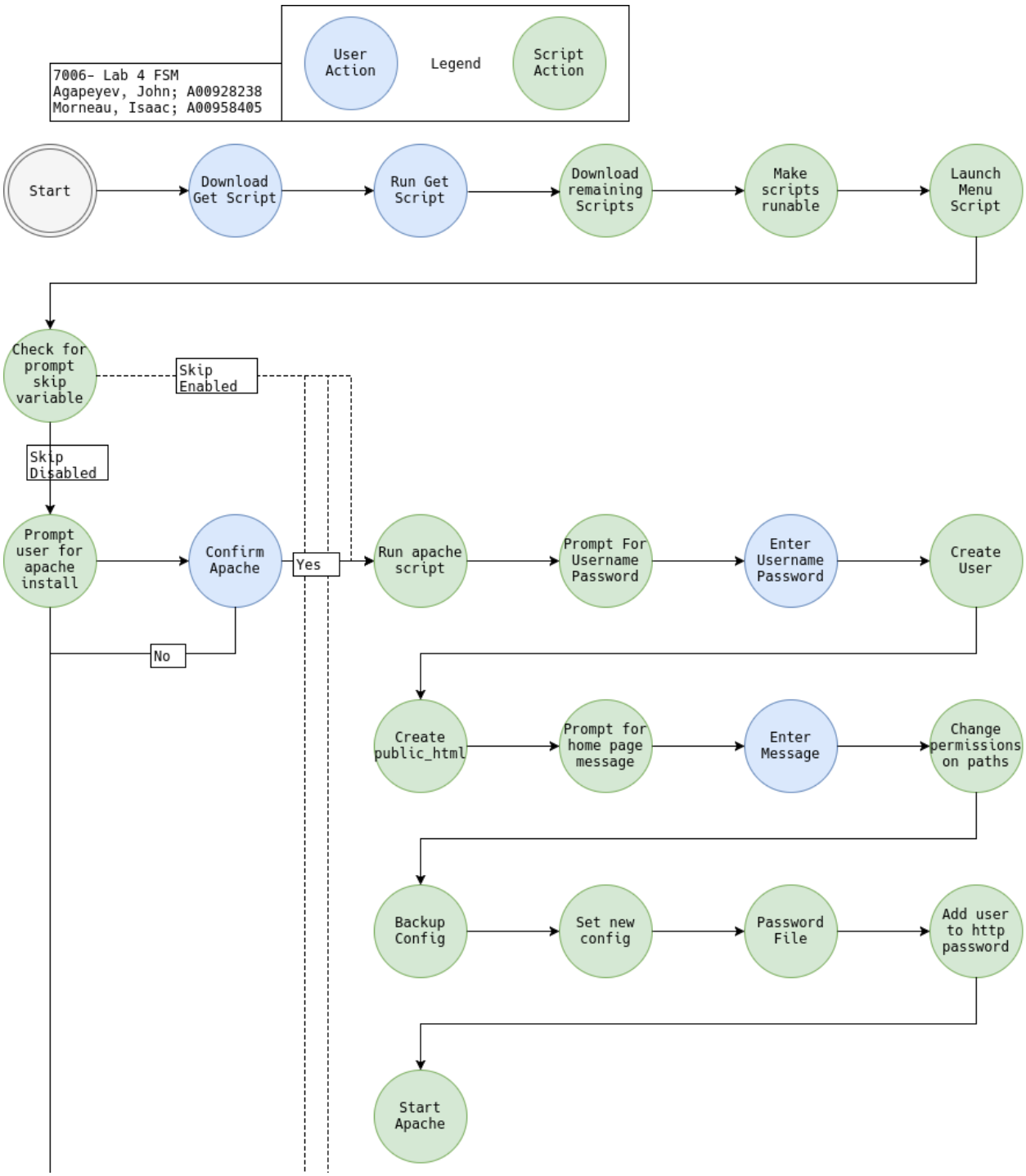
