





100+ must know Docker interview questions and answers 2025

Are you a proficient Docker developer who wants to work in a top Silicon Valley company, or are you looking for brilliant Docker developers to assemble your dream team? Look no further. These are the 10 must-know Docker interview questions prepared for you to ace your Docker interview.

Apply as Docker developer

I'm hiring developers

I'm looking for jobs

Last updated on Jun 20, 2025

Share this











Docker has revolutionized the way software applications are developed, deployed, and run. It offers a framework for containerization that enables the packaging and isolation of programs together with their dependencies. With the increasing adoption of Docker in the industry, it's essential for software developers to have a strong understanding of its concepts and practices.





build a skilled and proficient team, this guide will help you assess candidates' Docker expertise effectively.

Table of contents

Basic Docker interview questions and answers (42)

Intermediate Docker interview questions and answers (32)

Advanced Docker interview questions and answers (36)

BASIC DOCKER INTERVIEW QUESTIONS AND ANSWERS

1. What is the difference between a container and a virtual machine?

Hide Answer

A container is an isolated and lightweight runtime environment that shares the host system's OS kernel, libraries, and resources. It provides process-level isolation and allows applications to run consistently across different environments.

On the other hand, a virtual machine is a complete and independent OS installation running on virtualized hardware, providing full isolation and running multiple instances of OS and applications.

2. What is Docker Engine?

Hide Answer

Docker Engine is a client-server application that provides the core functionality for building, running, and managing Docker containers. It consists of a Docker daemon (server) and a Docker CLI (client) that communicate with each other. The Docker Engine





3. What is a Docker image?

Hide Answer

A Docker image is a lightweight, standalone, and executable software package that includes everything needed to run a piece of software including the code, runtime, libraries, dependencies, and system tools. It is created from a set of instructions defined in a Dockerfile and can be used to create Docker containers.

4. What is Docker Hub?

Hide Answer

Docker Hub is a cloud-based registry provided by Docker that allows developers to store, share, and distribute Docker images. It provides a central repository of public and private Docker images. This makes it easy to discover and access pre-built images created by the Docker community and other organizations.

5. How do you create a Docker container from an image?

Hide Answer

To create a Docker container from an image, you use the **docker run** command followed by the image name. For example, **docker run myimage:tag** will create and start a new container based on the specified image. Additional options can be provided to configure container settings such as networking, volume mounts, environment variables, and more.

6. What is a Dockerfile?





commands to copy files, install packages, set environment variables, and execute other actions required to create a Docker image.

7. Talk about hypervisors and their functions.

Hide Answer

A hypervisor, also known as the Virtual Machine Monitor, is a piece of software that allows virtualization to take place. This splits the host system's resources and distributes them to each deployed guest environment.

This implies that on a single host system, different operating systems may be installed. There are two types of hypervisors:

- **Native Hypervisor**: Also known as a Bare-metal Hypervisor, this form of hypervisor operates directly on the underlying host system, allowing direct access to the host hardware and eliminating the need for a base OS.
- **Hosted Hypervisor:** This form uses the underlying host operating system, which already has an operating system installed.

8. How do you build a Docker image using a Dockerfile?

Hide Answer

To build a Docker image using a Dockerfile, you use the **docker build** command followed by the path to the directory containing the Dockerfile. For example, **docker build -t myimage:tag**. will build an image named **myimage** with the specified tag using the Dockerfile in the current directory. The Docker daemon reads the instructions from the Dockerfile and builds the image layer by layer.





Hide Answer

To start a Docker container, you use the **docker start** command followed by the container ID or name. For example, **docker start mycontainer** will start a container named **mycontainer**. To stop a running container, you use the docker stop command followed by the container ID or name. For example, **docker stop mycontainer** will stop the container.

10. List down the components of Docker.

Hide Answer

The following are the three primary Docker components:

- **Docker Client**: Performs To communicate with the Docker Host, use the Docker build and run procedures. The Docker command then uses the Docker API to conduct any queries that need to be run.
- Docker Host: It is a service that allows you to host Docker containers. The Docker daemon, containers, and accompanying images are all included in this package. A connection is established between the Docker daemon and the Registry. The type of metadata related to containerized apps is saved pictures.
- Registry: Docker images are kept in this folder. A public register and a private registry
 are also available. Docker Hub and Docker Cloud are two open registries that
 anybody can utilize.

11. How do you remove a Docker container?

Hide Answer

To remove a Docker container, you use the **docker rm** command followed by the container ID or name. For example, **docker rm mycontainer** will remove a container





12. How can you remove all stopped containers and unused networks in Docker?

Hide Answer

Prune is a command that gets rid of all of your stopped containers, unused networks, caches, and hanging images. Prune is one of Docker's most helpful commands. The syntax is, prune docker system \$.

13. When a container exists, is it possible for you to lose data?

Hide Answer

No, it is impossible to lose any data as long as a container exists. Until the said container is deleted by you, you will not lose any data stored in that container.

14. What is Docker Compose?

Hide Answer

Docker Compose is an essential tool in the Docker ecosystem that facilitates the management of multi-container applications. It is a command-line tool that allows developers to define and run multi-container Docker applications using a simple YAML file called a "docker-compose.yml."

With Docker Compose, developers can define the services, networks, and volumes required for their application stack, streamlining the process of deploying and orchestrating interconnected containers.

15. Is there a limit on how many containers you can run in Docker?





restriction. If your program isn't too large and you have plenty of CPU resources, we can run a lot of containers.

16. Differentiate between Container Logging and Daemon Logging.

Hide Answer

Logging is supported at two levels in Docker: at the Daemon level and the Container level.

Daemon Logging

Debug, Info, Error, and Fatal are the four levels of logging used by daemons.

Debug keeps track of everything that happened throughout the daemon's operation.

During the execution of the daemon process, info carries all of the information as well as error information.

Errors refer to errors that happened during the daemon process' execution. Fatal refers to execution faults that resulted in death.

Container Level Logging

You can perform container level logging by executing this command: sudo docker run

-it <container_name> /bin/bash

To check for container-level logs,

enter: sudo docker logs <container_id>.

17. How will you use Docker for multiple application environments?

Hide Answer

Docker's compose capability will come in handy here. You should describe various services, networks, and containers, as well as volume mapping, in a tidy manner in the





may be dev, staging, uat, or production servers. For example, you should create environment-specific docker-compose files with the name "docker-compose.environment.yml" and then based on the environment, set it up and execute the application.

18. Does Docker provide support for IPV6?

Hide Answer

Docker does, in fact, support IPv6. Only Docker daemons running on Linux servers support IPv6 networking. However, if you want the Docker daemon to support IPv6, you must edit /etc/docker/daemon.json and change the jpv6 key to true.

