

Docker MCQs: Basics Covered

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make the multiple choice questions on the topics Dockers, cover everything regarding docker, each question must have 4 choices and mark the correct one also



Sure, here are multiple-choice questions covering various aspects of Docker:

Docker Basics

1. What is Docker?

- A. A programming language
- B. A cloud service provider
- C. A containerization platform
- D. An operating system
- **Correct Answer: C**

2. Which command is used to start a Docker container?

- A. docker run
- B. docker start
- C. docker begin
- D. docker launch
- **Correct Answer: A**

Docker Installation

3. Which of the following is a prerequisite for installing Docker on a Linux system?

- A. Apache server
- B. Microsoft .NET
- C. Hyper-V
- D. A 64-bit architecture
- **Correct Answer: D**

4. On which operating system can Docker be installed?

- A. Windows
- B. macOS
- C. Linux
- D. All of the above
- **Correct Answer: D**

Docker Images

5. Where are Docker images stored?

- A. Docker Hub
- B. GitHub
- C. Google Drive
- D. AWS S3
- **Correct Answer: A**

6. Which command is used to build a Docker image from a Dockerfile?

- A. docker create
- B. docker build
- C. docker compile
- D. docker generate
- **Correct Answer: B**

Docker Containers

7. What is a Docker container?

- A. A virtual machine
- B. A lightweight, standalone, executable package of software
- C. A type of database
- D. A programming library
- **Correct Answer: B**

8. Which command lists all running Docker containers?

- A. docker ps
- B. docker list
- C. docker show
- D. docker display
- **Correct Answer: A**

Docker Networking

9. Which network driver does Docker use by default?

- A. host
- B. bridge
- C. none
- D. overlay
- **Correct Answer: B**

10. What is the purpose of Docker Compose?

- A. To build Docker images
- B. To manage Docker networks
- C. To define and run multi-container Docker applications

- D. To monitor Docker containers
- **Correct Answer: C**

Docker Volumes

11. What is a Docker volume?

- A. A way to store data persistently outside of the container's filesystem
- B. A command to start a container
- C. A type of network
- D. A way to monitor container performance
- **Correct Answer: A**

12. Which command creates a new volume in Docker?

- A. docker volume create
- B. docker volume new
- C. docker volume add
- D. docker volume init
- **Correct Answer: A**

Docker Swarm and Orchestration

13. What is Docker Swarm?

- A. A configuration file for Docker containers
- B. A container networking tool
- C. Docker's native clustering and orchestration tool
- D. A monitoring tool for Docker containers
- **Correct Answer: C**

14. Which command initializes a Docker Swarm?

- A. docker swarm init
- B. docker swarm create
- C. docker swarm start
- D. docker swarm launch
- **Correct Answer: A**

Docker Security

15. Which of the following is a best practice for securing Docker?

- A. Run containers with root privileges
- B. Use official images from Docker Hub
- C. Disable all firewall rules
- D. Store sensitive data inside containers
- **Correct Answer: B**

16. How can you limit the resources a Docker container can use?

- A. By configuring the host machine's BIOS
- B. By using the docker run command with resource limits
- C. By modifying the container's code
- D. By editing the Dockerfile
- **Correct Answer: B**

Advanced Docker

17. Which of the following is true about Docker Compose?

- A. It is used to deploy Kubernetes clusters
- B. It is used to build Docker images
- C. It is used to define and manage multi-container applications
- D. It is used to manage Docker networking
- **Correct Answer: C**

18. What is the primary function of Docker Hub?

- A. To host Docker images and repositories
- B. To provide analytics for Docker containers
- C. To monitor Docker container performance
- D. To manage Docker Swarm clusters
- **Correct Answer: A**

Miscellaneous

19. Which of the following commands removes all stopped containers?

- A. docker container prune
- B. docker container delete
- C. docker container remove
- D. docker container clean
- **Correct Answer: A**

20. How do you stop a running Docker container?

- A. docker stop <container_id>
- B. docker terminate <container_id>
- C. docker end <container_id>
- D. docker halt <container_id>
- **Correct Answer: A**

These questions cover a wide range of Docker concepts, from basics to advanced topics, providing a comprehensive review.



can you make more questions?



