Docker Compose

Docker Compose: Docker Compose is a tool for defining and running multi-container applications. It is the key to unlocking a streamlined and efficient development and deployment experience.

- 1. The Compose file provides a way to document and configure all of the application's service dependencies (databases, queues, caches, web service APIs, etc).
- 2. Using the Compose command line tool you can create and start one or more containers for each dependency with a single command (docker compose up).
- To Compose the docker.
- 1st we have to install the Docker in Linux (yum install docker)
- After the installation we have to download the docker compose[sudo curl -fsSL
 - https://github.com/docker/compose/releases/download/v2.30.3/docker-c ompose-linux-x86_64 -o /home/docker-compose]. Here we can defined the path where we want to download our docker compose in place of the /home/docker-compose we can give any path.
- Now start the Docker{systemctl start docker}
- Now go to the path of docker-compose file where we downloded.
- Give the execution permmission to th docker file{chmod +x docker-compose}
- Create one file by extension *yml*{vi docker-compose.yml}.
- Add the container as shown below.

- Now save and exit(:wq!).
- To the run the container at a time, Give the Command {docker-compose up -d}

```
Foot@p-172-31-26-39/us/local/bin

Try 'mw --belp' for more information.
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Troot@p-172-31-26-39 bin| # mv docker-compose.yaml docker-compose.yml
Troot@p-172-31-26-39 bin| # docker-compose up -d
ZANN [0000] /usr/local/bin/docker-compose up -d
ZANN [0000] /usr/local/bin/docker-compose.yml the attribute 'version' is obsolete, it will be ignored, please remove it to avoid potential confusion
Tannot connect to the Docker daemon at unix:///var/run/docker.sock. Is the docker daemon running?
Troot@p-172-31-26-39 bin| # docker-compose up -d
ZANN [0000] /usr/local/bin/docker-compose up -d
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Troot@p-172-31-26-39 bin| # docker-compose up -d
ZANN [0000] /usr/local/bin/docker-compose up -d
ZANN [0000] /usr/local/b
```

 And can see the containers strart at time.(to check running Conatiners {docker ps}

```
      Vontainer my webapp2
      Started

      Vontainer my webapp1
      Started

      (root@ip-172-31-26-39 bin] # oldcker-compose.yml

      [root@ip-172-31-26-39 bin] # oldcker ps
      CREATED

      STATUS
      PORTS

      CONTAINER ID
      IMAGE

      COMMAND
      29 minutes ago

      Up 7 minutes
      0.0.0.0:8001->80/tcp, :::8001->80/tcp
      my_webapp2

      76a5f09900@ec nginx
      "/docker-entrypoint..."
      29 minutes ago
      Up 7 minutes
      0.0.0:8000->80/tcp, :::8000->80/tcp
      my_webapp1

      [root@ip-172-31-26-39 bin] #
      Image: Company to the compose of the compos
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