19. How do you scale Docker containers horizontally?

Hide Answer

To scale Docker containers horizontally, you can use Docker Swarm or a container orchestration tool like Kubernetes. With Docker Swarm, you can create a cluster of Docker nodes and use the **docker service** command to scale the desired number of replicas for service across multiple nodes. For example, **docker service scale**myservice=5 will scale the service named myservice to 5 replicas.

20. What is the difference between the CMD and ENTRYPOINT instructions in a Dockerfile?

Hide Answer

Here are some differences between CMD and ENTRYPOINT:





Fulpose	arguments for the container.	that are always executed when the container starts.
Arguments	CMD allows providing default arguments that can be overridden when running the container.	ENTRYPOINT sets the main command and arguments, and any additional arguments provided when running the container are appended to the end of the ENTRYPOINT command.
Dockerfile Order	CMD should generally be placed at the end of the Dockerfile.	ENTRYPOINT should generally be placed at the beginning of the Dockerfile.
Best Practices	CMD is commonly used to define the default command that should be executed when the container starts without specifying a command.	ENTRYPOINT is often used in combination with CMD to provide a flexible and customizable command structure for the container. By setting the ENTRYPOINT to a specific command and the CMD to default arguments, users can easily override the default behavior without modifying the Dockerfile.

21. What is the purpose of volumes in Docker?

Hide Answer

Volumes in Docker are used to persist and share data between containers and between containers and the host system. They provide a way to store and manage data separately from the container's lifecycle, ensuring that data is preserved even if the container is stopped or removed. Volumes can be used for database files, application configurations, log files, and other types of persistent data.

22. Is it possible for a container to restart by itself?

Hide Answer

Yes, but only when specific docker-defined rules are used in conjunction with the docker run command. The policies that are accessible are as follows:





unifoldica to the user.

- **Unless-stopped**: This policy assures that a container may only resume when the user issues a command to stop it.
- Always: In this form of policy, regardless of failure or stoppage, the container is always resumed.

This is how you use these policies:

docker run -dit — restart [restart-policy-value] [container_name]

23. How do you expose ports in a Docker container?

Hide Answer

Ports can be exposed in a Docker container by using the -p or --publish option with the docker run command. For example, **docker run -p 8080:80 mycontainer** will expose port 80 in the container and map it to port 8080 on the host system. This allows traffic to reach the container's application through the specified host port.

24. How do you pass environment variables to a Docker container?

Hide Answer

Environment variables can be passed to a Docker container using the -e or --env option with the docker run command. For example, docker run -e MY_VAR=myvalue mycontainer will set the environment variable MY_VAR to myvalue within the container. Multiple environment variables can be passed by specifying multiple -e options or by using a .env file.

25. What is the difference between Docker restart policies "no", "on-failure", and "always"?





Docker restarts. The "no" restart policy means Docker will not restart the container if it exits. The "on-failure" restart policy specifies that Docker will restart the container only if it exits with a non-zero exit code. The "always" restart policy tells Docker to always restart the container regardless of its exit status.

26. What is the purpose of the Docker registry?

Hide Answer

The Docker registry is a centralized repository that stores Docker images. It serves as a distribution and collaboration platform, allowing users to publish, discover, and retrieve container images. The Docker registry can be either Docker Hub or a private registry. It provides a reliable source for sharing and deploying containerized applications.

27. What is the difference between a Docker image and a container?

Hide Answer

Here are some of the differences between a Docker image and a Docker container:





	template that contains the application code, libraries, dependencies, and other resources needed to run a container. It serves as a snapshot of the filesystem and configuration of the application.	instance of a Docker image. It is a lightweight, isolated, and executable environment that runs on top of the host operating system.
Nature	Images are static and immutable. Once created, an image's contents cannot be changed. To make changes, a new image version must be built.	Containers are dynamic and mutable. They can be created, started, stopped, restarted, and deleted. The changes made to a container do not affect the underlying image.
Usage	Images are used as the basis for containers. They provide the environment and files needed to run applications.	Containers are the actual runtime instances where applications are executed. They utilize the filesystem and settings from the associated image and can be started, stopped, and managed.
Lifecycle	The lifecycle of an image involves building, tagging, and pushing to a container registry (if needed). Images can be pulled from registries to create containers.	Containers have their lifecycle, including creation, starting, stopping, and removal. They can be committed to create a new image version if desired.
Modifiability	Images are usually designed to be immutable to maintain consistency and predictability. Changes are made by creating a new image version through the Dockerfile or layer updates.	Containers allow changes to the filesystem and configuration while the container is running. However, any changes made to the container's filesystem are not persisted after the container is stopped unless explicitly saved as a new image.

28. How do you update a Docker image?

Hide Answer

To update a Docker image, you typically rebuild it using an updated version of the source code or dependencies. This involves modifying the Dockerfile or build configuration, running the build process, and tagging the new image with an





29. What is the difference between a base image and a child image in Docker?

Hide Answer

A base image, also known as a parent image, is the starting point for building a Docker image. It provides the foundational software stack, OS, and runtime environment.

Meanwhile, a child image, also called a derived image, is created by extending or customizing a base image. It includes the base image's contents along with additional layers defined in the child image's Dockerfile. A child image inherits the base image's layers and can add its own modifications.

30. What is the purpose of the CMD instruction in a Dockerfile?

Hide Answer

The CMD instruction in a Dockerfile defines the default command and arguments that are executed when a container is run without specifying a command. It provides a way to set the container's main executable or script.

If the Dockerfile contains multiple CMD instructions, only the last one is used. The CMD instruction can be overridden by providing a command and arguments when running the container.

31. How do you inspect the metadata of a Docker image?

Hide Answer

You can inspect the metadata of a Docker image using the **docker image inspect** command followed by the image name or ID. For example, **docker image inspect myimage** will display detailed information about the specified image including its tags,





32. What is Docker Swarm?

Hide Answer

Docker Swarm is a native clustering and orchestration solution provided by Docker for managing a cluster of Docker nodes and deploying and scaling containerized applications. It allows users to turn a group of Docker hosts into a single, virtual Docker host, making it easier to manage and scale containerized applications across multiple nodes.

Docker Swarm provides features for service discovery, load balancing, rolling updates, scaling, and fault tolerance. It simplifies the deployment and management of containerized applications across a cluster of machines.

33. What is the difference between a Docker container and a Kubernetes pod?

Hide Answer

A Docker container is a lightweight and isolated runtime environment that runs a single instance of an application. It is managed by Docker and provides process-level isolation. On the other hand, a Kubernetes pod is a higher-level abstraction that can contain one or more Docker containers (or other container runtimes). Pods provide colocated and co-managed containers, sharing networking and storage resources within a Kubernetes cluster.

Docker containers are the core units of application packaging and isolation, while Kubernetes pods are higher-level abstractions that group one or more containers together within a shared context, simplifying their management and deployment in the Kubernetes environment.