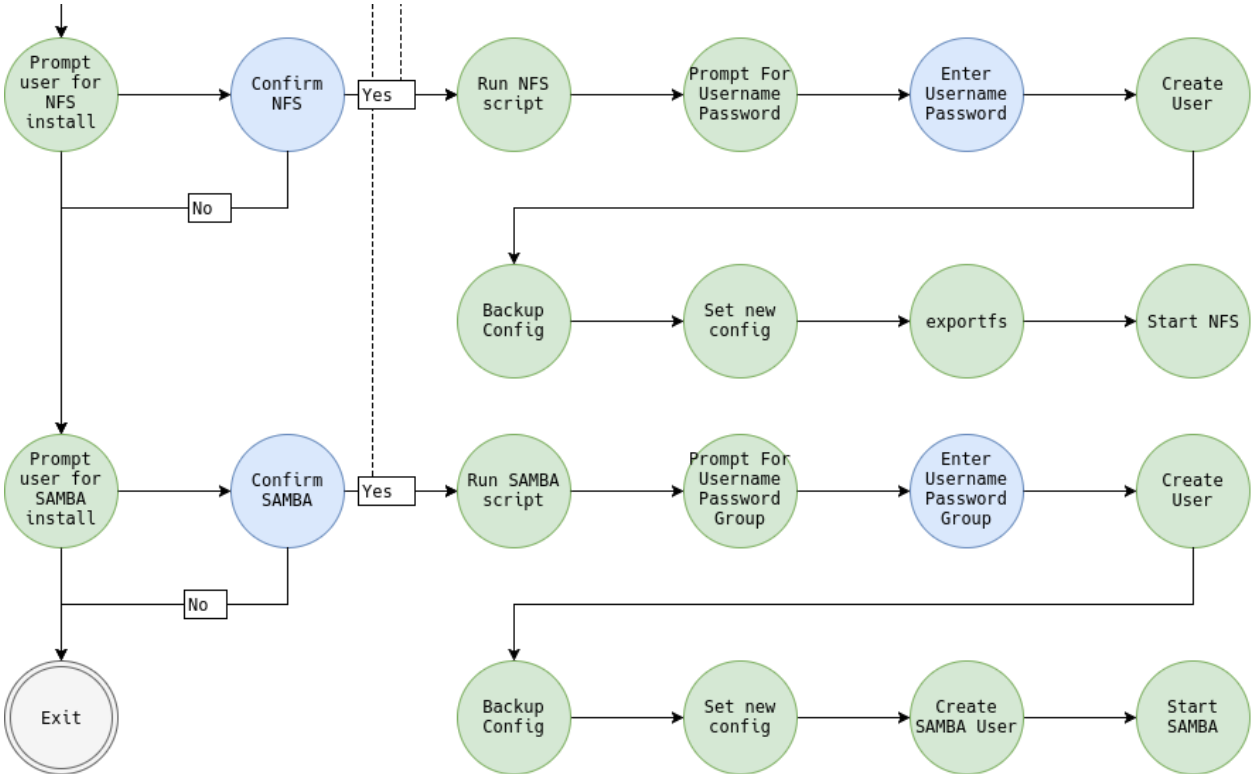
Finite State Machine of Steps:





