

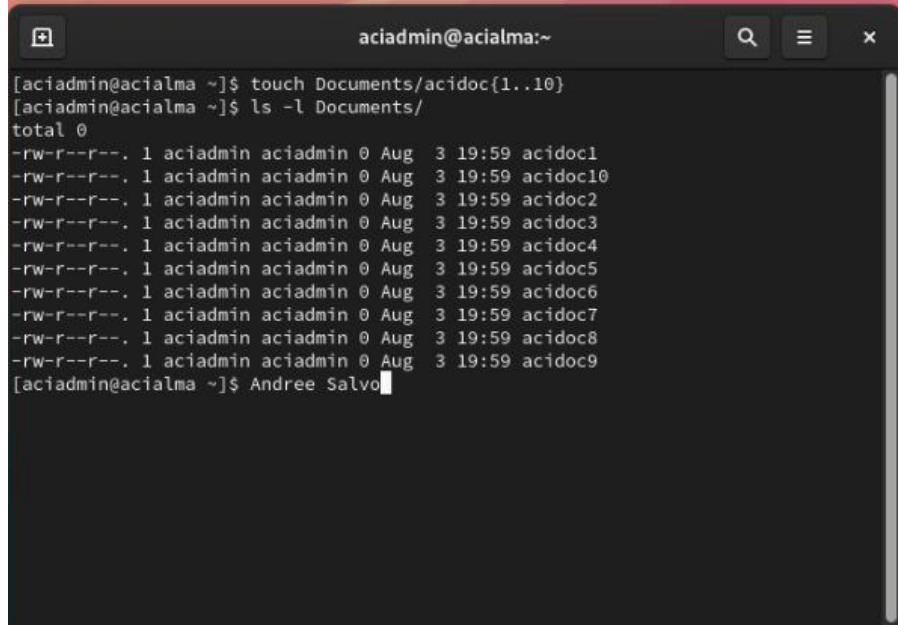
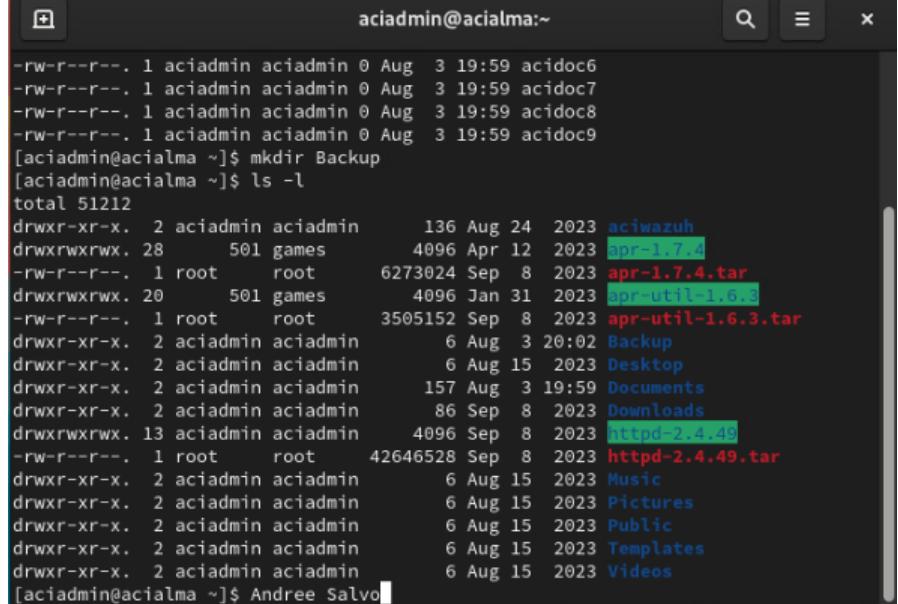


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6-2 Lab Worksheet
Instructor: Jason Keltner



