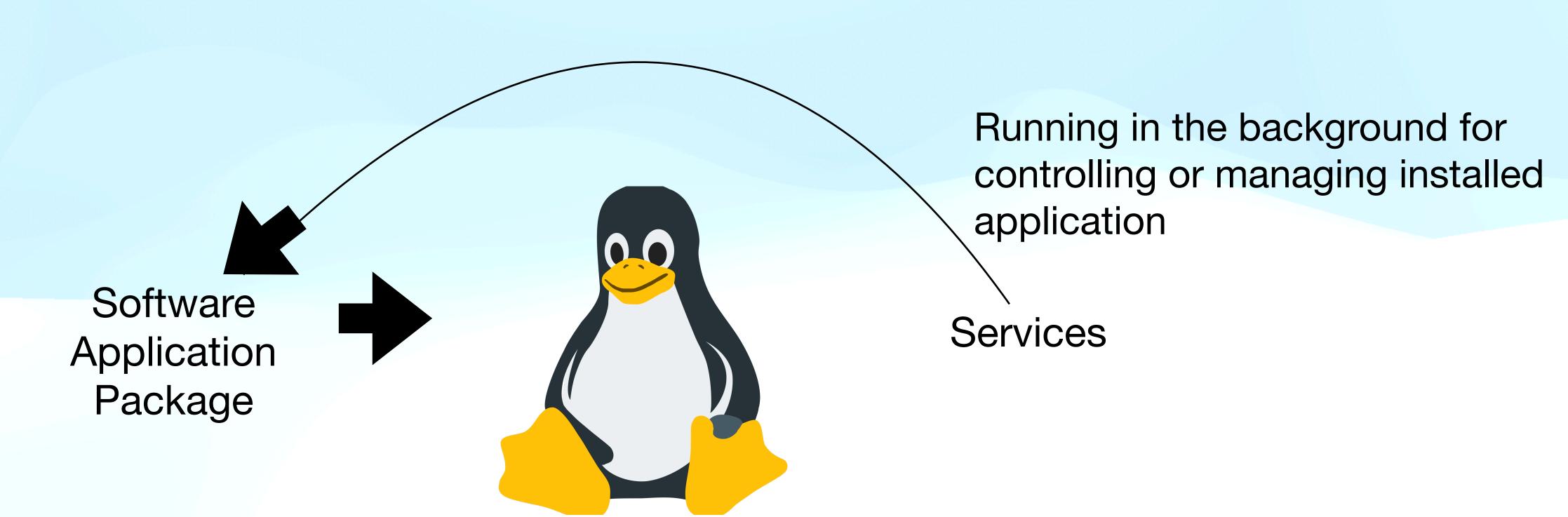
System Management Daemons

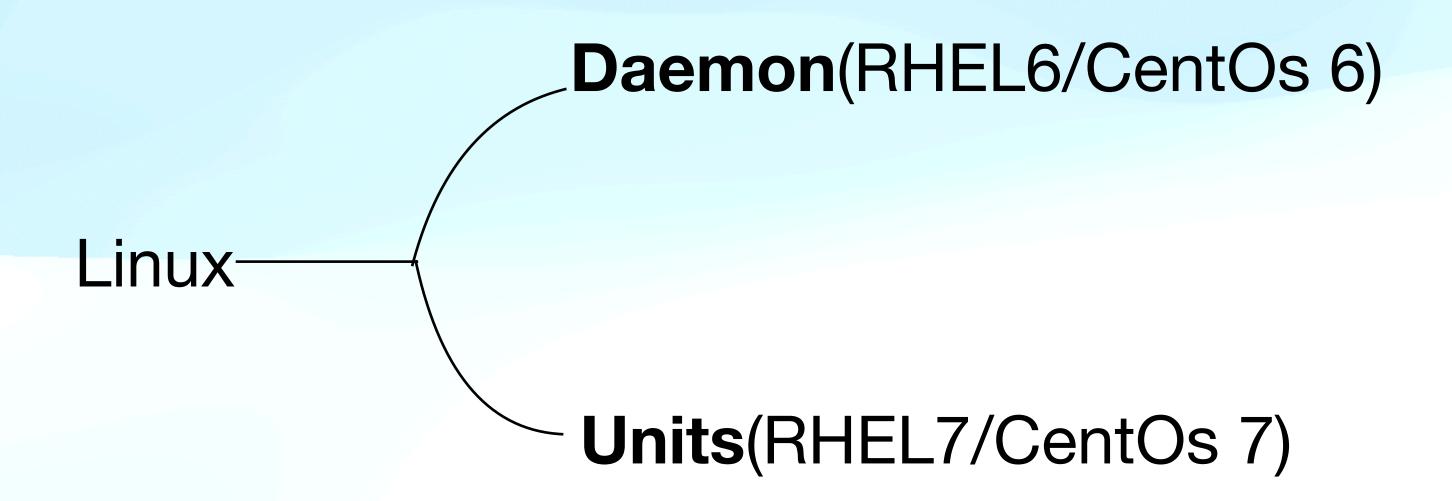
Kartik: 20-Dec-23

Systemd in linuxService management tool



01-Linux

In Linux History



SystemdWhat is systemd?