Sure, here are additional questions to further cover various aspects of Docker:

Docker CLI

21. Which command shows the version of Docker installed on your system?

- A. docker -v
- B. docker --version
- C. docker version
- D. docker --show-version
- **Correct Answer: C**

22. How do you remove a Docker image?

- A. docker image rm <image_id>
- B. docker image delete <image_id>
- C. docker image remove <image_id>
- D. docker image clean <image_id>
- **Correct Answer: A**

Docker Compose

23. Which file format is used by Docker Compose to define multi-container applications?

- A. JSON
- B. XML
- C. YAML
- D. INI
- **Correct Answer: C**

24. Which command is used to start services defined in a Docker Compose file?

- A. docker-compose up
- B. docker-compose start
- C. docker-compose run
- D. docker-compose init
- **Correct Answer: A**

Docker Networking

25. Which of the following commands is used to create a new Docker network?

- A. docker network add
- B. docker network new
- C. docker network create
- D. docker network init
- **Correct Answer: C**

26. What is the default network mode for Docker containers?

- A. host
- B. bridge
- C. none
- D. overlay
- **Correct Answer: B**

Dockerfile

27. Which Dockerfile instruction is used to specify the base image?

- A. BASE
- B. FROM
- C. IMAGE
- D. START
- **Correct Answer: B**

28. Which Dockerfile instruction copies files from the host to the Docker image?

- A. ADD
- B. COPY
- C. MOVE
- D. TRANSFER
- **Correct Answer: B**

Docker Registry

29. What is Docker Hub?

- A. A registry for storing Docker images
- B. A tool for building Docker images
- C. A CLI command for managing Docker containers
- D. A GUI for monitoring Docker containers
- **Correct Answer: A**

30. Which command pushes a Docker image to a registry?

- A. docker push <image_name>
- B. docker upload <image_name>
- C. docker send <image_name>
- D. docker deploy <image_name>
- **Correct Answer: A**

Docker Volumes

31. How do you attach a volume to a Docker container?

- A. Using the -v flag with docker run
- B. Using the --volume flag with docker create
- C. Using the --attach flag with docker start

- D. Using the -vol flag with docker launch
- **Correct Answer: A**

32. What is the primary purpose of Docker volumes?

- A. To store container logs
- B. To share data between containers and the host
- C. To improve container performance
- D. To monitor container resource usage
- **Correct Answer: B**

Docker Swarm

33. Which command adds a worker node to a Docker Swarm?

- A. docker swarm join
- B. docker swarm add
- C. docker swarm connect
- D. docker swarm link
- **Correct Answer: A**

34. How do you list all nodes in a Docker Swarm?

- A. docker node ls
- B. docker node list
- C. docker node show
- D. docker node display
- **Correct Answer: A**

Docker Security

35. Which command is used to sign Docker images for security?

- A. docker sign
- B. docker trust sign
- C. docker secure
- D. docker verify
- **Correct Answer: B**

36. What is the purpose of Docker Content Trust (DCT)?

- A. To encrypt Docker images
- B. To verify the integrity and publisher of Docker images
- C. To monitor Docker container logs
- D. To manage Docker Swarm clusters
- **Correct Answer: B**

Docker Best Practices

37. Which of the following is a best practice when writing Dockerfiles?

- A. Use multiple FROM instructions
- B. Minimize the number of layers
- C. Always use the latest tag for base images
- D. Store secrets in the Dockerfile
- **Correct Answer: B**

38. What is the recommended way to handle sensitive information like passwords in Docker?

- A. Hardcode them in the Dockerfile
- B. Pass them as environment variables
- C. Use Docker secrets
- D. Store them in the container's filesystem
- **Correct Answer: C**

Advanced Docker

39. What is the primary purpose of Docker's overlay network driver?

- A. To provide networking for single-host containers
- B. To enable encrypted communication between containers on different hosts
- C. To enhance container storage capabilities
- D. To monitor container health
- **Correct Answer: B**

40. Which command is used to create a Docker service in a Swarm?

- A. docker service create
- B. docker service start
- C. docker service init
- D. docker service deploy
- **Correct Answer: A**

These questions further extend the coverage of Docker concepts, providing a thorough examination of Docker's functionalities and best practices.

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