Installation of Docker On RHEL/CentOS 7

Step 1: Install and Configure Docker

1. Install Docker on RHEL and CentOS 7

```
# yum install docker
```

```
Loading mirror speeds from cached hostfile
 * base: centos.excellmedia.net
 * epel: mirrors.hustunique.com
 * extras: centos.excellmedia.net
 * updates: centos.excellmedia.net
Resolving Dependencies
--> Running transaction check
---> Package docker.x86_64 0:1.8.2-10.el7.centos will be installed
--> Finished Dependency Resolution

Dependencies Resolved

================================================================================
 Package        Arch           Version                    Repository      Size
================================================================================
Installing:
 docker         x86_64         1.8.2-10.el7.centos        extras          10 M

Transaction Summary
================================================================================
Install  1 Package

Total download size: 10 M
Installed size: 46 M
Is this ok [y/d/N]: _
```

2. After, Docker package has been installed, start the daemon, check its status and enable it system wide using the below commands:

```
# systemctl start docker



# systemctl status docker
```

```
# systemctl enable docker
```

```
[root@tecmint ~]# systemctl start docker.service
[root@tecmint ~]# systemctl status docker.service
● docker.service - Docker Application Container Engine
   Loaded: loaded (/usr/lib/systemd/system/docker.service; disabled; vendor pres
et: disabled)
   Active: active (running) since Wed 2016-01-27 02:19:12 EST; 9s ago
     Docs: http://docs.docker.com
 Main PID: 3980 (docker)
   CGroup: /system.slice/docker.service
           └─3980 /usr/bin/docker daemon --selinux-enabled

Jan 27 02:19:12 tecmint docker[3980]: time="2016-01-27T02:19:12.587277045-0...e"
Jan 27 02:19:12 tecmint docker[3980]: time="2016-01-27T02:19:12.587329805-0...e"
Jan 27 02:19:12 tecmint docker[3980]: time="2016-01-27T02:19:12.589896374-0...1"
Jan 27 02:19:12 tecmint docker[3980]: time="2016-01-27T02:19:12.593921596-0...e"
Jan 27 02:19:12 tecmint docker[3980]: time="2016-01-27T02:19:12.802175913-0...."
Jan 27 02:19:12 tecmint docker[3980]: ..
Jan 27 02:19:12 tecmint docker[3980]: time="2016-01-27T02:19:12.825428906-0...."
Jan 27 02:19:12 tecmint docker[3980]: time="2016-01-27T02:19:12.825477738-0...n"
Jan 27 02:19:12 tecmint docker[3980]: time="2016-01-27T02:19:12.825515148-0...os
Jan 27 02:19:12 tecmint systemd[1]: Started Docker Application Container Engine.
Hint: Some lines were ellipsized, use -l to show in full.
[root@tecmint ~]# systemctl enable docker.service_
```

3. Finally, run a container test image to verify if Docker works properly, by issuing the following command:

```
# docker run hello-world
```

If you can see the below message, then everything is in the right place.

```
"Hello from Docker. This message shows that your installation appears to be working correctly."
```

```
975b84d108f1: Pull complete
Digest: sha256:8be990ef2aeb16dbcb9271ddfe2610fa6658d13f6dfb8bc72074cc1ca36966a7
Status: Downloaded newer image for hello-world:latest

Hello from Docker.
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:
 1. The Docker client contacted the Docker daemon.
 2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
 3. The Docker daemon created a new container from that image which runs the
    executable that produces the output you are currently reading.
 4. The Docker daemon streamed that output to the Docker client, which sent it
    to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
 $ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker Hub account:
 https://hub.docker.com

For more examples and ideas, visit:
 https://docs.docker.com/userguide/

[root@tecmint ~]# _
```