34. How does Docker handle container isolation and security?





Namespaces provide process-level isolation, cgroups manage resource allocation, and seccomp restricts system calls. Docker also provides security features like user namespaces, image signing, and security scanning to protect against vulnerabilities.

35. What is the purpose of a Docker volume driver?

Hide Answer

A Docker volume driver is a plugin that extends Docker's volume management capabilities. It allows you to use external storage systems or services such as Docker volumes.

Volume drivers enable features like networked storage, distributed filesystems, and integration with cloud storage providers. They provide a flexible and scalable way to handle persistent data in Docker containers across different environments and infrastructure setups.

36. How do you deploy a Docker container to a remote host?

Hide Answer

To deploy a Docker container to a remote host, you typically build a Docker image locally and push it to a registry accessible by the remote host. Then, on the remote host, you pull the image from the registry and run it using the **docker run** command.

Alternatively, you can use container orchestration tools like Docker Swarm or Kubernetes to manage and deploy containers across a cluster of remote hosts.

37. What are the benefits of using Docker in a microservices architecture?





isolation and avoiding conflicts between dependencies.

Scalability: Docker containers can be easily scaled up or down to handle varying workloads, ensuring optimal resource utilization.

Deployment flexibility: Containers are portable and can be deployed consistently across different environments, making it easier to move or replicate microservices.

Service composition: Docker's container networking allows microservices to communicate with each other easily and securely.

Rapid iteration: Docker's fast image building and deployment enable rapid iteration and continuous delivery of microservices.

Rapid iteration: Docker's fast image building and deployment enable rapid iteration and continuous delivery of microservices.

38. How do you debug issues in a Docker container?

Hide Answer

There are several techniques to debug issues in a Docker container:

Logging: Docker captures the standard output and standard error streams of containers, making it easy to inspect logs using the **docker logs** command.

Shell access: You can access a running container's shell using the **docker exec** command with the -it option. This allows you to investigate and troubleshoot issues interactively.

Image inspection: You can inspect the Docker image's contents and configuration using **docker image inspect**. This lets you check for potential misconfigurations or missing dependencies.

Health checks: Docker supports defining health checks for containers, allowing you to monitor the health status and automatically restart or take action based on predefined conditions.





Hide Answer

The **docker exec** command is used to run a command within a running Docker container. It provides a way to execute commands inside a container's environment such as running a shell, running scripts, or interacting with running processes. For example, **docker exec -it mycontainer bash** opens a shell session within the container named **mycontainer**.

40. How do you limit the CPU and memory usage of a Docker container?

Hide Answer

Docker allows you to limit the CPU and memory usage of a container using resource constraints. You can set the CPU limit with the --cpu option and the memory limit with the --memory option when running the container using the docker run command.

For example, **docker run --cpu 2 --memory 1g mycontainer** limits the container to use a maximum of 2 CPU cores and 1GB of memory.

41. What is the significance of the "Dockerfile.lock" file?

Hide Answer

The "Dockerfile.lock" file is not a standard Docker file or artifact. It might refer to a file created by a specific build tool or framework that captures the state of the dependencies and build process at a given point in time.

It can be used to achieve deterministic builds, ensuring that the same set of dependencies and build steps are used consistently across different environments or when rebuilding the image.





Hide Answer

Multi-stage builds in Docker allow you to create optimized Docker images by leveraging multiple build stages. Each stage can use a different base image and perform specific build steps. To create a multi-stage build, you define multiple **FROM** instructions in the Dockerfile, each representing a different build stage.

Intermediate build artifacts can be copied between stages using the **COPY --from** instruction. This technique helps reduce the image size by excluding build tools and dependencies from the final image.

Looking for remote developer job at US companies?

Work at Fortune 500 companies and fast-scaling startups from the comfort of your home

Apply Now

INTERMEDIATE DOCKER INTERVIEW QUESTIONS AND ANSWERS

1. How do you link containers in Docker?

Hide Answer

Container linking is an older method of connecting containers in Docker. It is now considered legacy and not recommended for newer applications. Instead, it is recommended to use Docker networks to enable communication between containers.

2. What are Docker networks?





Docker networks can be created using different drivers, such as bridge, overlay, and host, depending on the specific requirements of the application.

3. How do you create a custom Docker network?

Hide Answer

To create a custom Docker network, you can use the **docker network create** command followed by the desired network name. For example:

docker network create mynetwork

This command creates a new custom network named "mynetwork" using the default bridge driver. You can also specify a different driver using the --driver option if needed.

4. What is the purpose of the bridge network driver in Docker?

Hide Answer

The bridge network driver is the most commonly used driver and is suitable for most applications. It provides a default network bridge called "bridge" that allows containers to communicate with each other on the same host. It enables containers to connect to each other and to the outside world through the host machine's network interface.

5. What are Docker volumes and how do they work?

Hide Answer

Docker volumes are a way to persist and share data between containers and the host machine. They are directories or file systems that exist outside the container's writable





pocker volumes provide a reliable and efficient method for storing data that needs to persist beyond the lifetime of a container.

6. How do you manage data persistence in Docker containers?

Hide Answer

Docker provides several options for managing data persistence in containers. One approach is to use Docker volumes, which allow you to create and attach volumes to containers. This ensures that the data persists even if the container is removed or replaced.

Another option is to mount host directories or files into containers using bind mounts, which provide a direct link between the container and the host file system. Additionally, you can leverage external storage systems or cloud-based solutions for storing data outside of the container environment.

7. How do you update a Docker container without losing data?

Hide Answer

The steps to update a Docker container without losing data are:

- Create a backup of any important data stored within the container.
- Stop the container gracefully using the **docker stop** command.
- Pull the latest version of the container image using docker pull.
- Start a new container using the updated image, making sure to map any necessary volumes or bind mounts.
- Verify that the new container is functioning correctly and that the data is still intact.

8. What is the difference between COPY and ADD instructions in a Dockerfile?





the container's filesystem. It is used for straightforward file copying.

On the other hand, the **ADD** instruction has additional capabilities. It can copy local files, extract compressed archives (tar, gzip, etc.) into the container, and even download files from URLs and automatically unpack them. Due to its added complexity and potential security risks, it is generally recommended to use **COPY** unless the extra functionality of **ADD** is explicitly required.

9. What are Docker labels and how do you use them?

Hide Answer

Docker labels are key-value metadata pairs that can be applied to Docker objects such as containers, images, and volumes. They provide a way to add custom metadata to these objects for organization, identification, and categorization purposes.

Labels can be set using the --label flag when creating or modifying Docker objects. They can be accessed and filtered using various Docker commands like **docker ps** or **docker inspect**.

