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FREE INTERVIEW GUIDE

AWS & DevOps Interview Questions & Answers

Frequently asked AWS and DevOps interview questions with concise answers, covering core services, CI/CD, containers and infrastructure as code.

14 questions | Model answers

01 What is the difference between IaaS, PaaS and SaaS?

IaaS provides infrastructure such as virtual machines (EC2). PaaS provides a platform to deploy code without managing servers (Elastic Beanstalk). SaaS is complete software delivered online (Gmail, Salesforce).

02 What is an AMI?

An Amazon Machine Image is a template with the operating system and software used to launch EC2 instances.

03 Security group vs NACL?

Security groups are stateful firewalls at the instance level that only allow rules. NACLs are stateless, work at the subnet level and support allow and deny rules.

04 What is S3 versioning?

Keeping multiple versions of an object in a bucket so you can recover from accidental overwrites or deletes.

05 Public vs private subnet?

A public subnet has a route to an internet gateway. A private subnet does not, and reaches the internet through a NAT gateway if needed.

06 IAM user vs IAM role?

A user is a long-term identity with credentials. A role is assumed temporarily by users, services or applications and provides short-lived credentials.

07 What does CloudWatch do?

Collects metrics and logs, and triggers alarms and actions when thresholds are crossed.

08 What is CI/CD?

Continuous integration automatically builds and tests code on every change. Continuous delivery/deployment automatically releases tested code to environments.

09 Explain a Jenkins pipeline.

A pipeline defined in a Jenkinsfile with stages such as checkout, build, test and deploy, triggered by commits or schedules.

10 Docker image vs container?

An image is a read-only template. A container is a running instance of an image.

11 What is Kubernetes used for?

Orchestrating containers: scheduling pods, scaling, self-healing, service discovery and rolling updates.

12 Ansible vs Terraform?

Terraform provisions infrastructure declaratively (servers, networks). Ansible configures software on existing servers with playbooks. They are often used together.

13 Git merge vs rebase?

Merge combines branches with a merge commit and keeps history. Rebase replays commits on top of another branch for a linear history.

14 How would you reduce AWS costs?

Right-size instances, use auto scaling, Reserved Instances or Savings Plans, S3 lifecycle rules, delete unused resources, and monitor with Cost Explorer and Budgets.

Tip: practise saying each answer out loud with an example from your own project. Book a free mock interview at www.aceitcareers.com/contact