

Complete DevOps Interview Questions for Freshers

This PDF contains a complete and well-structured list of DevOps interview questions for freshers. It covers all major DevOps tools and concepts from basics to intermediate level.

1. DevOps Fundamentals

- What is DevOps?
- Why DevOps is important?
- Explain Agile vs DevOps.
- What is SDLC?
- What are DevOps tools?
- What is CI/CD pipeline?
- What are DevOps best practices?
- What is automation?
- What is configuration management?
- What is version control?

2. Linux & OS

- What is Linux?
- Explain Linux architecture.
- Difference between Linux and Windows.
- What is kernel?
- What is shell?
- What are permissions in Linux?
- Explain chmod, chown, umask.
- How to check running processes?
- What is systemctl?
- What is crontab?

3. Networking Basics

- What is IP address?
- What is DNS?
- What is HTTP vs HTTPS?
- What is TCP and UDP?
- What is a port?
- What is firewall?
- What is load balancer?
- What is proxy?
- What is CIDR?
- What is NAT?

4. Git & GitHub

- What is Git?
- What is GitHub?
- Git lifecycle.
- Difference between git clone and fork.
- What is staging area?
- What is git commit?
- What is git rebase?
- What is git stash?
- What is merge conflict?
- Explain pull request.

5. Jenkins (CI/CD)

- What is Jenkins?
- Jenkins architecture.
- What is Jenkinsfile?
- Declarative vs Scripted pipeline.
- What is agent in Jenkins?
- What is webhook?
- Explain pipeline stages.
- How to secure Jenkins?
- What are Jenkins plugins?
- Explain real-time CI/CD flow.

6. Docker & Containers

- What is Docker?
- Why containers are used?
- Docker architecture.
- What is Dockerfile?
- Difference between COPY and ADD.
- What is Docker image?
- What is Docker container?
- What is Docker volume?
- What is Docker network?
- Docker vs VM.

7. Kubernetes

- What is Kubernetes?
- Kubernetes architecture.
- What is Pod?
- What is Node?
- What is Deployment?
- What is Service?
- What is Ingress?
- What is ConfigMap?
- What is Secret?
- What is Helm?

8. Terraform & IaC

- What is Terraform?
- What is Infrastructure as Code?
- Terraform workflow.
- What are providers?
- What are resources?
- What is state file?
- Terraform init, plan, apply.
- What are variables?
- What are modules?
- Terraform vs Ansible.

9. AWS Cloud

- What is cloud computing?
- AWS global infrastructure.
- What is EC2?
- What is AMI?
- What is Auto Scaling?
- What is ELB?
- What is S3?
- What is IAM?

- What is RDS?
- What is VPC?

10. Monitoring & Logging

- What is monitoring?
- Why monitoring is important?
- What is CloudWatch?
- What is Prometheus?
- What is Grafana?
- What is ELK stack?
- Difference between monitoring and logging.
- What is alerting?
- What are metrics?
- What is uptime monitoring?

All the Best for Your DevOps Interview ■