10. How do you secure Docker containers?

Hide Answer

Securing Docker containers involves implementing a multi-layered approach. Some recommended practices include:

- Using trusted base images from reputable sources.
- Regularly updating Docker and the underlying host system with security patches.
- Employing secure configurations such as limiting container privileges and resources.
- Scanning container images for vulnerabilities using security tools.
- Implementing network segmentation and access controls.
- Enforcing strong authentication and access controls for Docker daemon.





measures like AppArmor or seccomp profiles.

11. How do you create a Docker Swarm cluster?

Hide Answer

These are the steps to create a Docker Swarm cluster:

- Initialize a Swarm on the manager node using the command docker swarm init.
- Join worker nodes to the Swarm by running the command provided by the previous step on each worker node.
- Verify the cluster status by executing docker node is on the manager node. It should show the manager and worker nodes as part of the Swarm.
- You now have a functioning Docker Swarm cluster and you can deploy and manage services using Swarm features.

12. What is the purpose of Docker secrets?

Hide Answer

Docker secrets provide a secure and convenient way to manage sensitive data, such as passwords, API keys, and certificates, within a Docker Swarm cluster. Secrets are encrypted and only made available to services that have explicit access. They help ensure that sensitive information is kept confidential and not exposed in clear text or stored in version control systems.

13. How do you manage secrets in Docker Swarm?

Hide Answer

To manage secrets in Docker Swarm, you can follow these steps:





- secret flag in the **docker service create** or **docker service update** commands.
- Within the service, the secret is made available as a file in the specified location (e.g., /run/secrets/<secret_name>). The service can read and use the secret from that file.

14. How does Docker handle service discovery in Swarm mode?

Hide Answer

In Docker Swarm mode, Docker provides an in-built service discovery mechanism. When you deploy a service to the Swarm cluster, it is automatically assigned a DNS name that can be used to reach the service internally.

Each service is accessible via its service name within the Swarm. Docker's built-in DNS server automatically resolves the service name to the appropriate container IP addresses. This enables seamless communication between services within the cluster.

15. What is Docker overlay networking?

Hide Answer

Docker overlay networking is a feature that allows multiple Docker hosts/nodes to communicate with each other across different physical or virtual networks. It enables containers running on different hosts to be part of the same virtual network even if they reside on separate physical networks.

Overlay networking is a key component in Docker Swarm mode and is used to create a distributed network fabric that spans the Swarm cluster.

16. What is the purpose of Docker container orchestration?





fault tolerance, and efficient resource utilization.

Container orchestration platforms like Docker Swarm, Kubernetes, or HashiCorp Nomad provide tools and features to simplify the management of containerized applications at scale.

17. How do you monitor Docker containers?

Hide Answer

There are various ways to monitor Docker containers, including:

- Using Docker's built-in container monitoring commands, such as docker stats and docker container stats, to view resource usage statistics.
- Integrating with container monitoring and logging tools like Prometheus, Grafana, or ELK stack (Elasticsearch, Logstash, Kibana) to collect and analyze container metrics and logs.
- Leveraging container orchestration platforms that offer built-in monitoring capabilities such as Docker Swarm's service metrics or Kubernetes' metrics API.
- Using specialized monitoring agents or tools that provide container-level insights and integration with broader monitoring and alerting systems.

18. What are some best practices for using Docker in production environments?

Hide Answer

Some best practices for using Docker in production environments include:

- Building and using lightweight container images to improve deployment speed and reduce the attack surface.
- Regularly updating Docker and the underlying host system with security patches.





and service discovery.

- Configuring resource limits for containers to prevent resource contention and ensure fair allocation.
- Monitoring container health, resource usage, and application metrics for performance optimization and troubleshooting.
- Implementing secure network configurations such as using private networks and encrypting container traffic.
- Backing up critical data and using volume or storage solutions that provide data persistence and redundancy.
- Implementing a comprehensive security strategy, including container vulnerability scanning, access controls, and least privilege principles.

19. How do you automate the deployment of Docker containers?

Hide Answer

The deployment of Docker containers can be automated using tools and practices like:

Docker Compose: Define the application's services, networks, and volumes in a Compose file. Use the docker-compose command to deploy the containers with a single command.

Docker Swarm or Kubernetes: Utilize container orchestration platforms to define and deploy the application as a service or a set of pods/replicas. This allows automatic scaling, load balancing, and self-healing capabilities.

Continuous integration/continuous deployment (CI/CD) pipelines: Integrate Docker into CI/CD workflows using tools like Jenkins, GitLab CI/CD, or CircleCI to automatically build, test, and deploy Docker containers based on code changes.

Infrastructure-as-code (IaC): Use tools like Terraform or AWS CloudFormation to define the infrastructure stack, including Docker hosts/clusters, networks, and storage, to enable automated provisioning and container deployment.





Hide Answer

Rolling updates in Docker Swarm can be performed by following these steps:

- Update the service you're interested in by replacing its current Docker image with a newer version.
- Use the **docker service update** command with the --update-parallelism and -- update-delay flags to control the number of containers updated simultaneously and the delay between updates.
- Docker Swarm will gradually update the containers in a rolling fashion, ensuring that the service remains available during the update process.
- Monitor the update progress using docker service ps < service-name > and check for any issues or failures.
- Once the update is complete, verify that the new version of the service is running as expected.

21. What is Docker content trust?

Hide Answer

Docker Content Trust is a security feature that uses digital signatures to verify the authenticity and integrity of Docker images. It ensures that only trusted and signed images are used in a Docker environment, preventing the execution of potentially malicious or tampered images.

When Docker Content Trust is enabled, Docker clients verify the authenticity of images using cryptographic keys before pulling and running them.

22. How do you use Docker with Kubernetes?





Kubernetes uses the Docker API to interact with Docker and perform container-related operations such as pulling images, creating containers, and managing their lifecycle. Docker images are typically stored in a container registry accessible to the Kubernetes cluster.

23. What are the differences between Docker Swarm and HashiCorp Nomad?

Hide Answer

Docker Swarm and HashiCorp Nomad are container orchestration platforms, but they have some differences:

- Swarm is Docker's built-in orchestration solution, tightly integrated with Docker.
 Nomad, on the other hand, is a general-purpose workload orchestrator that supports various types of workloads including containers.
- Swarm is primarily focused on managing Docker containers, whereas Nomad supports multiple container runtimes including Docker. It also supports other workload types such as VMs and standalone executables.
- Swarm provides a simpler and more straightforward setup and configuration compared to Nomad, which offers more flexibility and advanced features like job scheduling and multi-datacenter support.
- Nomad has a more decentralized architecture with separate agents running on each node. Swarm follows a more centralized model with manager and worker nodes.
- Swarm has tighter integration with other Docker tools and ecosystem components.
 Nomad offers a broader set of integrations and can be used with various infrastructure providers.

24. How do you configure automatic container restarts in Docker?





only if the container exits with a non-zero exit status), and "unless-stopped" (restart always except when explicitly stopped).

