RHEL7 Systemctl command

Target

target   SysV init   run level   systemd   default.target
                           (run level)   mutl-user.target   .

```
$ systemctl get-default

multi-user.target
```

```
$ systemctl list-units --type target


UNIT                  LOAD   ACTIVE SUB     DESCRIPTION
basic.target          loaded active active Basic System
cryptsetup.target     loaded active active Encrypted Volumes
getty.target          loaded active active Login Prompts
local-fs-pre.target   loaded active active Local File Systems (Pre)
local-fs.target       loaded active active Local File Systems
multi-user.target     loaded active active Multi-User System
network-online.target loaded active active Network is Online
network.target        loaded active active Network
paths.target          loaded active active Paths
remote-fs.target      loaded active active Remote File Systems
slices.target         loaded active active Slices
sockets.target        loaded active active Sockets
sound.target          loaded active active Sound Card
swap.target           loaded active active Swap
sysinit.target        loaded active active System Initialization
timers.target         loaded active active Timers


LOAD   = Reflects whether the unit definition was properly loaded.
ACTIVE = The high-level unit activation state, i.e. generalization of SUB.
SUB    = The low-level unit activation state, values depend on unit type
```

          (rescue, emergency   )   –all

```
$ systemctl list-units --type target --all
```

```
$ systemctl set-default name.target
```

multi-user.target   X-Windows
graphical.target

```
$ sudo systemctl set-default graphical.target
```

single user mode

single user mode   rescue

```
$ sudo systemctl rescue
```

systemctl emergency

single mode   emergency
(root   read only
)

```
$ sudo systemctl emergency
```

service

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	
service –status-all	systemctl list-units –type service –all	

chkconfig

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		
chkconfig –list	systemctl list-unit-files –type service		
chkconfig –list	systemctl list-dependencies –after	target	
chkconfig –list	systemctl list-dependencies –before	target	

```
systemctl status

systemctl status php-fpm.service
```

```
systemctl start mariadb.service
```

```
systemctl enable mariadb.service
```

list-units

```
$ sudo systemctl list-units
```

unit   list-unit-files

```
$ sudo systemctl list-unit-files
```

```
$ sudo systemctl list-units --state=failed
```

active

```
$ sudo systemctl list-units --state=active
```

inactive

```
$ sudo systemctl list-units --all --state=inactive
```

running

```
$ sudo systemctl list-units --type=service --state=running
```

active

active   is-active

```
$ sudo systemctl is-active nginx

failed
```

active   is-eabled

```
$ sudo systemctl is-enabled nginx
disabled
```

journalctl

Query the systemd journal log.

systemctl

```
journalctl -xn
```

Pager

```
-e(pager end)
```

```
journalctl -xe
```

```
journalctl -xn --no-pager | less
```

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Last update: **2018/07/23 07:02**