

CYB 300 Milestone One Worksheet

For each required script element, a command is given that will display the results of the script. Use this validation command as the source for your screenshot. Complete this worksheet by replacing the bracketed phrases in the Bash Script Statement and Screenshot columns with the relevant information.



Required Script Element	Bash Script Statement	Screenshot
Change time zone to Pacific/Tahiti Time	Sudo timedatectl set-timezone Pacific/Tahiti	Validation command: timedatectl Terminal - student@xubuntu:~ File Edit View Terminal Tabs Help Student@xubuntu:-\$ sudo timedatectl set-timezone Pacific/Tahiti [sudo] password for student: student@xubuntu:-\$ timedatectl Local time: Tue 2024-07-16 10:12:19 -10 Universal time: Tue 2024-07-16 20:12:19 UTC RTC time: Tue 2024-07-16 20:12:19 Time zone: Pacific/Tahiti (-10, -1000) System clock synchronized: yes NTP service: active RTC in local TZ: no student@xubuntu:-\$ Joshua Merren
Set date/time to 6:00 a.m. on March 1 of this year	sudo timedateectl set-time '2024-03-01 06:00:00'	Validation command: timedatectl Terminal - student@xubuntu: ~ - + × File Edit View Terminal Tabs Help sudo: timedatectle: command not found student@xubuntu: -\$ sudo dateset "01 MARCH 2024 6:00 AM" Fri Mar 1 06:00:00 AM -10 2024 student@xubuntu: -\$ timedatectl Local time: Tue 2024-07-16 10:26:04 -10 Universal time: Tue 2024-07-16 20:26:04 UTC RTC time: Tue 2024-07-16 20:26:04 Time zone: Pacific/Tahiti (-10, -1000) System clock synchronized: yes NTP service: active RTC in local TZ: no student@xubuntu: -\$ sudo timedatectl set-time '2024-03-01 06:00:00' Failed to set time: Automatic time synchronization is enabled student@xubuntu: -\$ sudo timedatectl set-time '2024-03-01 06:00:00' Failed to set time: Automatic time synchronization is enabled student@xubuntu: -\$ sudo timedatectl set-time '2024-03-01 06:00:00' student@xubuntu: -\$ sudo timedatectl set-time '2024-03-01 06:00:00' student@xubuntu: -\$ sudo timedatectl set-time '2024-03-01 06:00:00' Universal time: Fri 2024-03-01 16:00:09 UTC RTC time: Fri 2024-03-01 16:00:10 Time zone: Pacific/Tahiti (-10, -1000) System clock synchronized: no NTP service: inactive RTC in local TZ: no student@xubuntu: -\$ joshua merren



Create a new user group called CYB300	sudo groupadd CYB300	Validation command: getent group CYB300 Terminal - student@xubuntu: ~ File Edit View Terminal Tabs Help student@xubuntu: - \$ timedatectl Local time: Tue 2024-07-16 10:26:04 -10 Universal time: Tue 2024-07-16 20:26:04 UTC RTC time: Tue 2024-07-16 20:26:04 Time zone: Pacific/Tahiti (-10, -1000) System clock synchronized: yes NTP service: active RTC in local TZ: no student@xubuntu: - \$ sudo timedatectl set-time '2024-03-01 06:00:00' Failed to set time: Automatic time synchronization is enabled student@xubuntu: - \$ timedatectl set-ntp 0 student@xubuntu: - \$ sudo timedatectl set-time '2024-03-01 06:00:00' student@xubuntu: - \$ timedatectl Local time: Fri 2024-03-01 06:00:09 -10 Universal time: Fri 2024-03-01 16:00:09 RTC time: Fri 2024-03-01 16:00:10 Time zone: Pacific/Tahiti (-10, -1000) System clock synchronized: no NTP service: inactive RTC in local TZ: no student@xubuntu: - \$ sudo groupadd CYB300 student@xubuntu: - \$ sudo groupadd CYB300 student@xubuntu: - \$ joshua merren
Create a new local user with the following parameters: • Username: First-Name- Last-Name • Password: Password1 23 • Member of CYB300 group	sudo useradd -m -s /bin/bash -p \$(openssl passwd -1 Password123) -G CYB300 First-Name-Last-Name	Validation command: id username Terminal -student@xubuntu:- File Edit View Terminal Tabs Help student@xubuntu:-\$ sudo dateset "01 MARCH 2024 6:00 AM" Fri Mar 1 06:00:00 AM -10 2024 student@xubuntu:-\$ timedatectl Local time: Tue 2024-07-16 10:26:04 -10 Universal time: Tue 2024-07-16 20:26:04 UTC RTC time: Tue 2024-07-16 20:26:04 Time zone: Pacific/Tahiti (-10, -1000) System clock synchronized: yes NTP service: active RTC in local TZ: no student@xubuntu:-\$ sudo timedatectl set-time '2024-03-01 06:00:00' Failed to set time: Automatic time synchronization is enabled student@xubuntu:-\$ sudo timedatectl set-rip 0 student@xubuntu:-\$ sudo timedatectl set-rip 0 student@xubuntu:-\$ sudo timedatectl set-time '2024-03-01 06:00:00' student@xubuntu:-\$ sudo timedatectl set-time '2024-03-01 06:00:00' student@xubuntu:-\$ timedatectl Local time: Fri 2024-03-01 16:00:09 -10 Universal time: Fri 2024-03-01 16:00:00 RTC time: Fri 2024-03-01 16:00:10 Time zone: Pacific/Tahiti (-10, -1000) System clock synchronized: no NTP service: inactive RTC in local TZ: no student@xubuntu:-\$ sudo groupadd CYB300 student@xubuntu:-\$ sudo groupadd CYB300 cYB300:x:1001: student@xubuntu:-\$ sudo useradd -m -s /bin/bash -p \$(openssl passwd -1 Password123) -G CYB shua-Merren student@xubuntu:-\$ sudo useradd -m -s /bin/bash -p \$(openssl passwd -1 Password123) -G CYB shua-Merren student@xubuntu:-\$ id Joshua-Merren uid=1001/Joshua-Merren) gid=1002(Joshua-Merren) groups=1002(Joshua-Merren),1001(CYB300) student@xubuntu:-\$