For example, to configure a container to automatically restart, you can use the following command:

docker run --restart=always <image>

25. What is the role of the Docker API in container management?

Hide Answer

The Docker API provides a programmatic interface to interact with the Docker daemon and manage containers, images, networks, and other Docker resources. It allows developers and system administrators to automate container-related tasks. These include creating and managing containers, pulling and pushing images, inspecting container status, and interacting with Docker Swarm or other orchestration platforms.

The Docker API is used by various tools and libraries to integrate Docker into larger systems or build custom container management solutions.

26. How do you share data between containers in Docker?

Hide Answer

Docker provides several ways to share data between containers:

Using Docker volumes: Create a shared volume and mount it into multiple containers. Changes made by one container will be visible to others sharing the same volume.

Sharing a directory: Mount a host directory into multiple containers, allowing them to read and write data to the shared directory on the host machine.

Utilizing network services: Containers can communicate with each other over the network using exposed ports or internal network connections.





27. How do you manage network connectivity between Docker containers and the host machine?

Hide Answer

Docker manages network connectivity between containers and the host machine using virtual network interfaces. By default, Docker sets up a bridge network interface on the host that connects to containers using internal IP addresses. Containers can communicate with each other through the bridge network and with the outside world through the host machine's network interface.

Docker also provides options to create custom networks and specify network configurations, such as IP ranges, DNS settings, and port mappings, to control network connectivity between containers and the host.

28. What is the purpose of the "docker network inspect" command?

Hide Answer

The **docker network inspect** command is used to retrieve detailed information about a Docker network. It provides information such as the network's name, ID, driver, subnet configuration, connected containers, and other properties.

This command is useful for troubleshooting network connectivity issues, verifying network configurations, and obtaining information about network interfaces and IP addresses associated with containers.

29. How do you configure health checks for Docker containers?





periodically checks the container's health status.

Docker monitors the output of the health check command and updates the container's health status accordingly. Health check options can also be specified in the **docker run** command using flags like --health-cmd, --health-interval, and --health-retries.

30. How do you configure a custom logging driver in Docker?

Hide Answer

To configure a custom logging driver in Docker, you can follow these steps:

- Create a custom logging driver plugin or ensure that the desired logging driver is installed and available on the Docker host.
- Modify the Docker daemon configuration file (usually located at /etc/docker/daemon.json) to include the logging driver configuration.

For example:

```
{ "log-driver": "mycustomdriver", "log-opts": { "option1": "value1", "option2": "value2" } }
```

Replace "mycustomdriver" with the name of the custom logging driver and configure any additional options specific to the driver.

- Restart the Docker daemon for the changes to take effect.
- Start containers with the custom logging driver using the --log-driver flag.

For example:

docker run --log-driver=mycustomdriver < image >

31. What is the purpose of the "docker system prune" command?

Hide Answer

The **docker system prune** command is used to clean up unused Docker resources including stopped containers, unused networks, dangling images, and unused volumes.





Note: The **aocker system prune** command should be used with caution as it permanently deletes unused resources. Any data associated with them will be lost.

32. How do you use Docker secrets in a non-Swarm environment?

Hide Answer

Docker secrets are primarily designed for Docker Swarm environments. However, in a non-Swarm environment, you can still utilize secret management solutions provided by external tools or by your container orchestration platform.

For example, if you are using Kubernetes, you can leverage Kubernetes Secrets to manage and inject sensitive data into containers. Alternatively, you can use environment variables, encrypted configuration files, and secure key management systems to handle sensitive information within individual containers.

The approach will depend on the specific requirements and tools used in your non-Swarm environment.

Looking for remote developer job at US companies?

Work at Fortune 500 companies and fast-scaling startups from the comfort of your home

Apply Now

ADVANCED DOCKER INTERVIEW QUESTIONS AND ANSWERS

1. How do you achieve high availability with Docker Swarm?





to operate even if one or more manager nodes become unavailable.

Additionally, by using Docker's built-in swarm mode features like service replication, automatic container rescheduling, and distributed application placement, the swarm can distribute containers across multiple worker nodes. This ensures high availability and fault tolerance.

2. What are the differences between Docker Swarm and Kubernetes?

Hide Answer

Docker Swarm and Kubernetes are both container orchestration platforms, but they have some key differences.

Docker Swarm is Docker's native orchestration tool and is simpler to set up and use compared to Kubernetes. Swarm has a smaller learning curve and is ideal for smaller-scale deployments.

On the other hand, Kubernetes is a more complex and feature-rich platform with a larger ecosystem. It provides advanced features like automatic scaling, rolling updates, service discovery, and load balancing. It is better suited for larger-scale and more complex deployments.

3. How do you implement blue-green deployments with Docker?

Hide Answer

Blue-green deployments can be implemented with Docker by following these steps:

- Set up two identical environments, each with its own Docker Swarm cluster.
- Deploy the new version of your application to the "blue" environment.
- Verify and test the new version in the "blue" environment.
- Once the new version is deemed stable, switch the load balancer or routing rules to route traffic to the "blue" environment.





the load balancer or routing rules.

 Once you are confident in the stability of the "blue" environment, the "green" environment can be updated with the new version for future deployments.

4. What is the purpose of the Docker Config feature in Swarm mode?

Hide Answer

The Docker Config feature in Swarm mode allows you to manage and distribute configuration files to services running in the Swarm cluster. It decouples the configuration from the container image, making it easier to update configurations without rebuilding or redeploying containers.

Configs can be created from a file or directly from an external data source. The Config feature ensures that services in the swarm cluster use the correct and up-to-date configurations. This simplifies the management of application settings and reduces the need for manual intervention.

5. How do you manage secrets in Docker using external secret stores?

Hide Answer

Docker provides support for managing secrets securely using external secret stores. To manage secrets in Docker, you can:

- Create or obtain the required secret values
- Store the secrets in an external secret store like HashiCorp Vault or Azure Key Vault
- Configure Docker to use the external secret store as the backend for secret management
- Create secrets in Docker Swarm or Kubernetes using the Docker CLI or API, referencing the secret values stored in the external secret store





6. What is the purpose of the health check feature in Docker?

Hide Answer

The health check feature in Docker allows you to define a command or a script that periodically checks the health of a containerized application. Docker monitors the health check and provides information about the container's health status.

This information can be used by orchestrators like Docker Swarm or Kubernetes to make informed decisions about container lifecycle management such as restarting or rescheduling unhealthy containers. The health check feature helps ensure the availability and reliability of applications running in Docker containers.

7. How do you securely manage secrets in a Dockerized application?

Hide Answer

Docker provides a built-in mechanism called Docker Swarm Secrets to securely manage sensitive information like passwords, API keys, or certificates.

