

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
systemctl status	View service status
systemctl start	Start service
systemctl stop	Stop service
systemctl restart	Restart service
systemctl reload	Reload configuration
systemctl enable	Start at boot
systemctl is-enabled	Check boot status
systemctl mask	Prevent service from starting
systemctl unmask	Remove mask
systemctl daemon-reload	Reload unit files
systemctl isolate	Switch target

journalctl	
Command	Purpose
journalctl	View logs
journalctl -u sshd	Logs for a service
journalctl -xe	Recent errors
journalctl -f	Follow logs live
journalctl -b	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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