- Systemd is a daemon or service management tool in Linux
- Used to manage or control installed applications and services
- Init—>systemd in new flavours of Linux











init vs systemd

Differences

RHEL6

- Parent process—>init
- Process id —>1
- Service Management tool
- Type temporary, Permanent

service nginx start service nginx stop chkconfig httpd on chkconfig httpd off

RHEL7

- Parent process—>systemd
- Process id —>1
- Service Management tool
- Type temporary, Permanent

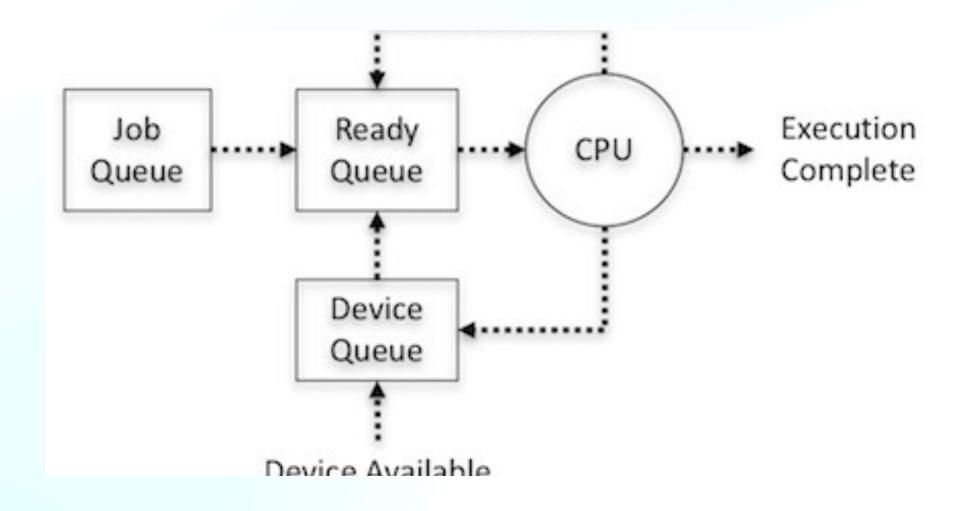
systemctl start nginx systemctl stop nginx systemctl enable nginx systemctl disable nginx

