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Systemd

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

SystemdLinuxSysV init

UpstartRed Hat Enterprise Linux 7systemdinit

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.confsystemd

systemdsystemd (/etc/systemd/system.conf)

90DefaultTimeoutStartSec

```
DefaultTimeoutStartSec =
```

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 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] —
- [unit type] —
- [Install] — `systemctl enable` `disable`

[Unit] Section keyword

Description	systemctl status

Documentation	URI
After	가 Requires Before After After
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	True False 가 Type=oneshot가

[Install] Section

[Install] Section keyword

Alias	Unit가 . systemctl enable systemctl Unit
RequiredBy	Unit가 Unit가 Unit RequiredBy Unit
WantedBy	Unit가 Unit가 Unit WantedBy
Also	Unit Unit
DefaultInstance	Unit Unit가

Unit



RHEL7

RedHat

Unit

RHEL7 systemd user

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

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
```

가

...

- 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>

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