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Systemd

<https://www.freedesktop.org/software/systemd/>

SystemdLinuxSysV init

UpstartRed Hat Enterprise Linux 7systemdinit

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Systemd

Unit type

Unit Type		
	.service	.
	.target	.
	.automount	.
	.device	.
	.mount	.
	.path	.
	.scope	.
	.slice	.
	.snapshot	systemd.
	.socket	.
	.swap	.
	.timer	.

Unit file

/usr/lib/systemd/system/	RPM.
/run/systemd/system/	.
/etc/systemd/system/	systemctl enable 가 unit file. Systemd unit file.

system.conf

systemd

systemd

systemd (/etc/systemd/system.conf)

90DefaultTimeoutStartSec

DefaultTimeoutStartSec =

service

systemctl

service	systemctl	
service name start	systemctl start name.service	.
service name stop	systemctl stop name.service	.
service name restart	systemctl restart name.service	.
service name condrestart	systemctl try-restart name.service	.
service name reload	systemctl reload name.service	.
service name status	systemctl status name.service systemctl is-active name.service	가 .
service -status-all	systemctl list-units -type service -all	.

chkconfig

systemctl

chkconfig	systemctl	
chkconfig name on	systemctl enable name.service	.
chkconfig name off	systemctl disable name.service	.
chkconfig -list name	systemctl status name.service systemctl is-enabled name.service	가 .
chkconfig -list	systemctl list-unit-files -type service	.
chkconfig -list	systemctl list-dependencies -after	.
chkconfig -list	systemctl list-dependencies -before	.

Unit File

systemctl

가

- [Unit] —
- [unit type] —
- [Install] — systemctl enable [Service] disable 가

[Unit] Section

[Unit] Section keyword

Description	systemctl status
Documentation	URI
After	가 Requires Before After After 가
Requires	Requires 가
Wants	Requires 가
Conflicts	Requires 가

[Service] Section

[Service] Section keyword

Type	ExecStart * simple - ExecStart * forking - ExecStart 가 * oneshot - simple 가 * dbus - simple 가 D-Bus * notify - simple sd_notify() * idle - simple
ExecStart	가 ExecStartPost ExecStart , Type=oneshot ExecStartPre
ExecStop	가
ExecReload	
Restart	systemctl 가

RemainAfterExit	True가False가Type=oneshot가

[Install] Section

[Install] Section keyword

Alias	Unit가systemctlUnit.systemctl enable
RequiredBy	Unit가Unit가Unit가Unit Require가RequiredBy
WantedBy	Unit가Unit가Unit가 UnitWant가UnitWantedBy
Also	UnitUnit
DefaultInstance	UnitUnit가

Unit

RHEL7
RedHat
RHEL8



Unit

- <https://access.redhat.com/solutions/3461241>
- <https://access.redhat.com/solutions/3523861>
- <https://access.redhat.com/solutions/4661741>
- <https://access.redhat.com/solutions/5101061>

가 sudo / 가

- <https://access.redhat.com/solutions/1293513>

Debian/Ubuntu . :)

Unit file system unit file . root .
 unit file .

가 unit file .config/systemd/user/ .

jboss unit file .

.config/systemd/user/jboss.service

```
[Unit]
Description=JBoss EAP Systemctl script
After=NetworkManager.service

[Service]
Type=forking
ExecStart=/opt/server/jboss-eap-6/bin/init.d/jboss-as-standalone.sh start
ExecStop=/opt/server/jboss-eap-6/bin/init.d/jboss-as-standalone.sh stop
ExecReload=/opt/server/jboss-eap-6/bin/init.d/jboss-as-standalone.sh restart
PIDFile=/var/run/jboss-as/jboss-as-standalone.pid

TimeoutStartSec=600
TimeoutStopSec=600

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

systemd

unit file

.

```
[user@host ~]$ systemctl --user daemon-reload
[user@host ~]$ systemctl --user enable myunit.service
[user@host ~]$ systemctl --user start myunit.service
[user@host ~]$ systemctl --user stop myunit.service
[user@host ~]$ systemctl --user status myunit.service
```

- https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/7/html/system_administrators_guide/chap-managing_services_with_systemd
- <https://www.freedesktop.org/software/systemd/man/systemd.directives.html>
- <https://www.digitalocean.com/community/tutorials/understanding-systemd-units-and-unit-files>

kavita

```
[Unit]
Description=Kavita Daemon

[Service]
User=root
WorkingDirectory=/Kavita
```

```
Type=simple
ExecStart=/Kavita/Kavita
PIDFile=/Kavita/Kavita.pid
Restart=on-failure
```

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

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