Docker

1 What is the difference between ADD and COPY in dockerfile?

2 What is the difference between CMD and ENTRYPOINT in dockerfile?

3 List the dockerfile keywords that you have used

5 Explain the micro services architecture that you have setup using docker compose

6 Can you write a sample docker compose file to setup a multi container architecture

8 How do you create images in docker?

9 Do you have experience in setting up a docker private registry?

10 How can we see the logs of a container?

11 What are the different types of volumes and explain where you have used them

25. Did you write any docker files? give me explanation?

Ans: I have written Docker files which are configuration files used to build Docker images that can run containerized applications. A Docker file contains instructions on how to build an image by specifying a base image, adding custom configurations, and installing dependencies.

26. What is difference between copy and add?

Ans: COPY instruction just copies the files from the local host machine to the container file system. ADD is also used to copy the files and retrieve files from remote URL's

27.what is difference between CMD and entry point?

Ans: CMD specifies the default command to be executed when running a container. Entry point specifies the command to be executed when running the container, and any additional arguments are passed as parameters to the command.

28.can, you explain docker structure?

Ans: Docker is a software platform that uses containerization to enable the creation and deployment of applications as portable, self-sufficient containers.

29. can you explain docker image?

Ans: A Docker image is a lightweight, standalone, executable package that contains everything needed to run an application, including the code, a runtime, libraries, and dependencies.

30. can you explain docker containers?

Ans: Docker containers are lightweight, standalone, and executable packages that contain all the necessary components to run a piece of software, including code, libraries, and system tools, in a consistent and isolated environment.

31.how to create image using docker file?

Ans: docker build -t .

32.can, you write docker file for installation tomcat?

Ans:

FROM ubuntu

MAINTAINER thej

RUN apt update -y;apt install tomcat9 -y;apt install tomcat9-admin -y

RUN apt install vim -y

RUN echo "\n\ \t\n\ " > /etc/tomcat9/tomcat-users.xml

EXPOSE 8080

33.differene between docker and virtual machines?

Ans: Docker is a containerization platform that virtualizes the operating system at the application level, while virtual machines virtualize the entire operating system and hardware.

34.what is docker engine?

Ans: Docker Engine is a containerization platform that allows developers to package, deploy, and run applications in isolated environments called containers.

35.explain architecture docker?

Ans: Docker is a containerization platform that uses a client-server architecture to package and isolate applications with their dependencies into portable and lightweight containers.

36.how to run containers?

Ans: docker run –name -d -P

37.how to delete containers?

 Ans: docker rm -f

38.how to see list of containers?

 Ans: Docker container ls

39.how to add volume in dockers?

Ans: docker run -v : image name

1.Current roles & responsibilities?

2.What is Docker compose?

3.What is Docker server version?

4.What are the advantages of Docker?

6.How do create Docker image from Docker file?

8. What is Docker data centre?

9. What is Docker hub & uses?

10. **What are the types of Docker networks?**

11. **How do you define network in the Docker compose file?**

12. **What are the basic parameters required in the Docker compose file?**

14. **What is overlay networking?**

15. **How to communicate between 2 containers present in separate network?**

16. **How to store the data present in the Docker container in the AWS?**

17. **If we define the Docker volume in the docker compose file is it possible to share data with the EFS, NFS?**

18. **Differnce between image and container**

19. **How to Run containers**

20. **Why we need to mention dual ports(8080:8080) in docker run command**

21. **.Differnce between Copy and Add**

22.**How to write a docker file to deploy a war file**

i. **We have private repository and don't have base images .how can deploy a war file?**

ii. **Write a simple docker file to deploy a war file by using base images?**

23. **Difference between docker compose and docker swarm**

24. **why we need to use docker compose?**

25. **Tell me about Docker Network.**