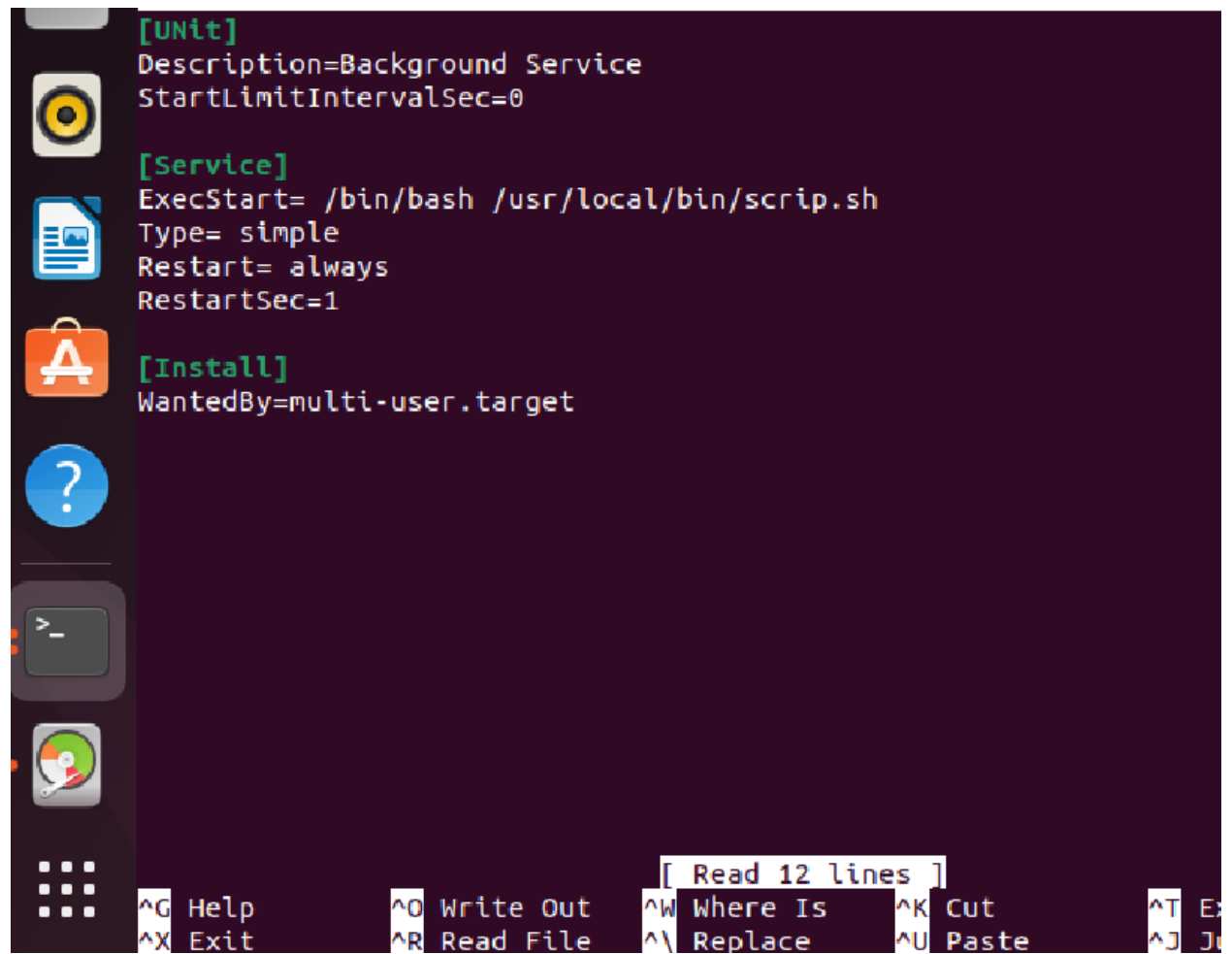


Lab 4

```
Activities Terminal Mar 2 00:31
vboxuser@linuxxx: /etc/systemd/system
vboxuser@linuxxx:~$ sudo cp scrip.sh /usr/local/bin
[sudo] password for vboxuser:
vboxuser@linuxxx:~$ cd /usr/local/bin
vboxuser@linuxxx:/usr/local/bin$ ls
scrip.sh  script.sh
```

```
Activities Terminal Mar 2 00:26
vboxuser@linuxxx: ~
GNU nano 6.2 scrip.sh
#!/bin/bash
while true
do
ls /var/log >> /tmp/list.log
sleep 5
done
```

```
vboxuser@linuxxx:/usr/local/bin$ sudo chmod +x scrip.sh
vboxuser@linuxxx:/usr/local/bin$ bash scrip.sh
^C
vboxuser@linuxxx:/usr/local/bin$ ls
scrip.sh  script.sh
vboxuser@linuxxx:/usr/local/bin$ cd ~
```



