

Question

Create a service with the name showtime , after starting the service, every minute it should print the current time in a file in the user home directory.

Ex:-

sudo service showtime start -> It should start writing in file.

sudo service showtime stop -> It should stop writing in file.

sudo service showtime status -> It should show status.

My Approach

To achieve this, I create a simple bash script that writes the current time to a file every minute, and then create a systemd service to manage the execution of that script.

Step 1 : Become root

Command = sudo -i

Step 2 : Go to path /usr/local/bin/

Command = cd /usr/local/bin/

Step 3 : Create a file named showtime.sh and write following script

Command = nano Showtime.sh

Script

```
#!/bin/bash
while true; do
    date >> /home/sigmoid/time_service
    sleep 60
Done
```

Step 4 : Give execute permission to execute this file

Command = `chmod a+x showtime.sh`

Step 5 : Go to path `/root` directory and then go to path `/etc/systemd/system` and create a file named `showtime.service`

Command = `cd ..`

`cd /etc/systemd/system`

`nano showtime.services`

Step 6 : Write this things in `showtime.service` and save it.

[Unit]

Description=Showtime Service

After=network.target

[Service]

Type=simple

ExecStart=/usr/local/bin/showtime.sh

Restart=always

[Install]

WantedBy=multi-user.target

Note - Here we can see that we have passed the path of our script showtime.sh in ExecStart container.

Step 7 : Now reload systemd

Command = `sudo systemctl daemon-reload`

Step 8 : Now start showtime.service

Command = `sudo systemctl start showtime.service`

Step 9 : Now you can see that in our desired given path (here it is /home/sigmoid/time_service) after starting the service, every 1 minute it append/print the current time.

Step 10 : To stop the service otherwise it will run forever.

command = `sudo systemctl stop showtime.service` .