Usage And Testing

Prerequisite

All that is needed for getting started is to curl the get.sh script
`curl https://raw.githubusercontent.com/isaacmorneau/7006-final-script/master/get.sh > get.sh`
Ensure the script is executable with
`chmod 777 get.sh`

Installation of Apache

To begin run the get.sh and it will get the remaining required files.

Step 1

Run `./get.sh`.

Step 2

Enter `y` when prompted to install apache.

Step 3

When prompted, enter your desired username. For this example we will enter `john`.

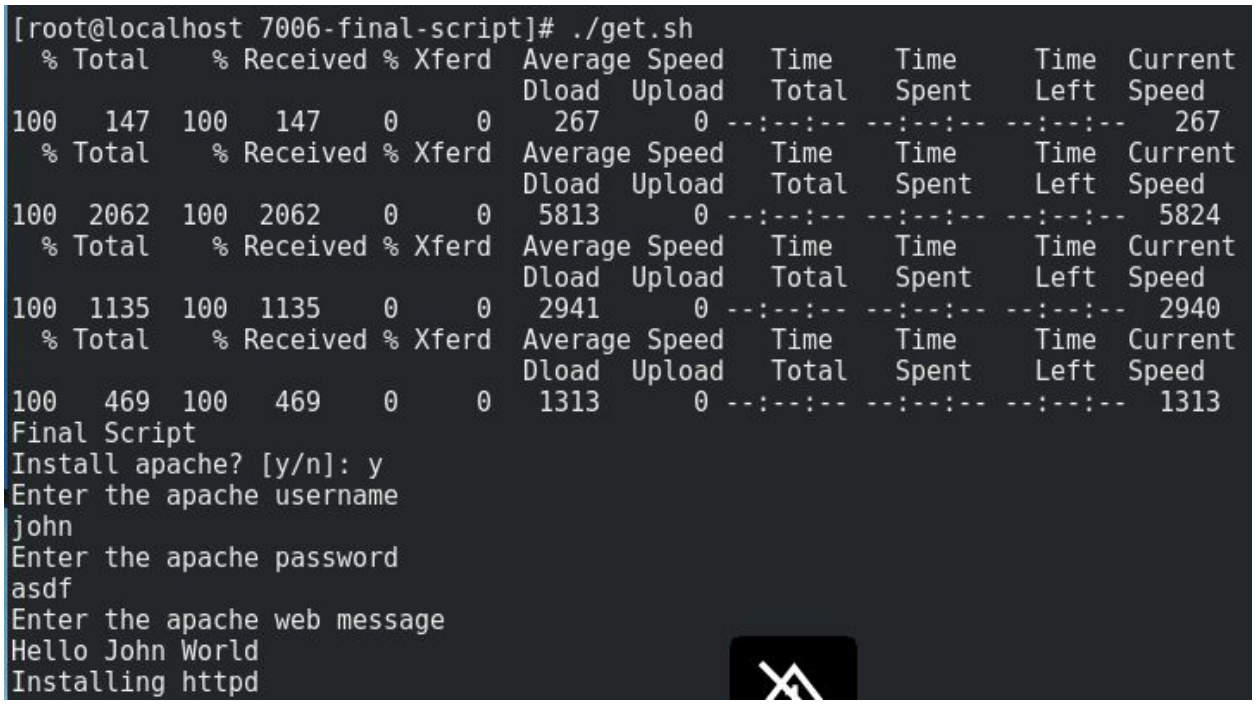
Step 4

When prompted, enter your desired password. For this example we will enter `asdf`.

Step 5

When prompted, enter your desired message. For this example we will enter `Hello John World`.

Expected Result



Error Handling

If an incorrect character is entered at a yes no prompt it will continue reprompting until a correct character is received.

Example

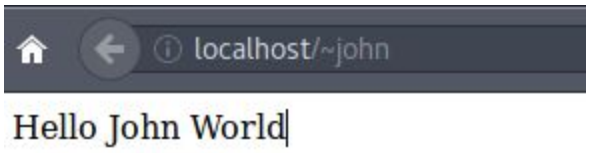
```
[root@localhost 7006-final-script]# ./menu.sh
Final Script
Install apache? [y/n]: r
Install apache? [y/n]: q
Install apache? [y/n]: b
Install apache? [y/n]: y
Enter the apache username
```

Expected Result

Once the three pieces of information are provided from steps 3,4, and 5 the rest of the installation will complete on its own.

```
Last metadata expiration check: 0:07:51 ago on Mon 16 Oct 2017 05:41:21 PM PDT.
Package httpd-2.4.25-8.fc26.x86_64 is already installed, skipping.
Dependencies resolved.
Nothing to do.
Complete!
adding user:john
useradd: warning: the home directory already exists.
Not copying any file from skel directory into it.
Creating mailbox file: File exists
Creating public_html
mkdir: cannot create directory ‘/home/john/public_html’: File exists
Adding basic html file
Chmod 777'ing all the myUser folders/files
Backing up userdir.conf to home directory
Writing config to /etc/httpd/conf.d/userdir.conf
Creating html passwords file
mkdir: cannot create directory ‘/var/www/html/passwords’: File exists
Chmod 777'ing passwords file
Getting website password
New password:
Re-type new password:
Adding password for user john
```

Final Result of Apache Install



Installation of NFS

Step 1

Running either `./get.sh` or `./menu.sh` if get.sh was already run will provide you with a prompt for nfs. Enter

