

Systemd 3
..... 3
Systemd 3
Unit File 4
 [Unit] Section 5
 [Service] Section 5
 [Install] Section 6
 Unit 6
 7
 7
 kavita 7

Systemd

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

Systemd Linux

. SysV init

Upstart

Red Hat Enterprise Linux 7

systemd

init

- [Systemd Unit](#)
- [Systemd](#) /
- [Systemd journal log](#)
- [Systemd journal log](#)

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.

systemd.conf

systemd

systemd

systemd

(/etc/systemd/system.conf)

90

DefaultTimeoutStartSec

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

가 systemctl

- [Unit] —

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

[Unit] Section

[Unit] Section keyword

Description	systemctl status
Documentation	URI
After	가 After 가 Requires After Before 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 ExecStartPre ExecStartPost ExecStart , Type=oneshot
ExecStop	가
ExecReload	

Restart	systemctl 가
RemainAfterExit	True False 가 Type=oneshot가
limit	LimitCPU=, LimitFSIZE=, LimitDATA=, LimitSTACK=, LimitCORE=, LimitRSS=, LimitNOFILE=, LimitAS=, LimitNPROC=, LimitMEMLOCK=, LimitLOCKS=, LimitSIGPENDING=, LimitMSGQUEUE=, LimitNICE=, LimitRTPRIO=, LimitRTTIME=

[Install] Section

[Install] Section keyword

Alias	Unit enable 가 systemctl Unit systemctl
RequiredBy	Unit Require 가 가 Unit RequiredBy Unit
WantedBy	Unit Unit Want 가 가 Unit Unit WantedBy 가
Also	Unit Unit
DefaultInstance	Unit Unit가

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
unit file

root

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

From:

<https://atl.kr/dokuwiki/> - **AllThatLinux!**

Permanent link:

<https://atl.kr/dokuwiki/doku.php/systemd>

Last update: **2023/03/21 01:24**

