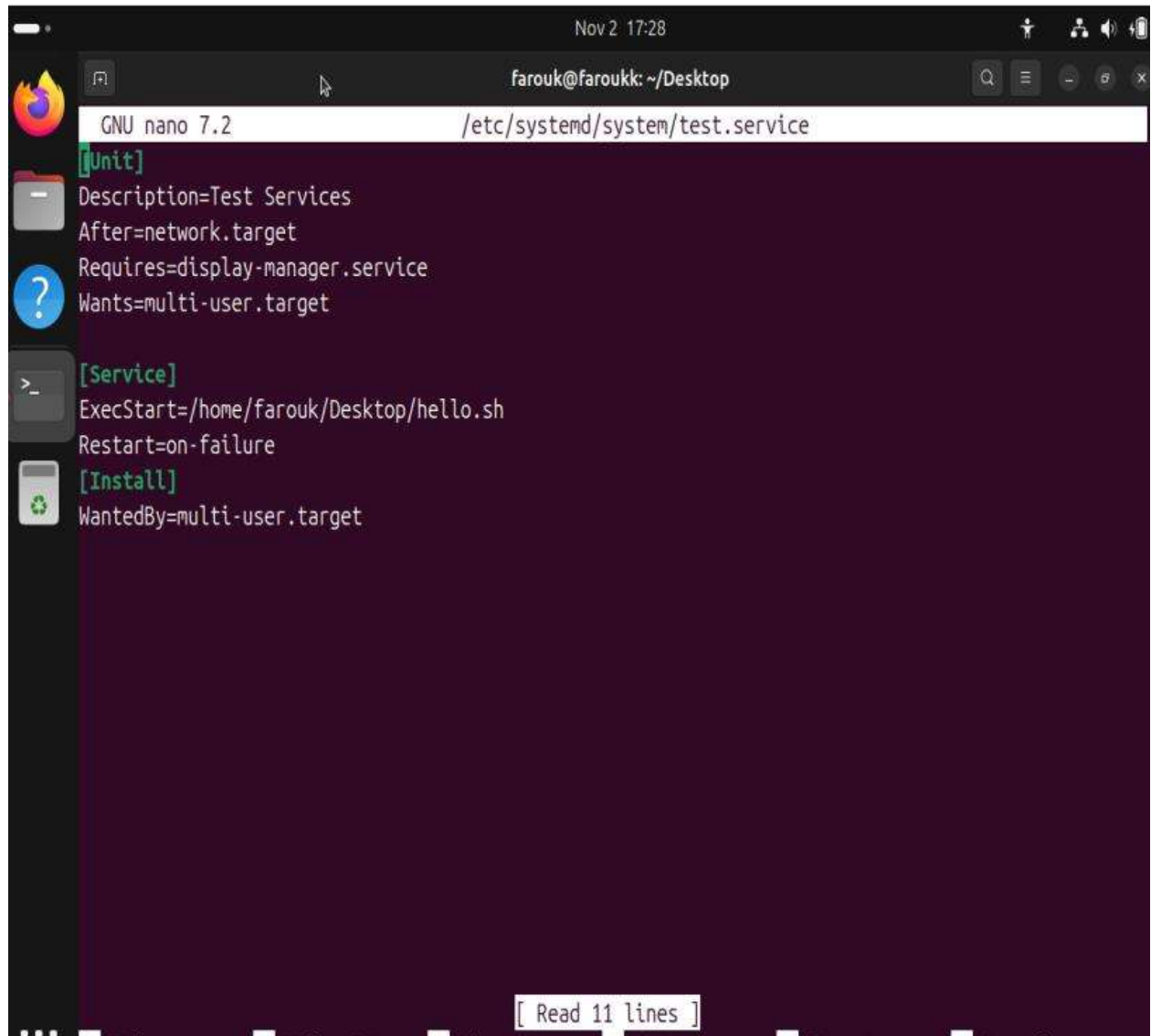


Compte Rendu Tp systemd

Farouk Benderouiche

1.2.



The screenshot shows a terminal window with a dark theme. At the top, the title bar indicates the date and time as 'Nov 2 17:28'. Below the title bar, the terminal shows the user 'farouk@faroukk' in the directory '~/Desktop'. The GNU nano 7.2 text editor is open, editing the file '/etc/systemd/system/test.service'. The editor's left sidebar contains icons for file explorer, help, and terminal. The main editing area shows the following configuration for the service file:

```
[Unit]
Description=Test Services
After=network.target
Requires=display-manager.service
Wants=multi-user.target

[Service]
ExecStart=/home/farouk/Desktop/hello.sh
Restart=on-failure

[Install]
WantedBy=multi-user.target
```

At the bottom of the terminal window, a status bar indicates '[Read 11 lines]'.