systemd

Advantages

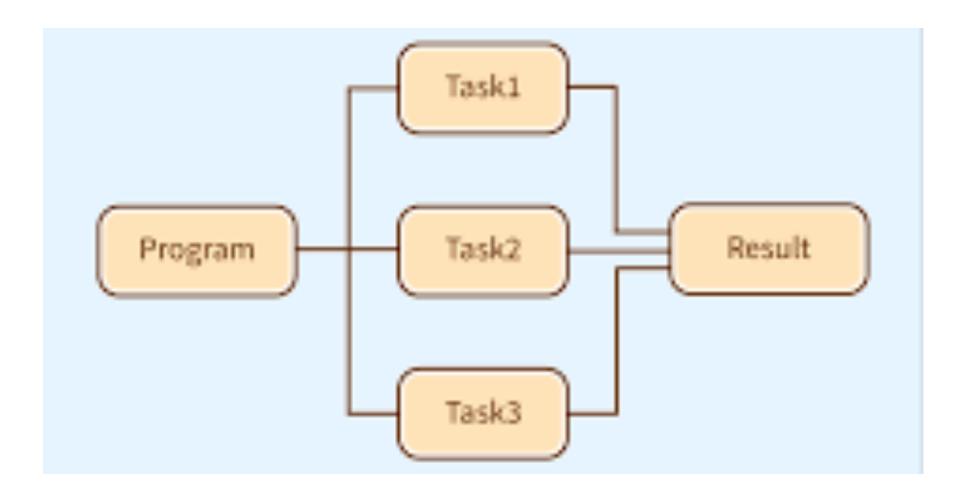
RHEL6

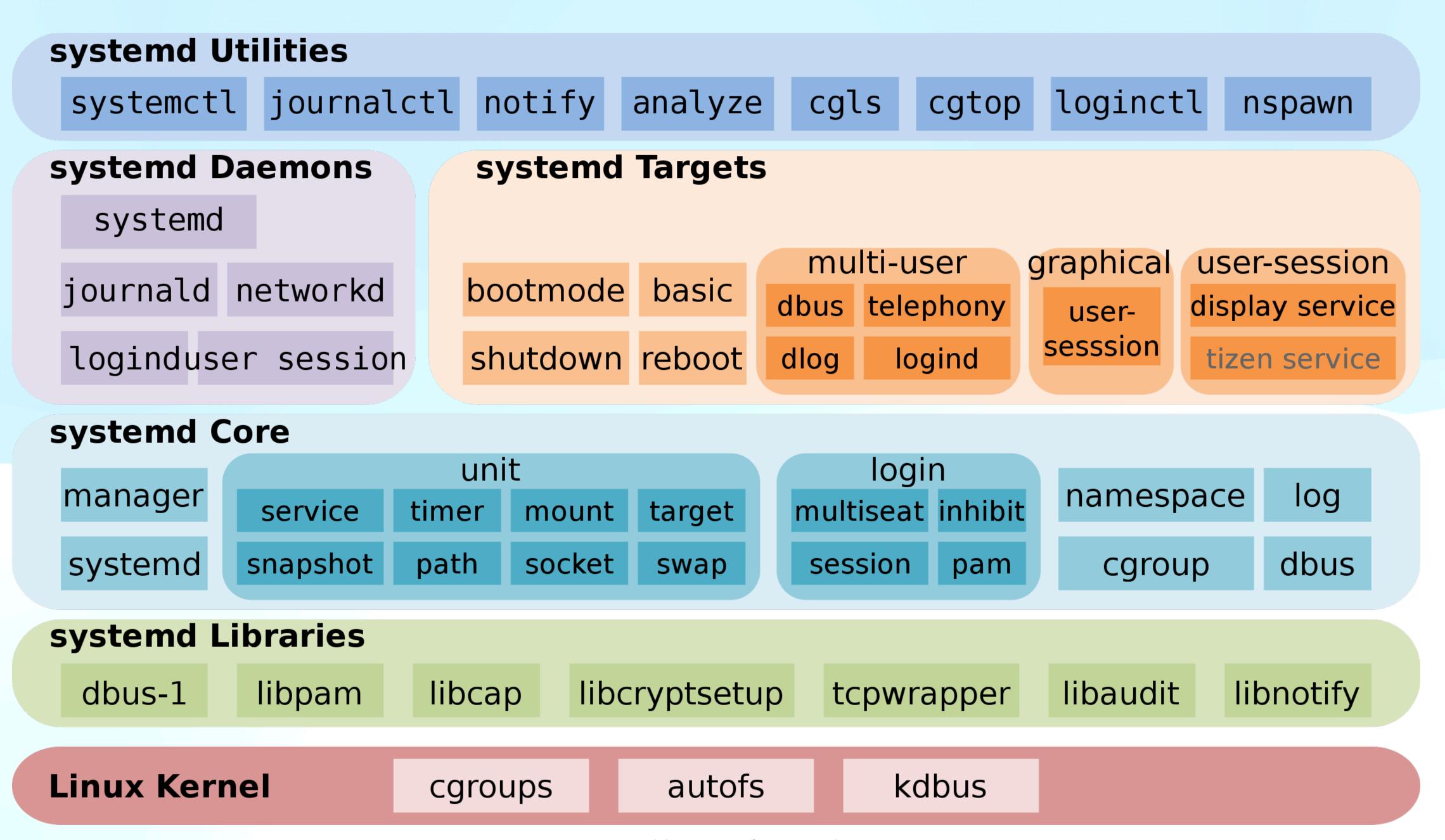
- Booting process queue, Slow
- More likely to cause thrashing during startup



RHEL7

- Booting process parallel ,fast
- No more likely to cause thrashing during startup





Sections Of unit file

- [unit]:a unit refers to any resource that the system knows how to operate on and manage.
- [service]:contains information about the service and the process it supervises.
- [install]:provides instructions on how systemd installs the service.

Structure Of unit file

- Where to create cd /etc/systemd/system
- Create a file named your-service.service and include the following:

```
[Unit]
Description=<description about this service>

[Service]
User=<user e.g. root>
WorkingDirectory=<directory_of_script e.g. /root>
ExecStart=<script which needs to be executed>
# optional items below
Restart=always
RestartSec=3

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