

```
check the specific service status
[root@vivek ~] # systemctl status sshd.service

    sshd.service - OpenSSH server daemon

   Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; vendor preset:
   Active: active (running) since Mon 2022-02-21 04:50:42 EST; 20min left
     Docs: man:sshd(8)
           man:sshd config(5)
Main PID: 1088 (sshd)
   Tasks: 1 (limit: 11160)
   Memory: 7.0M
   CGroup: /system.slice/sshd.service
           L1088 /usr/sbin/sshd -D -oCiphers=aes256-gcm@openssh.com,chacha20-pol
Feb 21 04:50:42 vivek.gandhi.com systemd[1]: Starting OpenSSH server daemon...
Feb 21 04:50:42 vivek.gandhi.com sshd[1088]: Server listening on 0.0.0.0 port 22
Feb 21 04:50:42 vivek.gandhi.com sshd[1088]: Server listening on :: port 22.
Feb 21 04:50:42 vivek.gandhi.com systemd[1]: Started OpenSSH server daemon.
```

To list the active state of all loaded units								
[root@vivek ~] # systemctl list-units	type=	=service	9					
UNIT				DESCRIPTION				
alsa-state.service	loaded	active	running	Manage Sound Card State (rest				
atd.service	loaded	active	running	Job spooling tools				
auditd.service	loaded	active	running	Security Auditing Service				
avahi-daemon.service				Avahi mDNS/DNS-SD Stack				
chronyd.service	loaded	active	running	NTP client/server				
crond.service	loaded	active	running	Command Scheduler				
cups.service	loaded	active	running	CUPS Scheduler				
dhuc corrigo	loaded	activo	running	D Rug Systom Mossogo Rug				

To list the active and inactive state of all loaded units							
[root@vivek ~] # systemctl list-unitstype=service -all							
UNIT	LOAD	ACTIVE	SUB	DESCRIPTION			
accounts-daemon.service	loaded	inactive	dead	Accounts Service			
alsa-restore.service	loaded	inactive		Save/Restore So			
alsa-state.service	loaded	active	running	Manage Sound Ca			
 apparmor.service 	not-found	inactive	dead	apparmor.servic			
atd.service	loaded	active	running	Job spooling to			
auditd.service	loaded	active	running	Security Auditi			

service will be started automatically or not						
[root@vivek ~] # systemctl list-unit-files	type=service					
UNIT FILE	STATE					
accounts-daemon.service	enabled					
alsa-restore.service	static					
alsa-state.service	static					
anaconda-direct.service	static					
anaconda-nm-config.service	static					
anaconda-noshell.service	static					
anaconda-pre.service	static					
anaconda-shell@.service	static					
anaconda-sshd.service	static					
anaconda-tmux@.service	static					
anaconda.service	static					
arp-ethers.service	disabled					

```
filter the failed services using the systemctl command

[root@vivek ~] # systemctl --failed --type=service

UNIT LOAD ACTIVE SUB DESCRIPTION

• mcelog.service loaded failed failed Machine Check Exception Logging Daemon

• vmtoolsd.service loaded failed failed Service for virtual machines hosted on V

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.

2 loaded units listed. Pass --all to see loaded but inactive units, too.

To show all installed unit files use 'systemctl list-unit-files'.
```

```
[root@vivek ~]# systemctl list-units --type=socket --all
                               LOAD ACTIVE
                                                         DESCRIPTION
avahi-daemon.socket
                                loaded active
                                               running
                                                         Avahi mDNS/DNS-SD Stack Activation Socket
cups.socket
                               loaded active
                                                         CUPS Scheduler
dbus.socket
                               loaded active
                                                         D-Bus System Message Bus Socket
dm-event.socket
                               loaded active
                                                listening Device-mapper event daemon FIFOs
                                               listening Open-iSCSI iscsid Socket
iscsid.socket
                               loaded active
iscsiuio.socket
                                               listening Open-iSCSI iscsiuio Socket
                                               listening LVM2 poll daemon socket
lvm2-lvmpolld.socket
                               loaded active
multipathd.socket
                               loaded active
                                               listening multipathd control socket
rpcbind.socket
                               loaded active
                                               running RPCbind Server Activation Socket
                               loaded active
                                               listening SSSD Kerberos Cache Manager responder sock
sssd-kcm.socket
syslog.socket
                               loaded inactive dead
                                                         Syslog Socket
systemd-coredump.socket
                               loaded active
                                               listening Process Core Dump Socket
systemd-initctl.socket
                               loaded active
                                               listening initctl Compatibility Named Pipe
systemd-journald-audit.socket
                                loaded inactive dead
                                                         Journal Audit Socket
systemd-journald-dev-log.socket loaded active running
                                                         Journal Socket (/dev/log)
                                                         Journal Socket
systemd-journald.socket
                               loaded active
systemd-udevd-control.socket
                               loaded active
                                                         udev Control Socket
systemd-udevd-kernel.socket
                               loaded active
                                                         udev Kernel Socket
virtlockd-admin.socket
                               loaded inactive dead
                                                         Virtual machine lock manager admin socket
virtlockd.socket
                               loaded active listening Virtual machine lock manager socket
virtlogd-admin.socket
                               loaded inactive dead
                                                         Virtual machine log manager socket
virtlogd.socket
                               loaded active listening Virtual machine log manager socket
       = Reflects whether the unit definition was properly loaded.
ACTIVE = The high-level unit activation state, i.e. generalization of SUB.
      = The low-level unit activation state, values depend on unit type.
```

Controlling the services with systemctl

To stop the service, use systemctl stop command

```
[root@vivek ~]# systemctl stop crond.service
[root@vivek ~]#
[root@vivek ~]#
[root@vivek ~]# systemctl status crond.service
• crond.service - Command Scheduler
   Loaded: loaded (/usr/lib/systemd/system/crond.service; enabled; ven
   Active: inactive (dead) since Mon 2022-02-21 04:46:05 EST; 18s ago
   Process: 1276 ExecStart=/usr/sbin/crond -n $CRONDARGS (code=exited,
   Main PID: 1276 (code=exited, status=0/SUCCESS)
```

Service can be started back using systemctl start command

Specific service can be restarted

Check last process successfully run or not

```
[root@vivek ~]# echo $?
0
[root@vivek ~]# systemctl status crond.servi
Unit crond.servi.service could not be found.
[root@vivek ~]# echo $?
4
[root@vivek ~]#
```

Output zero 0 means successfully execute query

Output any number means not run successfully execute query.

To see the service dependency tree [root@vivek ~] # systemctl list-dependencies crond.service crond.service -system.slice -system.slice -sysinit.target -dev-hugepages.mount -dev-mqueue.mount -dracut-shutdown.service -import-state.service -iscsi-onboot.service -kmod-static-nodes.service

systemctl disable command

[root@vivek ~]# systemctl disable crond.service

systemctl enable command. [root@vivek ~]# systemctl enable crond.service

```
To completely disabled service

[root@vivek ~] # systemctl mask crond.service

Created symlink /etc/systemd/system/crond.service → /dev/null.
```

Enable the service from mask

[root@vivek ~]# systemctl unmask crond.service
Removed /etc/systemd/system/crond.service.