

Systemd

Unit File

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# Systemd

SystemdLinuxSysV init

Red Hat Enterprise Linux 7systemdinit

Upstart

## 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<br>가 unit file. Systemd unit file. |

system.confsystemd

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<br>systemctl is-active name.service | 가 . |
| service -status-all      | systemctl list-units -type service -all                           | .   |

## chkconfig      systemctl

| <b>chkconfig</b>     | <b>systemctl</b>                                                   |     |
|----------------------|--------------------------------------------------------------------|-----|
| chkconfig name on    | systemctl enable name.service                                      | .   |
| chkconfig name off   | systemctl disable name.service                                     | .   |
| chkconfig -list name | systemctl status name.service<br>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] —
- [Install] — systemctl enable disable

## Unit Section

### Unit Section keyword

|             |                  |
|-------------|------------------|
|             |                  |
| Description | systemctl status |

|               |                                           |
|---------------|-------------------------------------------|
|               |                                           |
| Documentation | URI                                       |
| After         | 가<br>Requires<br>Before<br>After<br>After |
| Requires      | Requires<br>가                             |
| Wants         | Requires<br>가                             |
| Conflicts     | Requires<br>가                             |

Service Section

Service Section keyword

|                 |                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |                                                                                                                                                                                 |
| Type            | ExecStart<br>* simple - ExecStart<br>* forking - ExecStart<br>가<br>* oneshot - simple<br>가<br>* dbus - simple<br>가 D-Bus<br>* notify - simple<br>sd_notify()<br>* idle - simple |
| ExecStart       | 가<br>ExecStartPost ExecStart ,<br>Type=oneshot<br>ExecStartPre                                                                                                                  |
| ExecStop        | 가                                                                                                                                                                               |
| ExecReload      |                                                                                                                                                                                 |
| Restart         | systemctl<br>가                                                                                                                                                                  |
| RemainAfterExit | True<br>False<br>가<br>Type=oneshot가                                                                                                                                             |

- [https://access.redhat.com/documentation/en-us/red\\_hat\\_enterprise\\_linux/7/html/system\\_administrators\\_guide/chap-managing\\_services\\_with\\_systemd](https://access.redhat.com/documentation/en-us/red_hat_enterprise_linux/7/html/system_administrators_guide/chap-managing_services_with_systemd)

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