Using Docker Swarm Secrets:

Create a secret:

echo "mysecretpassword" | docker secret create my secret -

Deploy the service with the secret:





image: myapp_image:latest
 secrets:
 - my_secret
secrets:
 my_secret:

external: true

In this example, we create a secret called my_secret and use it in the myapp service.

The actual secret value is not stored in the Docker Compose file, enhancing security.

8. How do you achieve load balancing with Docker Swarm?

Hide Answer

Load balancing in Docker Swarm can be achieved by using the built-in load balancing feature. When a service is deployed in a Docker Swarm cluster, multiple containers are created to run the service.

The Swarm's load balancer automatically distributes incoming requests across the available containers running the service, ensuring that the load is evenly distributed. This provides high availability and scalability for the application.

Additionally, you can configure advanced load balancing options such as session stickiness and routing modes to customize the behavior of the load balancer according to your application's requirements.

9. What is Docker's support for GPU acceleration?

Hide Answer

Docker provides support for GPU acceleration through the use of NVIDIA Docker. NVIDIA Docker is a toolkit that extends Docker's capabilities to work seamlessly with NVIDIA GPUs. It allows containers to access and utilize the GPU resources available on the host system, enabling GPU-accelerated computations within Docker containers.





10. How do you troubleshoot issues with Docker containers?

Hide Answer

Troubleshooting Docker containers involves several steps:

- Check the container's logs for any error messages or abnormal behavior using the docker logs command.
- Inspect the container's metadata and runtime details with commands like docker inspect or docker stats.
- Verify the container's resource allocation and constraints such as CPU and memory limits.
- Check the host system's logs for any related issues or resource constraints.
- If networking issues are suspected, examine the container's network configuration and connectivity.
- Ensure that the Docker daemon and related services are running correctly.
- Consult the Docker documentation, community forums, and relevant online resources for specific error messages or known issues.
- If necessary, recreate or redeploy the container to rule out any configuration or staterelated issues.

11. What are some common Docker security vulnerabilities and how do you mitigate them?

Hide Answer

Common Docker security vulnerabilities and their mitigation include:

Insecure container images: Mitigate by using official or trusted images from reputable sources. Regularly update images to patch vulnerabilities and scan images for known security issues.





Inadequate container isolation: Mitigate by using appropriate resource constraints. Leverage Docker's built-in isolation mechanisms like namespaces and control groups, and enable container runtime security features like AppArmor or SELinux.

Unsecured Docker daemon: Mitigate by securing the Docker daemon with TLS certificates. Enable access control with user authentication and authorization. Use firewall rules to limit network access to the Docker daemon.

Insider threats: Mitigate by implementing strong access control policies, regularly auditing and monitoring container activities, and educating users about security best practices.

Network security risks: Mitigate by securing container network communications using encryption and network segmentation. Regularly update Docker to benefit from security patches and fixes.

12. How do you monitor Docker container resource usage?

Hide Answer

Docker provides several options for monitoring container resource usage:

Docker Stats: Use the **docker stats** command to view real-time resource usage statistics of running containers including CPU, memory, network, and disk I/O.

Container-specific monitoring tools: Utilize container monitoring tools like Prometheus, cAdvisor, or Datadog which collect and aggregate resource metrics from Docker containers for monitoring and analysis.

Docker API: Query the Docker API to retrieve container resource metrics programmatically. The API provides endpoints for accessing detailed container statistics and usage information.

Container orchestration platforms: Platforms like Docker Swarm or Kubernetes typically offer built-in container monitoring capabilities, allowing you to monitor and visualize container resource usage at scale.





Hide Answer

Docker Swarm provides built-in support for automating the scaling of services. To automate service scaling in Swarm mode, you can:

- Set the desired number of replicas for the service during service creation or update
- Define scaling policies such as specifying the minimum and maximum number of replicas and the conditions triggering scale-up and scale-down actions
- Utilize built-in load balancing and container placement strategies to distribute the workload across the swarm cluster
- Monitor service metrics and utilize external tools or scripts to trigger scaling actions based on custom rules or conditions
- Integrate with container orchestration tools or frameworks that provide advanced scaling features, such as Kubernetes's Horizontal Pod Autoscaler, or third-party tools like Prometheus with custom scaling scripts.

14. What is Docker Machine and how is it used?

Hide Answer

Docker Machine is a command-line tool that simplifies the process of provisioning and managing Docker hosts. It automates the creation of virtual machines and cloud instances and installs Docker on them.

It supports various platforms including local hypervisors, cloud providers, and remote Docker hosts. It allows developers to easily create Docker hosts with different configurations such as specifying CPU, memory, storage, and networking settings.

Docker Machine is particularly useful for local development environments, setting up test clusters, and deploying Docker on different infrastructure providers.

15. How do you configure Docker to use a different container runtime?





- Install the alternative container runtime on the host system. For example, containerd or CRI-O.
- Stop the Docker daemon if it is running.
- Update the Docker daemon's configuration file (/etc/docker/daemon.json) and specify the runtimes section with the desired runtime configuration.
- Start the Docker daemon. It will now use the specified container runtime.
- Verify the new container runtime by checking the output of docker info command and inspecting the runtime details.

16. What is the purpose of Docker namespaces?

Hide Answer

Docker namespaces provide process isolation and resource control for containers. They create an isolated environment for each container, giving the illusion that each container has its own isolated view of the system. Docker uses various namespaces such as PID namespace (processes), network namespace (networking resources), mount namespace (file systems), and more.

By leveraging namespaces, Docker ensures that containers are isolated from each other and the host system. This prevents processes within containers from interfering with or accessing resources outside their namespace.

17. How do you limit the resources consumed by a Docker container?

Hide Answer

Docker allows you to limit the resources consumed by a container by using resource constraints. You can limit CPU usage, memory usage, disk I/O, and network bandwidth. Resource constraints can be set during container creation or updated dynamically using the docker update command. For example:





Limiting memory usage: Use the --memory and --memory-swap options to restrict the amount of memory a container can use and prevent it from exceeding the specified limit.

Limiting disk I/O and network bandwidth: Docker provides options like --device-read-bps, --device-write-bps, --device-read-iops, and --device-write-iops to control the rate of I/O operations a container can perform.

18. How do you configure network policies in Docker?

Hide Answer

Network policies in Docker can be configured using the ingress and egress rules of the Docker swarm mode. Here is how you can configure network policies:

- Define ingress rules to control inbound network traffic to the services in the swarm.
 Ingress rules allow you to specify source and destination ports, IP ranges, and service names.
- Define egress rules to control outbound network traffic from the services in the swarm.
 Egress rules enable you to specify the destination ports, IP ranges, and service names.
- Use labels and placement constraints to ensure that services are deployed on specific nodes with desired network policies.
- Leverage external firewalls or network security groups to enforce network-level policies beyond Docker's built-in features.

