PPT – 2

TASK - 2

DEPLOY WORDPRESS WEB APPLICATION USING DOCKER-COMPOSE IN AWS

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DOCKER-COMPOSE

What is Docker compose used for?

Docker Compose is a tool that was developed to help define and share multi-container applications. With Compose, we can create a YAML file to define the services and with a single command, can spin everything up or tear it all down.

Example docker-compose.yml for wordpress:

```
version: '3.1'

services:

  wordpress:
    image: wordpress
    restart: always
    ports:
      - 8080:80
    environment:
      WORDPRESS_DB_HOST: db
      WORDPRESS_DB_USER: exampleuser
      WORDPRESS_DB_PASSWORD: examplepass
      WORDPRESS_DB_NAME: exampledb
    volumes:
      - wordpress:/var/www/html
```

```
  db:
    image: mysql:5.7
    restart: always
    environment:
      MYSQL_DATABASE: exampledb
      MYSQL_USER: exampleuser
      MYSQL_PASSWORD: examplepass
     MYSQL_RANDOM_ROOT_PASSWORD:'1'
    volumes:
      - db:/var/lib/mysql

volumes:
  wordpress:
  db:
```

CREATE THE RESOURCES

STEP – 1

1.Create ec2 instance
2.Connect to local mishene
3.Install docker and docker-compose
4.Pull mysql and wordpress images
5.Create a yaml file using vi command open [vi docker-compose.yml]
6.Write the yaml code inside the file code through install database mysql and wordpress
7.Excute the script using [docker-compose up –d]
8.Browse the ip address assain port 80 to show output

STEP – 2

1. Install word press application latest.tar.qz
2. Start wordpress files [tar xzvf latest.tar.gz]
3. Go into wordpress file and check list of files
4. Create a vi file [vi wp-config.php]
5. Open wp-config-sample.php to see data
6. Copy all the data wp-config-sample.php to wp-config.php
7. Open wp-config.php give database related information and generate new keys

STEP – 3

Push all the data to github

1. Create a reposatry
2. Clone the repo and go into the repo
3. Check status & add all the files
4. Commit changes & push

STEP – 4

Jenkins through deploy the code

1.Install java & Jenkins using aws

2.Install git

3.Create a free style project in Jenkins

4.Give git url & cradictionals

5.Give commands in excute shell

6.In excute shell give docker and docker-compose installation commands

7.Build the job & after seen the output u can browse public ip assain port 80 they show output

THANK YOU

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