The image shows a terminal window with a dark purple background. On the left side, there is a vertical dock with several icons: a yellow circle with a black dot, a blue document icon, an orange shopping bag icon, a blue circle with a white question mark, a grey terminal icon, and a green circular icon with a white arrow. The main area of the terminal displays the following configuration:

```
[Unit]
Description=Background Service
StartLimitIntervalSec=0

[Service]
ExecStart= /bin/bash /usr/local/bin/scrip.sh
Type= simple
Restart= always
RestartSec=1

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

At the bottom of the terminal, a help menu is displayed with the following options:

^G Help	^O Write Out	^W Where Is	^K Cut	^T Ex
^X Exit	^R Read File	^\ Replace	^U Paste	^J Jo

A status bar at the bottom of the help menu shows "[Read 12 lines]".

```
Activities  Terminal  Mar 2 00:33  vboxuser@linuxxxx: /etc/systemd/system

vboxuser@linuxxxx:~$ cd /etc/systemd/system/
vboxuser@linuxxxx:/etc/systemd/system$ ls
bluetooth.target.wants
cloud-final.service.wants
dbus-fi.w1.wpa_supplicant1.service
dbus-org.bluez.service
dbus-org.freedesktop.Avahi.service
dbus-org.freedesktop.ModemManager1.service
dbus-org.freedesktop.nm-dispatcher.service
dbus-org.freedesktop.oom1.service
dbus-org.freedesktop.resolve1.service
dbus-org.freedesktop.thermald.service
dbus-org.freedesktop.timesync1.service
default.target.wants
display-manager.service
display-manager.service.wants
emergency.target.wants
final.target.wants
getty.target.wants
graphical.target.wants
multi-user.target.wants
network-online.target.wants
oem-config.service.wants
open-vm-tools.service.requires
paths.target.wants
printer.target.wants
rescue.target.wants
sleep.target.wants
snap-bare-5.mount
```

```
● bg_process.service - bg_process
   Loaded: loaded (/etc/systemd/system/bg_process.service; disabled; vendor
   Active: active (running) since Sat 2023-02-25 12:44:51 EET; 16s ago
   Main PID: 4099 (script.sh)
     Tasks: 2 (limit: 2288)
    Memory: 1.2M
       CPU: 95ms
    CGroup: /system.slice/bg_process.service
            └─4099 /bin/bash /usr/local/bin/script.sh
              4108 sleep 5

Feb 25 12:44:51 Ubuntu systemd[1]: Started bg_process.
Feb 25 12:45:07 Ubuntu systemd[1]: /etc/systemd/system/bg_process.service:1:
lines 1-13/13 (END)
```

```
no crontab for vboxuser - using an empty one

Select an editor. To change later, run 'select-editor'
 1. /bin/nano      <---- easiest
 2. /usr/bin/vim.tiny
 3. /bin/ed

Choose 1-3 [1]: 1
```



vboxuser@linuxxxx: /etc/systemd/system



GNU nano 6.2

/tmp/crontab.RfHbpz/crontab *

```
S
# Edit this file to introduce tasks to be run by cron.
#
# Each task to run has to be defined through a single line
# indicating with different fields when the task will be run
# and what command to run for the task
#
# To define the time you can provide concrete values for
# minute (m), hour (h), day of month (dom), month (mon),
# and day of week (dow) or use '*' in these fields (for 'any').
#
# Notice that tasks will be started based on the cron's system
# daemon's notion of time and timezones.
#
# Output of the crontab jobs (including errors) is sent through
# email to the user the crontab file belongs to (unless redirected).
#
# For example, you can run a backup of all your user accounts
# at 5 a.m every week with:
# 0 5 * * 1 tar -zcf /var/backups/home.tgz /home/
#
# For more information see the manual pages of crontab(5) and cron(8)
#
# m h  dom mon dow   command
```

[Read 24 lines]