19. What is the difference between a Docker image and a Docker layer?

Hide Answer

In Docker, an image is a read-only template that contains everything needed to run a container. It includes the application code, dependencies, runtime environment, and configurations. Images are created from a Dockerfile or obtained from a registry.





layer.

Layers are immutable and can be shared across multiple images, making the Docker image build process more efficient by reusing common layers between different images.

20. How do you manage Docker container logs?

Hide Answer

Docker provides various options for managing container logs:

View logs in real-time: Use the docker logs command to view the logs of a running container in real time. By default, Docker captures both standard output (stdout) and standard error (stderr) streams.

Retrieve logs from stopped containers: Docker retains the logs of stopped containers, allowing you to inspect them later using the docker logs command with the container's ID or name.

Configure log drivers: Docker supports multiple log drivers such as json-file, syslog, journald, and more. You can configure the log driver in the Docker daemon's configuration file (/etc/docker/daemon.json) or when starting a container using the --log-driver option.

Forward logs to external systems: Docker allows you to configure log forwarding to external systems like Elasticsearch, Fluentd, and Splunk using log driver plugins.

Use third-party logging tools: Utilize third-party tools like the ELK Stack (Elasticsearch, Logstash, Kibana), Graylog, or Prometheus with Grafana for advanced log management, analysis, and visualization.

21. What is the purpose of Docker secrets in Swarm mode?

Hide Answer





have explicit permission to use them.

With secrets, you can separate the management of sensitive data from the container images. This makes it easier to rotate, update, and manage secrets without redeploying or rebuilding containers. Secrets can be created, updated, and managed using the Docker CLI or API.

22. How do you manage Docker images in a private registry?

Hide Answer

To manage Docker images in a private registry, you can:

- Set up a private Docker registry using tools like Docker Registry or third-party solutions like Harbor or Nexus Repository Manager
- Push Docker images to the private registry using the docker push command and specify the registry's address and credentials
- Pull Docker images from the private registry using the docker pull command and provide the image's name and registry information
- Manage access and permissions to the private registry by configuring authentication and authorization settings
- Apply image retention and deletion policies to manage storage usage and keep the registry organized
- Monitor the private registry for storage capacity, performance, and security.

23. How do you perform load testing on Docker containers?

Hide Answer

Load testing on Docker containers can be performed using tools specifically designed for load testing such as Apache JMeter, Gatling, Locust, and Artillery. To perform load testing, you need to:





- configure the load testing tool to target the enapoints exposed by your bocker
 containers
- Run the load testing tool which will simulate concurrent users and send requests to your containerized application
- Monitor the performance metrics, such as response times, throughput, and error rates, to evaluate the application's behavior under load
- Adjust the load testing parameters as needed to simulate different scenarios and test the application's scalability and performance.

24. How do you create a custom Docker network driver?

Hide Answer

To create a custom Docker network driver, you can follow these steps:

- Develop the network driver code according to the Docker network plugin API specifications.
- Package the network driver code into a container image or binary file.
- Deploy the custom network driver on the Docker host where you want to use it.
- Configure Docker to use the custom network driver by updating the Docker daemon's configuration file (/etc/docker/daemon.json) with the appropriate driver configuration.
- Restart the Docker daemon for the changes to take effect.
- Verify the availability of the custom network driver by using the docker network Is command which should list the custom network driver as an available network driver.

25. What is the purpose of the Docker content trust feature?

Hide Answer





tampered images and provides an additional layer of security.

Content trust relies on cryptographic key pairs and a trust infrastructure, such as Notary, to sign and verify images. By enabling content trust, Docker ensures that only trusted and signed images are used within the Docker environment.

26. How do you perform rolling updates with Docker Compose?

Hide Answer

Rolling updates can be performed with Docker Compose by following these steps:

- Define a Docker Compose file that describes your services and their configurations.
- Specify the desired number of replicas for each service and define the update strategy as "rolling".
- Build or pull the updated Docker images for your services.
- Run the docker-compose up command with the --scale option to scale up the services to the desired number of replicas.
- Docker Compose will automatically update the services one by one, ensuring that the specified number of replicas is maintained throughout the update process.
- Monitor the progress and status of the rolling update using the Docker Compose CLI or monitoring tools.

27. How do you implement service discovery and load balancing in Kubernetes?

Hide Answer

In Kubernetes, service discovery and load balancing are implemented through the following mechanisms:

Services: Define a Kubernetes Service resource that represents a logical set of pods providing specific functionality. Services have stable IP addresses and are used to expose applications internally or externally. Kubernetes provides built-in load balancing for services, distributing incoming traffic to the backend pods.





Ingress: Kubernetes Ingress resources provide external access to services, acting as an entry point to the cluster. Ingress controllers handle incoming traffic, perform load balancing, and route requests to the appropriate services based on rules defined in the Ingress resource.

Service mesh: Advanced service meshes like Istio or Linkerd can be deployed in Kubernetes to provide additional service discovery, load balancing, and traffic management capabilities including circuit-breaking, fault tolerance, and observability.

28. What is the purpose of the Docker plugin system?

Hide Answer

The Docker plugin system allows for extending Docker's functionality by integrating third-party plugins. Plugins can provide additional capabilities such as storage drivers, network drivers, authorization and authentication mechanisms, volume drivers, and more.

The plugin system enables Docker to be highly extensible, allowing users to tailor Docker to their specific requirements or integrate it with existing infrastructure and tools. Plugins are developed using the Docker Plugin API and can be distributed and managed independently from the core Docker product.

29. How do you configure Docker to use a different storage driver?

Hide Answer

To configure Docker to use a different storage driver, you can follow these general steps:

- Stop the Docker daemon if it is running.
- Update the Docker daemon's configuration file (/etc/docker/daemon.json) and specify the desired storage driver configuration.





- Start the Docker daemon. It will now use the specified storage driver.
- Verify the new storage driver by checking the output of the docker info command and inspecting the storage driver details.

30. How do you implement canary deployments with Docker and Kubernetes?

Hide Answer

Canary deployments with Docker and Kubernetes can be implemented by following these steps:

- Set up a Kubernetes cluster and deploy your application using Docker containers.
- Create a new deployment or service for the updated version of your application (the Canary version).
- Configure the canary deployment to receive a small percentage of traffic while the majority of traffic is still routed to the stable version.
- Monitor the canary deployment, collecting metrics and user feedback to assess its stability and performance.
- If the canary deployment proves successful, gradually increase its traffic allocation.
- If any issues arise, quickly roll back by reducing the canary's traffic allocation or rolling back the deployment.
- Repeat the process, gradually increasing the canary's traffic allocation until it becomes the new stable version.

31. What are the differences between Docker Community Edition (CE) and Docker Enterprise Edition (EE)?

Hide Answer

Docker Community Edition (CE) and Docker Enterprise Edition (EE) are two different editions of Docker with varying features and support levels:





Compose and Docker Swarm mode.

