Docker Compose File

1.few software services are truly stand alone.

2. Docker compose file is truly key value pair file, where we mention only key and value pair for our docker container and it will start a container with mentioned key value pair as configuration without docker container run command.

3. Docker compose file is basically a YAML file which.

We will only learn basics of YAML file require to prepare a docker compose file , rest if we wanna learn in detail refer below link

<https://www.tutorialspoint.com/yaml/yaml_basics.htm>

4. Refer the template file, which will explain the rough template of YAML file and basic key value pairs to be used in docker compose file.

If we consider an example in compose-sample-2 folder.

Below command:

**Docker-compose -f [compose\_file\_path] up :**  this command will look for file at mentioned path and as per configuration it will run a container with configuration mentioned in compose file

Example compose file:

**version: '3'**

**services:**

**proxy:**

**image: nginx:1.13 # this will use the latest version of 1.13.x**

**ports:**

**- '80:80' # expose 80 on host and sent to 80 in container**

**volumes:**

**- ./nginx.conf:/etc/nginx/conf.d/default.conf:ro**

**web:**

**image: httpd # this will use httpd:latest**

**Using Compose to Build:**

**services:**

**proxy:**

**build:**

**context: . # in this tag we usually mention where our image should be prepared**

**dockerfile: nginx.Dockerfile #This tag we usually mention the our path of custom docker file.**

**image: nginx-custom # will name the docker-image after building from docker file**

**ports:**

**- '80:80'**

**web:**

**image: httpd**

**volumes:**

**- ./html:/usr/local/apache2/htdocs/**