

AWS Certified DevOps



AWS DEVOPS



SevenMentor
PVT.LTD

Introduction To DevOps On Cloud

1. Understanding DevOps
2. Lifecycle of DevOps
3. Why DevOps on Cloud?
4. Introduction to AWS
5. DevOps using AWS
6. Managing Security with AWS-IAM (Identity & Access Management) WAF (Web Application Firewall), AWS Shield, Guard Duty
7. Trusted Advisor
8. Governance Strategies

SDLC Automation

1. CodeCommit
2. CodeBuild
3. CodePipeline
4. CodeDeploy
5. AWS CodeStar

Automating Infrastructure With CloudFormation

1. Introduction to CloudFormation
2. Template for CloudFormation
3. Intrinsic Functions & Conditions
4. Stack Creation
5. Advanced Cloud Formation Concepts - CloudFormation Nesting Cloud Formation Wait Conditions & Wait Condition Handlers, Cloud Formation Helper Scripts, Cloud Formation Custom Resources
6. CloudFormation Stack Updates
7. CloudFormation Resource Deletion Policy
8. CloudFormation Best Practices
9. Troubleshooting



Application Deployment Using Elastic Beanstalk

1. Introduction to Elastic Beanstalk
2. Components of Beanstalk
3. Deployment Option
4. Platform Updates
5. Docker in Elastic Beanstalk
6. Extending Beanstalk using extensions
7. Alarms and Notification
8. Troubleshooting

Configuration Management Using OpsWorks

1. Introduction to OpsWorks
2. Components of OpsWorks
3. Cookbooks, Recipes, Data bags and Berkshelf
4. OpsWorks Lifecycle Events
5. OpsWorks Deployment
6. OpsWorks Auto-Healing
7. Troubleshooting

Automate Monitoring And Event Management In AWS

1. Introduction to CloudWatch
2. CloudWatch Metrics: EC2, ELB, and Auto Scaling metrics
3. Custom Metrics
4. CloudWatch Alarms
5. CloudWatch Agent
6. CloudWatch Logs
7. Introduction to CloudTrail
8. System Manager
9. Tagging
10. Concepts required to set-up event-driven automated actions - Lambda, SNS, Autoscaling



High Availability, Fault Tolerance And Disaster Recovery

1. EBS
2. Elastic IP
3. Multi region and multi AZs
4. SQS
5. Data Management in Amazon RDS
6. Dynamo DB
7. S3
8. Provisioning elasticity using Load Balancer and Auto-Scaling
9. Components of Auto Scaling
10. Horizontal and vertical scaling
11. Auto-Scaling Lifecycle
12. Recovery Time Objective and Recovery Point Objective
13. Disaster Recovery Options
14. Overcome single Point of Failure

Container Management Tools

1. Orchestration
2. Elastic Container Service
3. Amazon ECR
4. Select a Launch type for your application
5. ECS with EC2
6. ECS with Fargate

AWS Certified DevOps Engineer Exam Discussion (Self-paced)

1. AWS Certified DevOps Engineer Exam Guide
2. Certification Exam Questionnaires