Step 2

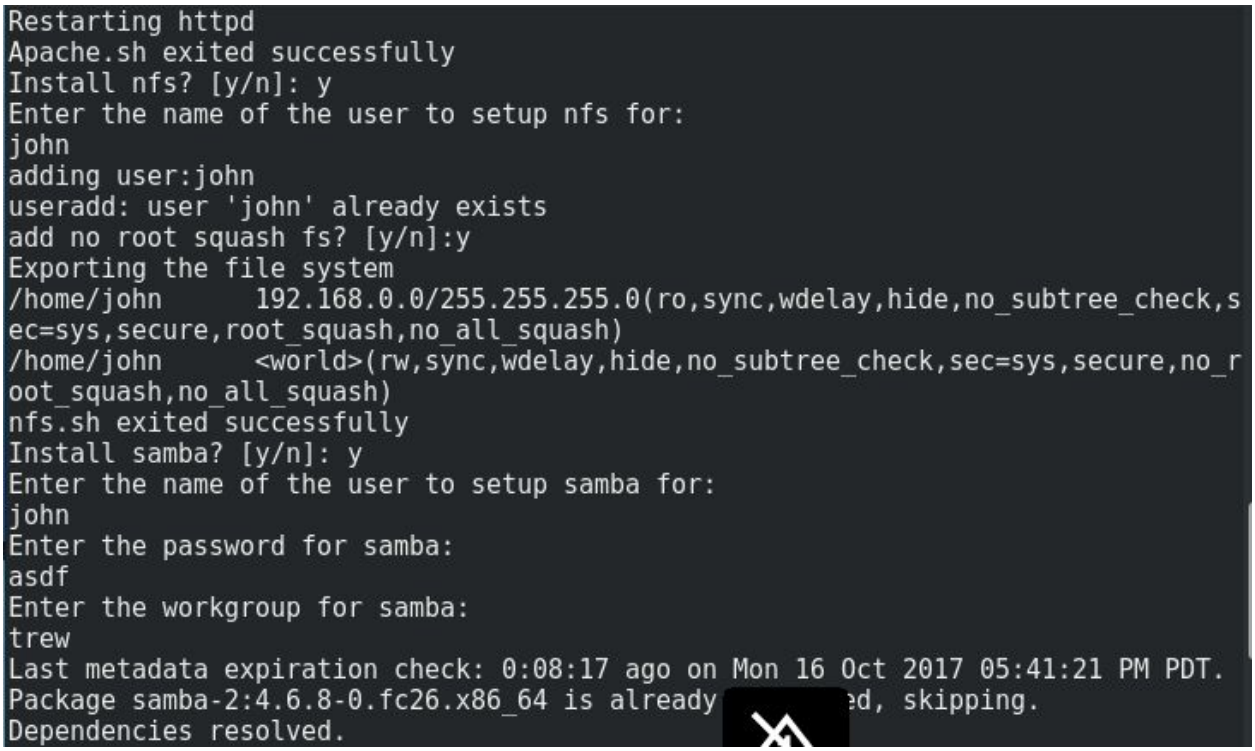
When prompted, enter your desired username. For this example we will enter `john`.

Step 3

When prompted, enter your desired password. For this example we will enter `asdf`.

Expected Output

Once the three pieces of information are provided from steps 2, and 3 the rest of the installation will complete on its own.



Installation of SAMBA

Step 1

Running either `./get.sh` or `./menu.sh` if get.sh was already run will provide you with a prompt for nfs. Enter

Step 2

When prompted, enter your desired username. For this example we will enter `john`.

Step 3

When prompted, enter your desired password. For this example we will enter `asdf`.

Step 4

When prompted, enter your desired workgroup. For this example we will enter `trew`.

Expected Output

```
nfs.sh exited successfully
Install samba? [y/n]: y
Enter the name of the user to setup samba for:
john
Enter the password for samba:
asdf
Enter the workgroup for samba:
trew
Last metadata expiration check: 0:08:17 ago on Mon 16 Oct 2017 05:41:21 PM PDT.
Package samba-2:4.6.8-0.fc26.x86_64 is already installed, skipping.
Dependencies resolved.
Nothing to do.
Complete!
New SMB password:
Retype new SMB password:
Mismatch - password unchanged.
Unable to get new password.
samba.sh exited successfully
[root@localhost 7006-final-script]# smbpasswd -a john
New SMB password:
Retype new SMB password:
Added user john.
[root@localhost 7006-final-script]#
```

Additional Installation options

Once get.sh has been run once, the installation prompt is able to be skipped.
Running `menu.sh skip` will not prompt for each package and instead only ask for required information

Example output

```
[root@localhost 7006-final-script]# ./menu.sh skip
Final Script
Skip Prompt Enabled
Enter the apache username
```