

Day 10

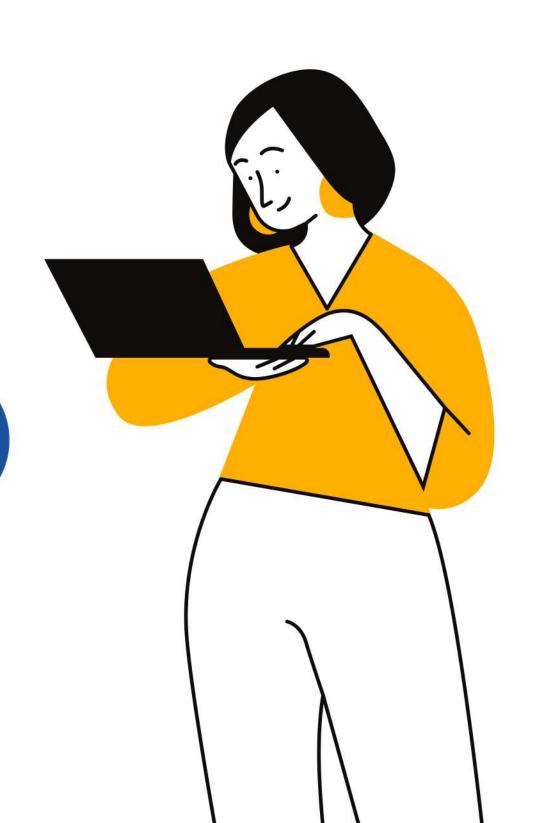
DevOps with AWS Engineering

Linux Part 6

Kab tak saara kaam khud karoge, thoda automate karlo

#75DaysOfDevOps





Thought of the day

Great mountains are climbed one step at a time.





Aaj ka Kahani 😜

Apni seat belts kriypya badh lijiye



- Where are services file stored
- Sections in services file
- Creating Services File
- Examples



Where are services files stored

System Service Files: /etc/systemd/system/

Description - This directory contains unit files that are installed by the system administrator. Custom service files you create are typically placed here.

Package-Installed Service Files: /lib/systemd/system/

Description - This directory contains unit files that are installed by packages from the distribution's package manager.

Runtime Service Files: /run/systemd/system/

Description - This directory contains unit files that are created and managed at runtime. These are typically transient units that don't persist across reboots.



Sections of a service file

```
[Unit]
Description=My Custom Service
Documentation=man:my_service(8)
After=network.target
Requires=network.target
[Service]
ExecStart=/usr/bin/my_script.sh
ExecStop=/bin/kill $MAINPID
ExecReload=/bin/kill -HUP $MAINPID
Restart=on-failure
RestartSec=5
User=myuser
Group=mygroup
WorkingDirectory=/home/myuser
Environment="VAR1=value1" "VAR2=value2"
StandardOutput=syslog
StandardError=inherit
[Install]
WantedBy=multi-user.target
```



Creating service files

Create a shell script

```
#!/bin/bash

# Infinite loop
while true
do
    echo "My custom service is running"
    sleep 60 # Sleep for 60 seconds
done
```

Create a .service file

```
[Unit]
Description=My Periodic Service

[Service]
ExecStart=/usr/bin/my_script.sh
```

Questions

Puchlo **saawal**, kuch na kuch naya mil hi jayega :D