Lab: Implementation of Automation and Orchestration for Security Operations

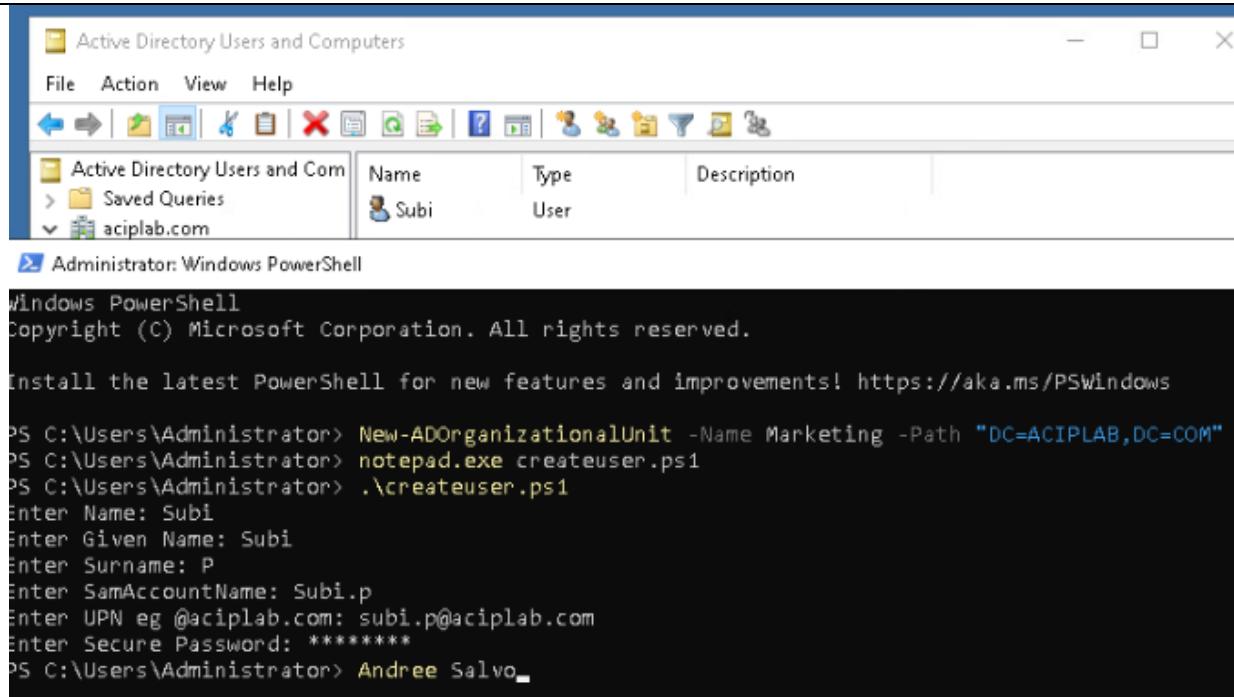
Exercise 1: Creating Automation Scripts

Prompt	Response
<p>Task 1: Create a Linux Automation Script: Provide a screenshot of Step 3 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 3 19:59 acidoc1 -rw-r--r--. 1 aciadmin aciadmin 0 Aug 3 19:59 acidoc10 -rw-r--r--. 1 aciadmin aciadmin 0 Aug 3 19:59 acidoc2 -rw-r--r--. 1 aciadmin aciadmin 0 Aug 3 19:59 acidoc3 -rw-r--r--. 1 aciadmin aciadmin 0 Aug 3 19:59 acidoc4 -rw-r--r--. 1 aciadmin aciadmin 0 Aug 3 19:59 acidoc5 -rw-r--r--. 1 aciadmin aciadmin 0 Aug 3 19:59 acidoc6 -rw-r--r--. 1 aciadmin aciadmin 0 Aug 3 19:59 acidoc7 -rw-r--r--. 1 aciadmin aciadmin 0 Aug 3 19:59 acidoc8 -rw-r--r--. 1 aciadmin aciadmin 0 Aug 3 19:59 acidoc9 [aciadmin@acialma ~]\$ Andree Salvo</pre>
<p>Task 1: Create a Linux Automation Script: Provide a screenshot of Step 5 showing the required command to list the user's home folder content. Add your name in the command line.</p>	 <pre>[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 3 20:02 Backup drwxr-xr-x. 2 aciadmin aciadmin 6 Aug 15 2023 Desktop drwxr-xr-x. 2 aciadmin aciadmin 157 Aug 3 19:59 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 ~]\$ Andree Salvo</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  3 20:02 Backup
drwxr-xr-x. 2 aciadmin aciadmin      6 Aug 15 2023 Desktop
drwxr-xr-x. 2 aciadmin aciadmin     157 Aug  3 19:59 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 81 Aug  3 20:05 acibackup.sh
[aciadmin@acialma ~]$ Andree Salvo
```

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.



The screenshot shows two windows side-by-side. On the left is the 'Active Directory Users and Computers' management console. It has a navigation pane on the left with 'Active Directory Users and Computers', 'Saved Queries', and 'aciplab.com'. The main pane displays a table with columns 'Name', 'Type', and 'Description'. One row is selected, showing 'Subi' in the Name column, 'User' in the Type column, and 'aciplab.com' in the Description column. On the right is a 'Windows PowerShell' window titled 'Administrator: Windows PowerShell'. The command history shows the execution of a PowerShell script to create a new user named 'Subi'. The user was created successfully, and the command PS C:\Users\Administrator> Andree Salvo is visible at the bottom.

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

PS C:\Users\Administrator> New-ADOrganizationalUnit -Name Marketing -Path "DC=ACIPLAB,DC=COM"
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 @aciplab.com: subi.p@aciplab.com
Enter Secure Password: *****
PS C:\Users\Administrator> Andree Salvo
```