

AWS Certified DevOps Associate TOC

I. Introduction to DevOps on AWS

- A. *What is DevOps?*
- B. *DevOps on AWS*
- C. *AWS DevOps Tools and Services*
- D. *AWS Shared Responsibility Model*

II. AWS Core Services for DevOps

- A. *AWS Compute Services (EC2, ECS, Lambda)*
- B. *AWS Storage Services (S3, EBS, EFS)*
- C. *AWS Database Services (RDS, DynamoDB)*
- D. *AWS Networking Services (VPC, ELB, Route 53)*

III. AWS DevOps Services and Tools

- A. *AWS CodeCommit*
- B. *AWS CodeBuild*
- C. *AWS CodeDeploy*
- D. *AWS CodePipeline*
- E. *AWS CloudFormation*
- F. *AWS Elastic Beanstalk*

IV. Continuous Integration and Continuous Deployment (CI/CD) on AWS

- A. *CI/CD Pipeline Overview*
- B. *Designing CI/CD Pipelines*
- C. *Automating CI/CD with AWS DevOps Tools*
- D. *Securing CI/CD Pipelines on AWS_*



V. Infrastructure as Code (IaC) on AWS

- A. What is IaC?
- B. Benefits of IaC on AWS
- C. AWS CloudFormation and Terraform
- D. Best Practices for IaC on AWS

VI. Monitoring, Logging, and Metrics on AWS

- A. Monitoring and Logging Overview
- B. AWS CloudWatch C. AWS X-Ray D. AWS Config E. AWS CloudTrail

VII. Security, Identity, and Access Management on AWS

- A. AWS Security and Compliance Overview
- B. AWS Identity and Access Management (IAM)
- C. AWS Key Management Service (KMS)
- D. AWS Certificate Manager (ACM)

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- A. AWS Availability and Fault Tolerance Overview
- B. AWS Auto Scaling
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- A. AWS Cost Optimization Overview



B. AWS Cost Explorer C. AWS Budgets D. Best Practices for AWS Cost Optimization

X. Exam Tips and Practice Questions

- A. Exam Format and Preparation
- B. Sample Exam Questions and Answers

XI. Conclusion

- A. Summary of Key Points
- B. Next Steps for AWS DevOps Certification and Skills Development.

