Accenture DevOps Master Interview Guide

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Based on Resume | 100+ Interview Questions & Answers

CI/CD & Jenkins

Q1. Explain your CI/CD pipeline.

A: I used Jenkins integrated with Git, Docker, Kubernetes, and Ansible for automated build, test, deploy, and validation.

Q2. What is Jenkins pipeline?

A: It is code-based automation written using Jenkinsfile for CI/CD workflows.

Q3. How do webhooks work?

A: They trigger Jenkins jobs automatically when code is pushed.

Q4. How do you rollback?

A: By redeploying previous stable Docker image.

Q5. How do you secure pipelines?

A: Using credentials store, role-based access, and secrets.

Q6. How do you handle merge conflicts?

A: By coordinating with developers and resolving locally.

Q7. Difference between CI and CD?

A: CI focuses on integration, CD focuses on deployment.

Q8. What is ArgoCD?

A: It is a GitOps-based continuous delivery tool.

Q9. How do you manage artifacts?

A: Using Nexus repository.

Q10. How do you improve pipeline speed?

A: Parallel stages, caching, and optimized builds.

Docker & Kubernetes

Q1. What is Docker?

A: It is a containerization platform for packaging applications.

Q2. Explain Dockerfile.

A: It defines instructions to build images.

Q3. What is multi-stage build?

A: Reduces image size by separating build and runtime.

Q4. What is Kubernetes?

A: Container orchestration platform.

Q5. What is Pod?

A: Smallest deployable unit in Kubernetes.

Q6. Deployment vs StatefulSet?

A: Deployment for stateless, StatefulSet for stateful apps.

Q7. What is Service?

A: It exposes pods internally/externally.

Q8. What is ConfigMap?

A: Stores non-sensitive configuration.

Q9. What are Secrets?

A: Stores sensitive data.

Q10. How do rolling updates work?

A: Gradually replace old pods with new ones.

Terraform & Ansible (IaC)

Q1. What is Terraform?

A: IaC tool for infrastructure provisioning.

Q2. What is state file?

A: It tracks infrastructure resources.

Q3. What is Ansible?

A: Configuration management tool.

Q4. Playbook vs Role?

A: Playbook executes tasks, Role organizes tasks.

Q5. Dynamic inventory?

A: Automatically fetches hosts.

Q6. What is idempotency?

A: Same result on multiple runs.

Q7. Terraform plan?

A: Previews changes.

Q8. Terraform apply?

A: Applies changes.

Q9. AWX?

A: Web UI for Ansible.

Q10. Why IaC?

A: Consistency and automation.

AWS Cloud

Q1. What AWS services used?

A: EC2, VPC, IAM, S3, CloudWatch, ASG.

Q2. What is IAM?

A: Identity and access management.

Q3. What is VPC?

A: Virtual private network.

Q4. What is Security Group?

A: Firewall for EC2.

Q5. What is Auto Scaling?

A: Automatic scaling of instances.

Q6. What is Load Balancer?

A: Distributes traffic.

Q7. What is S3?

A: Object storage.

Q8. What is NAT Gateway?

A: Provides outbound internet.

Q9. CloudWatch?

A: Monitoring service.

Q10. How do you secure AWS?

A: Least privilege access.

Monitoring & Incident Management

Q1. What is Prometheus?

A: Metrics monitoring system.

Q2. What is Grafana?

A: Visualization tool.

Q3. What is Dynatrace?

A: APM monitoring tool.

Q4. What is alerting?

A: Notifying on issues.

Q5. How do you debug incidents?

A: Using logs and metrics.

Q6. What is SLA?

A: Service level agreement.

Q7. MTTR?

A: Mean time to recovery.

Q8. Post incident review?

A: Analyze root cause.

Q9. Log analysis?

A: Identify failures.

Q10. Health checks?

A: Ensure service uptime.

Scripting & Automation

Q1. Why Bash?

A: Automation scripting.

Q2. Sample Bash use?

A: Deployment validation.

Q3. Why Python?

A: Operational automation.

Q4. Cron jobs?

A: Scheduled tasks.

Q5. JSON usage?

A: Config and API responses.

Q6. Shell variables?

A: Store values.

Q7. Exit codes?

A: Status of execution.

Q8. Virtualenv?

A: Python environment.

Q9. Exception handling?

A: Error handling.

Q10. Logging?

A: Track execution.

Behavioral & HR

Q1. Handle pressure?

A: Prioritize and stay calm.

Q2. Conflict handling?

A: Communicate professionally.

Q3. Big failure?

A: Learn and improve.

Q4. Why Accenture?

A: Global exposure and learning.

Q5. Strengths?

A: Automation and troubleshooting.

Q6. Weakness?

A: Over-detailing, improving.

Q7. Teamwork?

A: Cross-functional collaboration.

Q8. Agile experience?

A: Sprint-based delivery.

Q9. Leadership?

A: Taking ownership.

Q10. Future goals?

A: Become cloud architect.

Real-Time Scenarios

Q1. Production down?

A: Check monitoring, rollback, fix root cause.

Q2. Pipeline failed?

A: Check logs, fix issue, rerun.

Q3. High CPU?

A: Scale and optimize.

Q4. Memory leak?

A: Analyze logs.

Q5. Slow app?

A: Check DB and infra.

Q6. Security breach?

A: Revoke access, audit.

Q7. Migration issue?

A: Rollback and validate.

Q8. Pod crash?

A: Check logs.

Q9. Disk full?

A: Clean logs.

Q10. Network issue?

A: Check SG and routes.