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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 2가 1 2가 1 Conflicts= 2가 2가
- After= Before=
- Before=, After= - Before= After= Requires= (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

Environment="ONE=one" 'TW0=two two'

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

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

ExecStart="commnad 1"

ExecStart="command 2"

- ExecStop= - () ExecStart= KillMode=
 - control-group
 - process
 - none
 - 가
 - ExecReload= - (reload)
 - ExecStartPre=, ExecStartPost=, ExecStopPre=, ExecStopPost= - 가 ExecStart=
 - RestartSec= - 100ms min, s, ms (sleep) Restart=
 - TimeoutStartSec= - Type=oneshot 90 (90s)
 - TimeoutStopSec= - TimeoutStartSec= TimeoutStopSec=0 90 (90s)
 - TimeoutSec= - TimeoutStartSec= TimeoutStopSec= SIGKILL
 - 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 (), 0
 - on-success SIGHUP, SIGINT, SIGTERM, SIGPIPE
 - SuccessExitStatus=
 - on-failure core dump 0
 - on-watchdog WatchdogSec=
 - on-abort
 - always . (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) 0_NONBLOCK
 yes STDIN/STDOUT/STDERR 0_NONBLOCK 가
 non-blocking mode
- NotifyAccess=[none|main|all] - sd_notify()
 (notification)
 - none
 - main
 - all
 - Type=notify WatchdogSec= 가 NotifyAccess= 가
 (main) NotifyAccess=
 - main
- Sockets= - < >.socket

Sockets= 가
 Sockets=

- StartLimitInterval=, StartLimitBurst= -
 (Restart=) 10 5
 . (1 5 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 . sync . 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)
 - WantedBy=, RequiredBy= - systemctl enable
- [Unit] Wants= Requires=
- Also= - systemctl enable systemctl disable

- <https://www.freedesktop.org/software/systemd/man/systemd.unit.html>
- <https://www.freedesktop.org/software/systemd/man/systemd.service.html>
- <https://fmd1225.tistory.com/93>

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Last update: **2023/09/05 01:45**