



Cloud Computing using AWS DevOps Course Structure

Duration – 70 Hours (4 Months)



Module 1: Introduction to Cloud Computing & AWS Fundamentals – 5 Hours

- What is Cloud Computing (IaaS, PaaS, SaaS)
- AWS Global Infrastructure (Regions, Availability Zones)
- AWS Security & Compliance (Shared Responsibility Model, IAM)

Module 2: Compute and Storage Services – 5 Hours

- Amazon EC2 (Virtual Machines) & Auto Scaling
- AWS S3 (Object Storage) & EBS (Block Storage)
- Load Balancing & DNS (Route 53)

Module 3: Networking and Databases – 5 Hours

- AWS VPC (Virtual Private Cloud)
- Amazon RDS & DynamoDB (SQL & NoSQL Databases)
- AWS Lambda & Serverless Computing

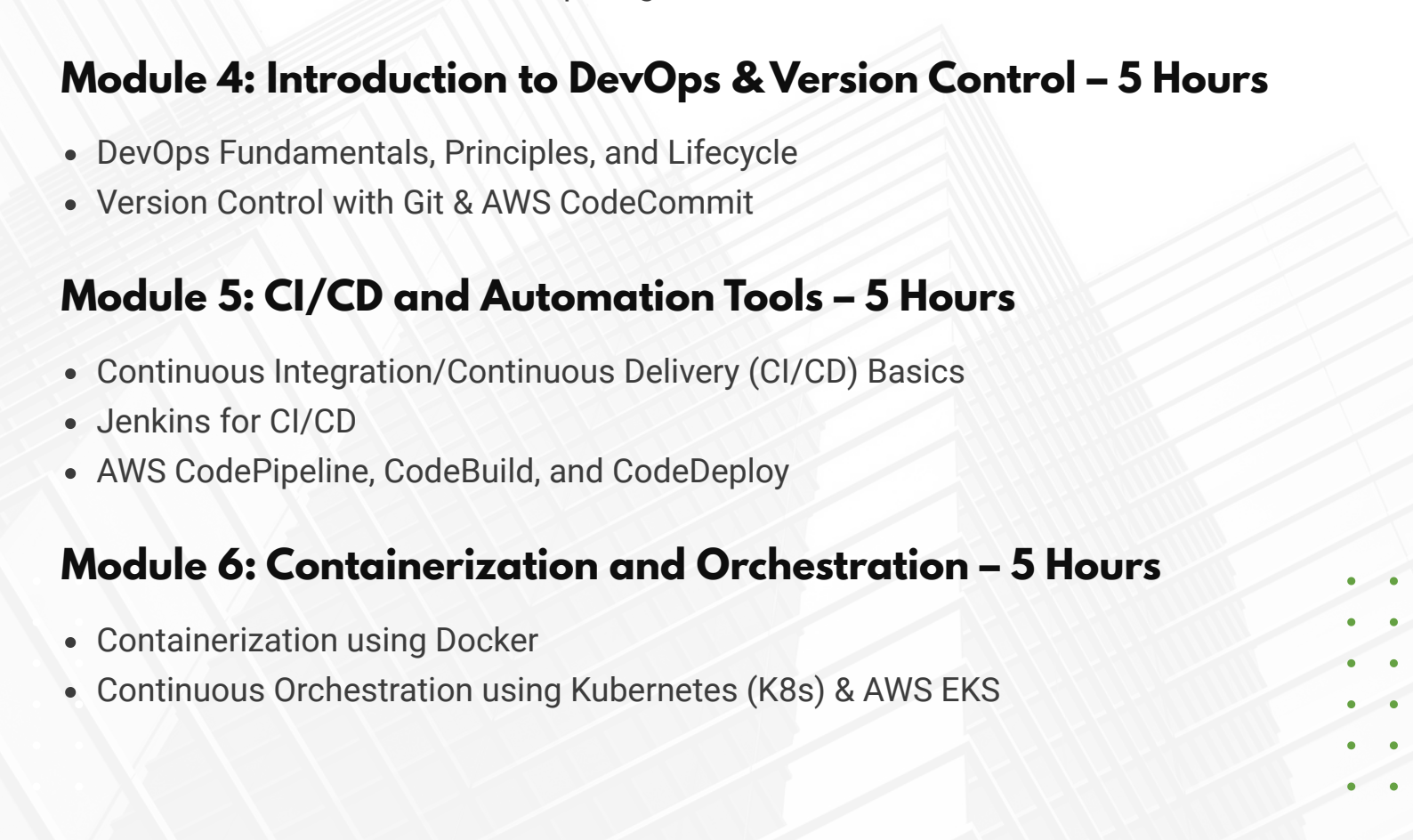
Module 4: Introduction to DevOps & Version Control – 5 Hours

- DevOps Fundamentals, Principles, and Lifecycle
- Version Control with Git & AWS CodeCommit

Module 5: CI/CD and Automation Tools – 5 Hours

- Continuous Integration/Continuous Delivery (CI/CD) Basics
- Jenkins for CI/CD
- AWS CodePipeline, CodeBuild, and CodeDeploy

Module 6: Containerization and Orchestration – 5 Hours

- Containerization using Docker
 - Continuous Orchestration using Kubernetes (K8s) & AWS EKS
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Module 7: Configuration Management & Infrastructure as Code (IaC) – 10 Hours

- Infrastructure as Code concepts
- AWS CloudFormation & Terraform
- Configuration Management using Ansible or Puppet (optional)

Module 8: Monitoring and Logging – 10 Hours

- Monitoring using Amazon CloudWatch
- CloudTrail and System Manager
- Implementing logging and alerting strategies



Contact Us Today!



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