ps -e | grep n >Display a list of Validation command: cat n_processes.txt running processes n Services.txt Terminal - student@xubuntu: beginning with "n" File Edit View Terminal Tabs Help and send them to a LOAD = Reflects whether the unit definition was properly loaded.

ACTIVE = The high-level unit activation state, i.e. generalization of SUB.

SUB = The low-level unit activation state, values depend on unit type.

130 loaded units listed. text file named "n Services.txt" 130 loaded units listed.

To show all installed unit files use 'systemctl list-unit-files'.

student@xubuntu:~\$ ps aux | grep "^n" > n_Services.txt

student@xubuntu:~\$ cat n_Services.txt

student@xubuntu:~\$ less n-Services.txt

n-Services.txt: No such file or directory

student@xubuntu:~\$ less n_Services.txt

student@xubuntu:~\$ student@xubuntu:~ student@xubuntu:~\$ Get-Service n* >n_service.txt
Get-Service: command not found student@xubuntu:~\$ ls sktop Downloads n_Services.txt Pictures Templates Documents Music n_services.txt Pictures Templates
Documents Music n_service.txt Public Videos
student@xubuntu:~\$ ps -e | grep *n > n_Services.txt
student@xubuntu:~\$ ps -e | grep *n > n_Services.txt
student@xubuntu:~\$ ps aux | awk '\$11 ~ /^n/' > n_Services.txt
student@xubuntu:~\$ cat n_Services.txt
student@xubuntu:~\$ cat n_Forcess.txt
student@xubuntu:~\$ cat n_Processes.txt
cat: n_Processes.txt: No such file or directory
student@xubuntu:~\$ cat n_processes.txt
cat: n_processes.txt: No such file or directory
student@xubuntu:~\$ cat n_Services.txt
student@xubuntu:~\$ cat n_Services.txt
student 1522 0.0 0.8 427592 32064 ? Sl 05:33
student@xubuntu:~\$ joshua merren Sl 05:33 0:00 nm-applet Sl 05:33 0:00 nm-applet history > **Export Bash history** Validation command: cat to text file named CYB 300 History Firstna CYB_300_History_Firstname_Lastname.txt "CYB 300 History me Lastname.txt Terminal - student@xubuntu: ~ Firstname_Lastnam Edit View Terminal Tabs Help File e.txt" sudo date -s "2024-03-01 06:00:00' date 15 timedatectl sudo date -s "2024-03-01 06:00:00" 17 timedatectl 18 sudo timedatectle set-date "2024-03-01 06:00:00" 19 sudo date --set "01 MARCH 2024 6:00 AM" 22 timedatectl set-ntp 0 23 sudo timedatectl set-time '2024-03-01 06:00:00' 24 timedatectl 26 getent group CYB300 27 sudo useradd -m -s /bin/bash -p \$(openssl passwd -1 Password123) -G 28 id Joshua-Merren 29 ps -e | grep ^n > n_Services.txt 30 cat n_Services.txt 33 systemctl list-units --type=services --all
34 systemctl list-units --type=service --all
35 ps aux | grep "^n" > n_Services.txt cat n_Services.txt less n Services.txt 41 ps -e | grep *n > n_Services.txt 42 ps -e | grep ^n > n_Services.txt 43 ps aux | awk '\$11 ~ /^n/' > n_Services.txt 44 cat n_Services.txt 45 cat n_Processes.txt 48 history > CYB_300_History_Joshua_Merren.txt student@xubuntu:~\$ ■



Single executable script -

```
Terminal-student@xubuntu:~ - + ×

File Edit View Terminal Tabs Help

student@xubuntu:~$ nano create_baseline.sh
student@xubuntu:~$ cat create_baseline.sh
#!/bin/bash
sudo timedatectl set-timezone Pacific/Tahiti
sudo date -s "2024-03-01 06:00:00"
sudo useradd -m -s /bin/bash -p $(openssl passwd -1 Password123) -G CYB300 Joshua-Merren
ps -e | grep ^n > n Services.txt
history > CYB_300 History_Joshua_Merren.txt

student@xubuntu:~$ 

### Terminal-student@xubuntu:~$ 

### Terminal-s
```