

Lab 4

Design

This script functions as an automation of lab assignments. So far the 3rd lab has been automated, but the script was designed in a way to allow more.

The folder structure is:

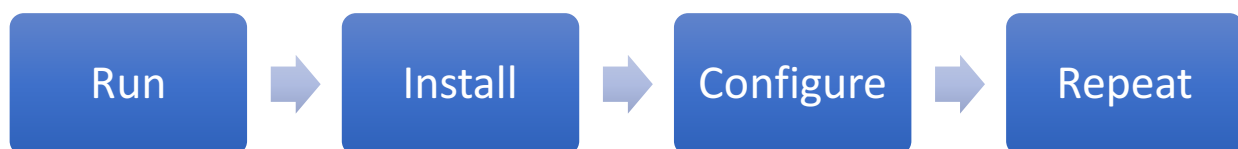
- Root
 - Install.sh
 - script.conf
 - Configure
 - Scripts for configuring installations
 - Install
 - Install scripts for installations

The script.conf file contains all the settings the user can configure when using the script. Each component that will be installed has a section that includes a flag to toggle whether or not that component should be installed and all the other variables required.

For example:

```
#####  
# User - If not creating, must be valid user  
#####  
createuser=false  
user='lab3PTS'
```

createuser is the on/off flag, and the user variable is the user to be used in the script.



The basic flow of the script is install a component, configure it, move on to the next component.

Testing

Test Case	What is being tested	Steps to test	Results
1	Create a user using the script	<ol style="list-style-type: none">1) Set the createuser flag to true in script.conf2) Run the script3) Verify the user has been created	Pass
2	Install NFS using the script	<ol style="list-style-type: none">1) Set the nfsinstall flag to true2) Configure the rest of the settings to valid settings3) Run the script4) Verify NFS is configured and installed5) Access NFS from a different computer	Pass
3	Install SAMBA using the script	<ol style="list-style-type: none">6) Set the smbinstall flag to true7) Configure the rest of the settings to have valid values, including the NFSshare portion8) Run the script9) Verify SMB is running and properly configured	Pass