

# Systemd

```
vim /etc/systemd/system/foo.service  
chmod +x /etc/systemd/system/foo.service
```

```
“ [Unit]  
  Description=foo  
  
 [Service]  
  ExecStart=/bin/bash echo "Hello World!"  
  
 [Install]  
  WantedBy=multi-user.target
```

```
systemctl daemon-reload
```

```
systemctl start foo
```

You can also use `systemctl cat nginx.service` to simply view how the init script starts the service

To enable and start a service in the same line you can do

```
systemctl enable --now foo.service
```

To check if service is enabled

```
systemctl is-enabled foo.service; echo $?
```

To check the services that start with the OS in order you can do

```
systemctl list-units --type=target
```

```
multi-user.target
● |—apport.service
● |—atd.service
● |—avahi-daemon.service
● |—binfmt-support.service
● |—couchpotato.service
● |—cron.service
● |—dbus.service
● |—etables.service
● |—emby-server.service
● |—fail2ban.service
● |—grub-common.service
● |—irqbalance.service
● |—lxcfs.service
● |—lxd-containers.service
● |—ModemManager.service
● |—mumble-server.service
● |—networking.service
● |—nzbget.service
● |—ondemand.service
● |—open-vm-tools.service
```

# Journalctl

List failed services

```
systemctl --failed
```

```
journalctl -p 3 -xb
```

To filter only 1 service you will need to use the flag -u

```
journalctl -u nginx.service
```

To have live logs on a service you can do

```
journalctl -f _SYSTEMD_UNIT=nginx.service
```

To have live-tail logs for 2 services example nginx and ssh

```
journalctl -f _SYSTEMD_UNIT=nginx.service + _SYSTEMD_UNIT=sshd.service
```

To check logs since the latest boot:

```
journalctl -b
```

To get the data from yesterday

```
journalctl --since yesterday  
#or  
journalctl -u nginx.service --since yesterday
```

To view kernel messages

```
journalctl -k
```

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