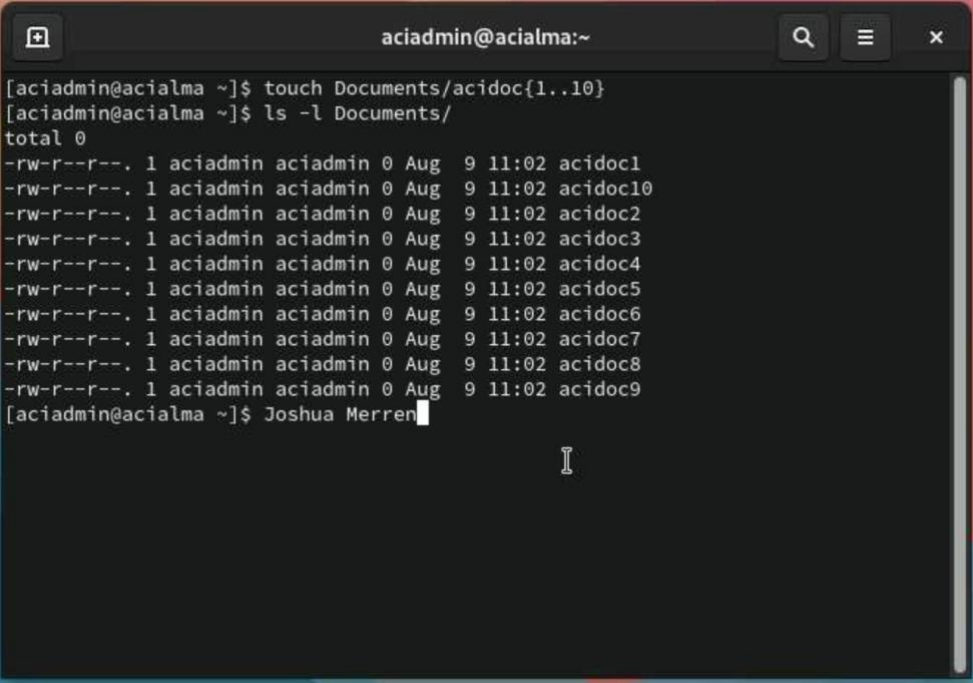
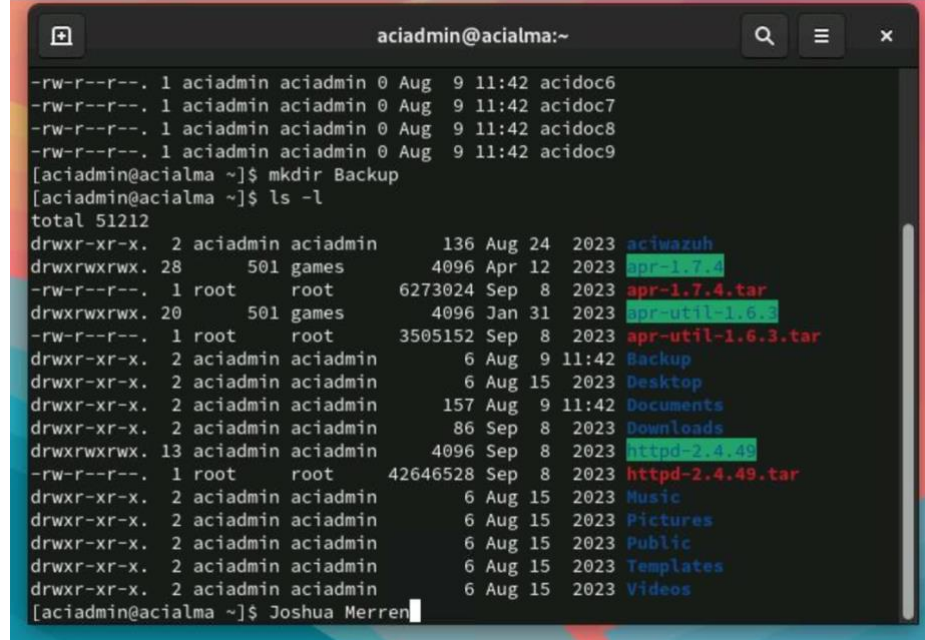


## CYB 300 Module Six Practice Lab Worksheet

Complete this worksheet by replacing the bracketed phrases in the Response column with the relevant information. For all screenshots, include your name in the command line.