Docker CE is community-supported and suitable for non-production environments and small-scale deployments.

Docker EE: Docker EE is a commercial offering targeted for enterprise use. It includes additional features like advanced container orchestration with Kubernetes, enhanced security capabilities, image scanning and vulnerability assessment, role-based access control (RBAC), and enterprise-grade support and services

Docker EE provides long-term support (LTS) releases and is recommended for production environments and large-scale deployments.

32. How do you configure Docker to use a private image registry?

Hide Answer

These steps will enable you to configure Docker to use a private image registry:

- Set up the private image registry using a tool like Docker Registry or a third-party solution.
- Configure the registry to require authentication and authorization, ensuring only authorized users or systems can access it.
- Authenticate Docker with the private registry by running the docker login command and providing the registry's address, username, and password or access token.
- Pull Docker images from the private registry using the docker pull command and specify the image's name and registry information.
- Push Docker images to the private registry using the docker push command and provide the image's name and registry information.
- Verify the availability and accessibility of the private registry by performing pull and push operations.

33. What is the purpose of the "docker checkpoint" command?





It allows you to capture the state of a container at a specific point in time and save it as a checkpoint. Checkpoints include the container's memory, processes, and filesystem state.

Checkpoints can be used for various purposes such as migrating containers between hosts, pausing and resuming containers, and creating backups. The "docker checkpoint" command works in conjunction with the CRIU (Checkpoint/Restore in Userspace) tool which performs the actual checkpointing and restoration operations.

34. How do you configure Docker to use IPv6 networking?

Hide Answer

To configure Docker to use IPv6 networking, you can follow these steps:

- Stop the Docker daemon if it is running.
- Update the Docker daemon's configuration file (/etc/docker/daemon.json) and add the "ipv6": true option.
- Specify the IPv6 address range and prefix length in the configuration file.
- Start the Docker daemon. It will now enable IPv6 networking.
- Create or update Docker networks to use IPv6 by specifying the desired IPv6 subnet and gateway.
- Configure containers to use IPv6 by specifying the desired IPv6 address or letting Docker assign it automatically.
- Verify the IPv6 networking configuration by inspecting the container's network settings using the docker inspect command.

35. What is the role of containerd in the Docker ecosystem?

Hide Answer





Containerd interfaces with the operating system's low-level container features, such as namespaces and control groups, to provide secure and isolated execution environments for containers.

Docker uses containerd as the default container runtime starting from Docker 20.10. It offers improved performance, stability, and extensibility compared to the previous runtime, "docker-runc".

36. How do you perform a live migration of Docker containers between hosts?

Hide Answer

Live migration of Docker containers between hosts can be achieved by leveraging container orchestration platforms like Docker Swarm and Kubernetes. These platforms provide built-in features to facilitate container migration.

The steps to for live migration vary depending on the platform, but generally involve the following:

- Ensure the source and destination hosts are part of the same cluster or federation.
- Set up networking and storage configurations to enable container migration such as using shared storage or overlay networks.
- Initiate the migration using the platform's CLI or API. Specify the container to be migrated and the target destination.
- The orchestration platform coordinates the migration process. It ensures that the container's state, networking, and storage are transferred seamlessly to the destination host.
- Monitor the migration progress and verify the container's functionality on the destination host.
- Once the migration is complete, the container continues running on the destination host, and the resources on the source host are released.





Apply Now

WRAPPING UP

From basic concepts to more complex ones like container orchestration and security, these top 100 Docker interview questions will come in very useful. Whether you're a Docker developer seeking an interview or a recruiter looking for Docker experts, refer to these questions and answers to stay prepared.

If you have what it takes to be among the top 1% of software developers, head over to Turing jobs to apply for global remote jobs today.

Get remote Docker developer jobs with top U.S. companies!

Work at Fortune 500 companies and fast-scaling startups from the comfort of your home









Apply now

Apply for the latest remote jobs

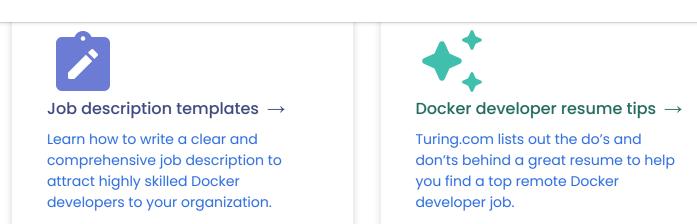
Senior DevOps Engineer

FULL-TIME REMOTE JOB

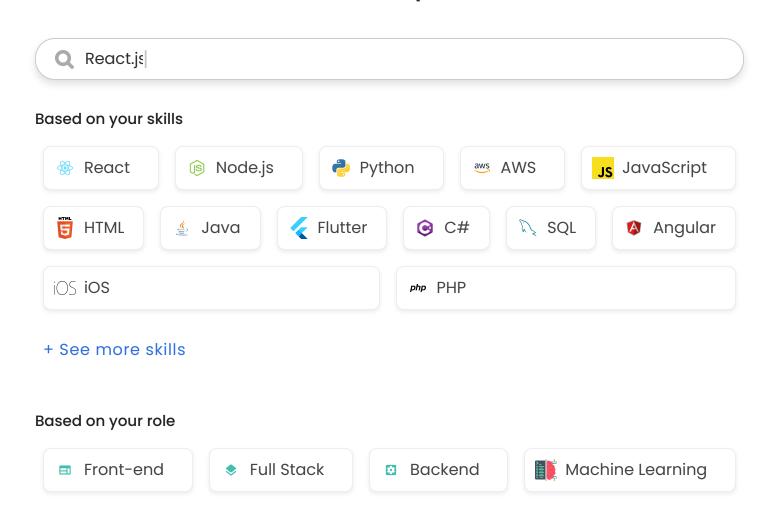
O Posted a year ago 1-10 Business Services

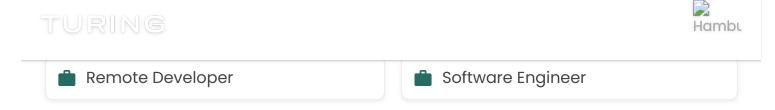






Check out more interview questions





+ See more roles

Hire remote developers

Tell us the skills you need and we'll find the best developer for you in days, not weeks.

Hire Developers

AI & AGI solutions

LLM training

Generative Al

AI/Data

Custom engineering

All solutions →

On-demand talent

Technical professionals and teams





How to get hired
Developer reviews
Talent resources
Tech interview questions
Resources
Blog
Case studies
Use cases
More resources \Rightarrow
Company
About
Press
Turing careers
Connect
Contact us
Help center
Sitemap
Terms of service
Privacy policy





1900 Embarcadero Road Palo Alto, CA, 94303

© 2025 Turing