

Systemd Unit 3
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Systemd Unit

[Unit] Section

- Description= -
- Requires= - ()
- RequiresOverridable= - Requires= 가 ()
- Requisite=, RequisiteOverridable= - Requires= RequiresOverridable=
- Wants= - Requires= ()
- BindsTo= - Requires= systemd 가 (가 NIC 가 가)
- PartOf= - Requires=
- Conflicts= - 1 Conflicts= 2 1 2가 , 1 2가 After= Before= 가
- Before=, After= - Requires= Before= After= (shutdown)
- OnFailure= - 가 (/)
- PropagatesReloadTo=, ReloadPropagatedFrom= - (reload) (reload)
- RequiresMountsFor= - Requires=, After= 가
- OnFailureIsolate=[yes|no] - **yes** OnFailure= (isolation mode) OnFailureIsolate=yes OnFailure=

[Service] Section

- Type=[simple|forking|oneshot|notify|dbus] -
 - simple - () systemd
 - forking - systemd 가 PIDFile= PID
 - oneshot - simple RemainAfterExit=yes

- notify - simple
- dbus - DBUS
- RemainAfterExit=[yes|no] -
- GuessMainPID=[yes|no] - Type=forking 가 PIDFile= systemd 가 PID 가
- PIDFile= - PID forking 가 ()
- BusName= - D-Bus Type=dbus Type D-Bus
- Environment= - Exec*=

Environment="ONE=one" 'TWO=two two'

- EnvironmentFile= - # ; Environment= Exec*=
- ExecStart= - () (\$ {STRINGS})

ExecStart="commnad 1; command 2; command 3"
 ExecStart="commnad 1"
 ExecStart="command 2"

- ExecStop= - () . ExecStart= KillMode=
- KillMode=[control-group|process|none] -
 - control-group
 - process
 - none
 - 가
- ExecReload= - (reload)
- ExecStartPre=, ExecStartPost=, ExecStopPre=, ExecStopPost= - , 가 ExecStart=
- RestartSec= - (sleep) 100ms min, s, ms Restart=
- TimeoutStartSec= - 90 (90s) Type=oneshot TimeoutStartSec=0
- TimeoutStopSec= - 90 (90s) TimeoutStartSec= TimeoutStopSec=0 SIGKILL
- TimeoutSec= - TimeoutStartSec= TimeoutStopSec=

- WatchdogSec= - (keep-alive ping)
Restart= on-failure, always
WatchdogSec= 0
- Restart=[no|on-success|on-failure|on-watchdog|on-abort|always] -
WatchdogSec=
ExecStartPre=, ExecStartPost=, ExecStopPre=, ExecStopPost=, ExecReload=
 - no (),
 - on-success
SIGHUP, SIGINT, SIGTERM, SIGPIPE
SuccessExitStatus= 0
 - on-failure
core dump 0
 - on-watchdog WatchdogSec=
 - on-abort
 - always (가) (가 가)
- SuccessExitStatus= -

SuccessExitStatus=1 2 8 SIGKILL

- RestartPreventExitStatus= -

RestartPreventExitStatus=1 6 SIGABRT

- PermissionsStartOnly=[yes|no] - User=, Group=
ExecStart= ExecStartPre=,
ExecStartPost=, ExecReload=, ExecStop=, ExecStopPost=
- User=, Group= -
- RootDirectoryStartOnly=[yes|no] - / chroot()
.jail ExecStart=
ExecStartPre=, ExecStartPost=, ExecReload=, ExecStop=, ExecStopPost=
- RootDirectory= - chroot() /
- WorkingDirectory= - /
- NonBlocking=[yes|no] - (FD) O_NONBLOCK
yes STDIN/STDOUT/STDERR O_NONBLOCK 가
non-blocking mode
- NotifyAccess=[none|main|all] - sd_notify()
(notification)
 - none
 - main
 - all
 - Type=notify WatchdogSec= 가 NotifyAccess= 가
(main)
main . NotifyAccess=

- Sockets= - `< >.socket`
가
- Sockets=
- StartLimitInterval=, StartLimitBurst= - `(Restart=) 10 5`
가
가 Fail 가
- StartLimitInterval= `10 (10s), 0`
- StartLimitBurst= `5`
- StartLimitAction=[none|reboot|reboot-force|reboot-immediate] -
가 (Service Recovery Limit > StartLimitInterval * StartLimitBurst)
◦ none (),
◦ reboot (systemctl reboot)
◦ reboot-force (systemctl reboot -f , sync)
◦ reboot-immediate . reboot()
- Nice= - nice -20 19
- OOMScoreAdjust= - OOM(Out Of Memory) killer
-1000 1000
- UMask= - umask 0022
- SyslogFacility= - kern, user, mail, daemon, auth, syslog, lpr, news, uucp, cron, authpriv, ftp, local0, local1, local2, local3, local4, local5, local6, local7 가
- SyslogLevel= - emerg, alert, crit, err, warning, notice, info, debug 가
- TCPWrapName= - TCP
- PAMName= - PAM

[Install] section

- Alias= - `systemctl enable`
(service, socket, mount, swap : httpd.service Alias=apache.service) 가
- WantedBy=, RequiredBy= - `systemctl enable`

[Unit] Wants= Requires=

- Also= - `systemctl enable systemctl disable`

- <https://fmd1225.tistory.com/93>

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