

Systemd Units

Unit	Extension	Purpose
Service	.service	Background service/daemon
Target	.target	Group of units (runlevel replacement)
Socket	.socket	Socket activation
Timer	.timer	Scheduled task (cron alternative)
Mount	.mount	Automatically mount filesystem
Automount	.automount	Hardware devices
Device	.device	Hardware devices
Path	.path	Monitor file/directory changes
Swap	.swap	Swap device
Scope	.scope	External processes
Slice	.slice	Resource grouping

```
systemctl list-units -> Running units
```

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systemctl list-unit-files -> Installed unit files
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Systemctl Utilities	
Command	Purpose
<code>systemctl status</code>	View service status
<code>systemctl start</code>	Start service
<code>systemctl stop</code>	Stop service
<code>systemctl restart</code>	Restart service
<code>systemctl reload</code>	Reload configuration
<code>systemctl enable</code>	Start at boot
<code>systemctl is-enabled</code>	Check boot status
<code>systemctl mask</code>	Prevent service from starting
<code>systemctl unmask</code>	Remove mask
<code>systemctl daemon-reload</code>	Reload unit files
<code>systemctl isolate</code>	Switch target

journalctl	
Command	Purpose
<code>journalctl</code>	View logs
<code>journalctl -u sshd</code>	Logs for a service
<code>journalctl -xe</code>	Recent errors
<code>journalctl -f</code>	Follow logs live
<code>journalctl -b</code>	Current boot logs

Managing Unit States	
State	Meaning
Active	Currently running
Inactive	Not running
Enabled	Starts automatically at boot
Disabled	Does not start automatically
Masked	Cannot be started
Failed	Service encountered an error



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