* CB FSD - Integration and Deployment

Day 3 : 12 July 2024

If we want to run more than one container and those container running independently or interact with each other to share the data

Angular container Spring boot container mysql container

OS Os Os

http protocol TCP/IP

docker compose : docker compose provide toolkit which help to run more than one container and those container work independently as well as they can interact with each others. To write these all container and image information we need to use docker-compose.yml or docker-compose.yaml. yaml (yet another markup language).

Inside this file we write all image and container information details.

Below command remove all images, all stopped container, cache and network.

docker system prune -a

if docker compose command not present please run below commands.

Download the current stable release of Docker Compose

sudo curl -L https://github.com/docker/compose/releases/latest/download/docker-compose-$(uname -s)-$(uname -m) -o /usr/local/bin/docker-compose

Give the permission

sudo chmod +x /usr/local/bin/docker-compose

docker-compose version

**docker-compose.yml**

version: '3.6'

services:

  hello-service:

    image: hello-world

  ng-service:

    image: nginx:latest

    ports:

      - 80:80

  akash-service:

    image: akashkale/my-angular-test:a2

    ports:

      - 81:80

Then open the command prompt

docker-compose up

open another terminal and check all images and running container

docker images

docker ps

docker-compose up -d created and run in background

docker-compose down remove all container

docker-compose start start all container

docker-compose stop stop all container