### Lab: Implementation of Automation and Orchestration for Security Operations

#### Exercise 1: Creating Automation Scripts

Prompt	Response
<p>Task 1: Create a Linux Automation Script:</p> <p>Provide a screenshot of <b>Step 3</b> showing the creation of 10 text files in the Documents folder. Add your name in the command line.</p>	 <pre> aciadmin@acialma:~\$ touch Documents/acidoc{1..10} aciadmin@acialma ~\$ ls -l Documents/ total 0 -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:02 acidoc1 -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:02 acidoc10 -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:02 acidoc2 -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:02 acidoc3 -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:02 acidoc4 -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:02 acidoc5 -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:02 acidoc6 -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:02 acidoc7 -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:02 acidoc8 -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:02 acidoc9 aciadmin@acialma ~\$ Joshua Merren </pre>
<p>Task 1: Create a Linux Automation Script:</p> <p>Provide a screenshot of <b>Step 5</b> showing the required command to list the user's home folder content. Add your name in the command line.</p>	 <pre> -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:42 acidoc6 -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:42 acidoc7 -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:42 acidoc8 -rw-r--r--. 1 aciadmin aciadmin 0 Aug  9 11:42 acidoc9 aciadmin@acialma ~\$ mkdir Backup aciadmin@acialma ~\$ ls -l total 51212 drwxr-xr-x. 2 aciadmin aciadmin 136 Aug 24 2023 aciwasuh drwxrwxrwx. 28 501 games 4096 Apr 12 2023 apr-1.7.4 -rw-r--r--. 1 root root 6273024 Sep  8 2023 apr-1.7.4.tar drwxrwxrwx. 20 501 games 4096 Jan 31 2023 apr-util-1.6.3 -rw-r--r--. 1 root root 3505152 Sep  8 2023 apr-util-1.6.3.tar drwxr-xr-x. 2 aciadmin aciadmin 6 Aug  9 11:42 Backup drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 15 2023 Desktop drwxr-xr-x. 2 aciadmin aciadmin 157 Aug  9 11:42 Documents drwxr-xr-x. 2 aciadmin aciadmin 86 Sep  8 2023 Downloads drwxrwxrwx. 13 aciadmin aciadmin 4096 Sep  8 2023 httpd-2.4.49 -rw-r--r--. 1 root root 42646528 Sep  8 2023 httpd-2.4.49.tar drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 15 2023 Music drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 15 2023 Pictures drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 15 2023 Public drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 15 2023 Templates drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 15 2023 Videos aciadmin@acialma ~\$ Joshua Merren </pre>

Task 1: Create a Linux Automation Script:  
Provide a screenshot of **Step 13** showing the command displays the properties of the created script file. Add your name in the command line.

```
aciadmin@acialma:~$ ls -l
total 51212
drwxr-xr-x. 2 aciadmin aciadmin 136 Aug 24 2023 aciwazuh
drwxrwxrwx. 28 501 games 4096 Apr 12 2023 apr-1.7.4
-rw-r--r--. 1 root root 6273024 Sep 8 2023 apr-1.7.4.tar
drwxrwxrwx. 20 501 games 4096 Jan 31 2023 apr-util-1.6.3
-rw-r--r--. 1 root root 3505152 Sep 8 2023 apr-util-1.6.3.tar
drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 9 11:04 Backup
drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 15 2023 Desktop
drwxr-xr-x. 2 aciadmin aciadmin 157 Aug 9 11:02 Documents
drwxr-xr-x. 2 aciadmin aciadmin 86 Sep 8 2023 Downloads
drwxrwxrwx. 13 aciadmin aciadmin 4096 Sep 8 2023 httpd-2.4.49
-rw-r--r--. 1 root root 42646528 Sep 8 2023 httpd-2.4.49.tar
drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 15 2023 Music
drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 15 2023 Pictures
drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 15 2023 Public
drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 15 2023 Templates
drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 15 2023 Videos
aciadmin@acialma ~]$ touch acibackup.sh
aciadmin@acialma ~]$ vim acibackup.sh
aciadmin@acialma ~]$ chmod +x acibackup.sh
aciadmin@acialma ~]$ ls -l acibackup.sh
-rwxr-xr-x. 1 aciadmin aciadmin 82 Aug 9 11:11 acibackup.sh
aciadmin@acialma ~]$ Joshua Merren
```

Task 3: Creating Users Using a Script: Provide a screenshot of **Step 11** the user "Subi" being successfully created using the PowerShell script in the Active Directory Users and Computers. Bring the Administrator: Windows PowerShell window in front of the Active Directory Users and Computers and add your name in the command line.

```
Administrator: Windows PowerShell
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PowerShellLatest

PS C:\Users\Administrator> New-ADOrganizationUnit -Name Marketing -Path "DC=ACIPLAB,DC=COM"
New-ADOrganizationUnit : The term 'New-ADOrganizationUnit' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was specified, verify that the path is correct and try again.
At line:1 char:1
+ New-ADOrganizationUnit -Name Marketing -Path "DC=ACIPLAB,DC=COM"
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (New-ADOrganizationUnit:Stri
+ FullyQualifiedErrorId : CommandNotFoundException

PS C:\Users\Administrator> New-ADOrganizationUnit -Name Marketing -Path "
PS C:\Users\Administrator> notepad.exe createuser.ps1
PS C:\Users\Administrator> .\createuser.ps1
Enter Name: Subi
Enter Given Name : Subi
Enter Surname: p
Enter SamAccountName: Subi.p
Enter UPN eg @acilab.com: subi.p@aciplab.com
Enter Secure Password: *****
PS C:\Users\Administrator> Joshua Merren
```