4.

```
Open  hello.sh  Save  -  x
~/Desktop
1 #!/bin/bash
2 echo -e "Hello evrybody,we will give you some information about os : "
3
4 n=$(ls /etc/grub.d | wc -l)
5 echo "Number of GRUB2 script templates :$n" >> /tmp/test.txt
6
7 m=$(grep menuentry /boot/grub/grub.cfg | wc -l)
8 echo "Nubr of menuentry GRUB2 $m" >> /tmp/test.txt
9
10 k=$(ps aux | wc -l)
11
12 echo "number of runnig processes $k " >> /tmp/test.twt
13 pwd
```

Loading file "~/Desktop/hello.sh"...

sh Tab Width: 8 Ln 13, Col 4 INS

5./6./7./8.

```
removed /etc/systemd/system/multi-user.target.wants/test.service .
farouk@faroukk:~/Desktop$ sudo systemctl daemon-reload
farouk@faroukk:~/Desktop$ sudo systemctl start test.service
farouk@faroukk:~/Desktop$ sudo systemctl enable test.service
Created symlink /etc/systemd/system/multi-user.target.wants/test.service → /etc/systemd/system/test.service.
farouk@faroukk:~/Desktop$ sudo systemctl status test.service
○ test.service - Test Services
   Loaded: loaded (/etc/systemd/system/test.service; enabled; preset: enabled)
   Active: inactive (dead)

Nov 02 17:34:53 faroukk hello.sh[4232]: number of runnig processes 190
Nov 02 17:34:53 faroukk systemd[1]: test.service: Deactivated successfully.
Nov 02 17:36:00 faroukk systemd[1]: Started test.service - Test Services.
Nov 02 17:36:00 faroukk hello.sh[4328]: Hello evrybody,we will give you some information about os>
Nov 02 17:36:00 faroukk hello.sh[4336]: grep: /boot/grub2/grub.cfg: No such file or directory
Nov 02 17:36:00 faroukk hello.sh[4328]: /
Nov 02 17:36:00 faroukk hello.sh[4328]: Number of GRUB2 script templates :14
Nov 02 17:36:00 faroukk hello.sh[4328]: Nubr of menuentry GRUB2 0
Nov 02 17:36:00 faroukk hello.sh[4328]: number of runnig processes 192
Nov 02 17:36:00 faroukk systemd[1]: test.service: Deactivated successfully.
lines 1-14/14 (END)
```

```
ubuntu (Snapshot 1) [Running] - Oracle VM VirtualBox
Nov 3 13:23
farouk@farouk: ~/Desktop
test.service - Test Services
  Loaded: loaded (/etc/systemd/system/test.service; enabled; preset: enable>
  Active: inactive (dead) since Sun 2024-11-03 13:22:27 CET; 11s ago
  Duration: 34ms
  Process: 3166 ExecStart=/home/farouk/Desktop/hello.sh (code=exited, statu>
  Main PID: 3166 (code=exited, status=0/SUCCESS)
  CPU: 31ms

Nov 03 13:22:27 faroukk systemd[1]: Started test.service - Test Services.
Nov 03 13:22:27 faroukk hello.sh[3166]: Hello evrybody,we will give you some >
Nov 03 13:22:27 faroukk hello.sh[3166]: Number of GRUB2 script templates :14
Nov 03 13:22:27 faroukk hello.sh[3173]: grep: /boot/grub2/grub.cfg: No such f>
Nov 03 13:22:27 faroukk hello.sh[3166]: /home/farouk/Desktop/hello.sh: line 8>
Nov 03 13:22:27 faroukk hello.sh[3166]: /home/farouk/Desktop/hello.sh: line 1>
Nov 03 13:22:27 faroukk hello.sh[3166]: /
Nov 03 13:22:27 faroukk systemd[1]: test.service: Deactivated successfully.
~
~
~
~
~
~
~
lines 1-16/16 (END)
```

9.

```
17 * * * root cd / && run-parts --report /etc/cron.hourly
25 6 * * * root test -x /usr/sbin/anacron || { cd / && run-parts --report /etc/cron.daily>
27 6 * * 7 root test -x /usr/sbin/anacron || { cd / && run-parts --report /etc/cron.weekl>
52 6 1 * * root test -x /usr/sbin/anacron || { cd / && run-parts --report /etc/cron.month>
0 */2 * * 1,5 root systemctl start test.service > /var/log/test_service.log 2>&1
```