Que:- systemctl status docker vs service docker status

Both **systemctl status docker** and **service docker status** are used to check the status of the Docker service on Linux. However, the commands are slightly different depending on the Linux distribution you are using.

systemctl is the standard service management tool on Linux systems that use the systemd init system, such as Ubuntu 15.04 and later, and Fedora 15 and later. When you run **systemctl status docker**, you'll see the current status of the Docker service along with some additional information, such as whether it is running or stopped, and when it was last started.

service is an older tool that is still used on some Linux distributions that don't use systemd, such as Ubuntu 14.04 and earlier, and Fedora 14 and earlier. On these systems, you can use the **service docker status** command to check the status of the Docker service. However, as more and more distros are moving toward systemd, the use of **service** command is becoming less common.

So, if you are running a systemd based distro the first command will work otherwise the second one.

```
ubuntu@ip-172-31-92-131:~/90daysofdevops/Script$ jenkins
jenkins: command not found
ubuntu@ip-172-31-92-131:~/90daysofdevops/Script$ docker
Command 'docker' not found, but can be installed with:
sudo snap install docker         # version 20.10.17, or
sudo apt  install docker.io      # version 20.10.12-0ubuntu4
sudo apt  install podman-docker  # version 3.4.4+ds1-1ubuntu1
See 'snap info docker' for additional versions.
ubuntu@ip-172-31-92-131:~/90daysofdevops/Script$
```

```
ubuntu@ip-172-31-92-131:~/90daysofdevops/Script$ bash Docker_jenkins_install.sh
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [114 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [99.8 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [799 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [177 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [12.0 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [527 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [80.6 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [552 B]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [781 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [134 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [14.6 kB]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [7988 B]
Get:15 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [2448 B]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [432 B]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [6748 B]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [348 B]
Get:19 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [553 kB]
Get:20 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [118 kB]
Get:21 http://security.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [7580 B]
Get:22 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [483 kB]
Selecting previously unselected package containerd.
Preparing to unpack .../3-containerd_1.5.9-0ubuntu3.1_amd64.deb ...
Unpacking containerd (1.5.9-0ubuntu3.1) ...
Selecting previously unselected package dns-root-data.
Preparing to unpack .../4-dns-root-data_2021011101_all.deb ...
Unpacking dns-root-data (2021011101) ...
Selecting previously unselected package dnsmasq-base.
Preparing to unpack .../5-dnsmasq-base_2.86-1.1ubuntu0.1_amd64.deb ...
Unpacking dnsmasq-base (2.86-1.1ubuntu0.1) ...
```

```
No VM guests are running outdated hypervisor (qemu) binaries on this host.
Synchronizing state of jenkins.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable jenkins
ubuntu@ip-172-31-92-131:~/90daysofdevops/Script$ systemctl status docker.service
● docker.service - Docker Application Container Engine
     Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
     Active: active (running) since Tue 2023-01-10 11:38:32 UTC; 2min 8s ago
TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
   Main PID: 2500 (dockerd)
      Tasks: 7
     Memory: 27.9M
        CPU: 254ms
     CGroup: /system.slice/docker.service
             └─2500 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Jan 10 11:38:31 ip-172-31-92-131 dockerd[2500]: time="2023-01-10T11:38:31.9336062607" level=info msg="scheme \
```

```
ubuntu@ip-172-31-92-131:~/90daysofdevops/Script$ systemctl status jenkins.service
● jenkins.service - Jenkins Continuous Integration Server
     Loaded: loaded (/lib/systemd/system/jenkins.service; enabled; vendor preset: enabled)
     Active: active (running) since Tue 2023-01-10 11:40:11 UTC; 1min 5s ago
   Main PID: 6231 (java)
      Tasks: 36 (limit: 1143)
     Memory: 323.1M
        CPU: 43.245s
     CGroup: /system.slice/jenkins.service
             └─6231 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --we

Jan 10 11:39:38 ip-172-31-92-131 jenkins[6231]: 169495d4135445258b4d3b009fb8ab8b
Jan 10 11:39:38 ip-172-31-92-131 jenkins[6231]: This may also be found at: /var/lib/jenkins/secr
Jan 10 11:39:38 ip-172-31-92-131 jenkins[6231]: *************************************************
```

Getting Started

Unlock Jenkins

To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:

`/var/lib/jenkins/secrets/initialAdminPassword`

Please copy the password from either location and paste it below.

Administrator password

[   ]

Continue