

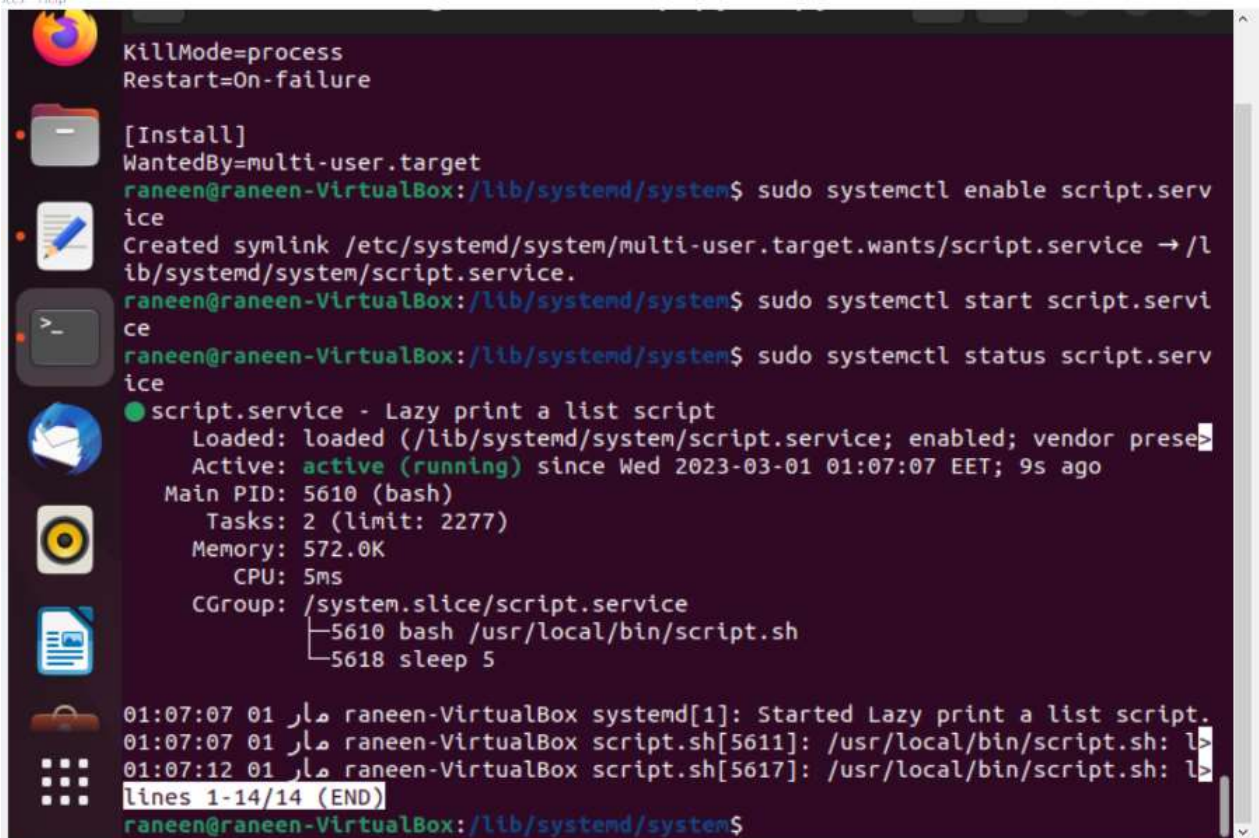
## Raneen Mahmoud

- create systemd service file to execute the script as background service

```
raneen@raneen-VirtualBox:/usr/local/bin$ cat script.service
[Unit]
Description = Lazy print a list script
After=remote.fs.target nss-user-lookup.target

[Service]
ExecStart=/usr/local/bin/script.sh
IgnoreSIGPIPE=false
KillMode=process
Restart=On-failure

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



The screenshot shows a terminal window with a dark background and a sidebar on the left containing icons for various applications. The terminal output shows the following commands and their results:

```
raneen@raneen-VirtualBox:/lib/systemd/system$ sudo systemctl enable script.service
Created symlink /etc/systemd/system/multi-user.target.wants/script.service → /lib/systemd/system/script.service.
raneen@raneen-VirtualBox:/lib/systemd/system$ sudo systemctl start script.service
raneen@raneen-VirtualBox:/lib/systemd/system$ sudo systemctl status script.service
```

The status output for **script.service** is as follows:

```
● script.service - Lazy print a list script
   Loaded: loaded (/lib/systemd/system/script.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2023-03-01 01:07:07 EET; 9s ago
     Main PID: 5610 (bash)
        Tasks: 2 (limit: 2277)
       Memory: 572.0K
          CPU: 5ms
      CGroup: /system.slice/script.service
              └─5610 bash /usr/local/bin/script.sh
                └─5618 sleep 5
```

At the bottom, there are log messages indicating the service has started and is running:

```
01:07:07 01 ماز رaneen-VirtualBox systemd[1]: Started Lazy print a list script.
01:07:07 01 ماز رaneen-VirtualBox script.sh[5611]: /usr/local/bin/script.sh: l>
01:07:12 01 ماز رaneen-VirtualBox script.sh[5617]: /usr/local/bin/script.sh: l>
lines 1-14/14 (END)
raneen@raneen-VirtualBox:/lib/systemd/system$
```

4) using cron, schedule a job every 5 minutes to copy /tmp/list.log file to /tmp/list.log.1 and compress the file using zip command

```
raneen@raneen-VirtualBox:/lib/systemd/system$ crontab -e  
no crontab for raneen - using an empty one  
crontab: installing new crontab
```

```
*/5 * * * * zip -r /tmp/list.log.1.zip /tmp/list.log
```