

Sela.

FinOps

FinOps

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FinOps

FinOps - Version: 1

 24 days Course

Description:

Intended audience:

Prerequisites:

Objectives:

Topics:

Week 1: Introduction to FinOps

- Lecture 1: Introduction to FinOps
 - Definition of FinOps and its role in financial operations
 - Key concepts and terminology of FinOps.
 - FinOps vs. DevOps
- Lecture 2: Overview of financial management and accounting principles

Week 2: Cloud Financial Management Fundamentals

- Lecture 1: Cloud Infrastructure and Cost Optimization



- Introduction to cloud computing and its benefits
- Understanding cloud infrastructure and pricing
- models: IaaS, PaaS, SaaS
- Strategies for cost optimization: rightsizing,
- reserved instances, spot instances, auto-scaling
- Lecture 2: Cloud Financial Management
 - Cloud financial management tools and techniques: AWS Cost and Usage Report, Azure Cost Management, Google Cloud Billing
 - Cloud accounting and reporting: reconciling
 - Cloud costs with accounting data
 - Cloud cost optimization best practices: monitoring and analyzing cloud costs, creating cost optimization policies
- Lab: Analyzing and optimizing cloud costs using
- AWS Cost Explorer and Azure Cost Management

Week 3: Cloud Infrastructure and Cost Optimization

- Lecture 1: AWS Cloud Infrastructure and Cost Optimization
 - Introduction to AWS cloud infrastructure and services
 - Understanding EC2, RDS, S3, DynamoDB, Data Transfer
 - AWS cost optimization techniques
- Lecture 2: Azure Cloud Infrastructure and Cost Optimization
 - Introduction to Azure cloud infrastructure and services
 - Understanding Virtual Machines, Azure SQL, Azure Storage, Azure Cosmos DB, Data Transfer
 - Azure cost optimization techniques
 - Lab: Optimizing cloud costs on AWS and Azure

Week 4: Cloud Financial Management Tools



- Lecture 1: AWS Cost Management and Optimization
 - Overview of AWS Cost Management and Optimization tools
 - AWS Cost Explorer and AWS Trusted Advisor
 - AWS Budgets and AWS Cost Anomaly Detection
- Lecture 2: Google Cloud Financial Management and Optimization
 - Overview of Google Cloud Financial Management and Optimization tools
 - Google Cloud Billing and Google Cloud Pricing Calculator
 - Google Cloud Cost Management and Big Query analysis
- Lab: Analyzing and optimizing cloud costs using AWS Cost Explorer and Google Cloud Billing

Week 5: FinOps in Practice

- Lecture 1: Case Studies in FinOps
 - Case studies and examples of successful FinOps implementation
 - Best practices for implementing FinOps
 - Real-world challenges and solutions in FinOps
- Lecture 2: Metrics and KPIs for FinOp
 - FinOps metrics and KPIs
 - Financial modeling and forecasting for FinOps
 - Measuring the ROI of FinOps
- Lab: Applying FinOps best practices to a real-world scenario

Week 6: FinOps Certification Preparation

- Lecture 1: AWS Certification Practitioner
 - Overview of AWS Certification Practitioner certification
 - Exam format, content, and structure
 - Study tips and resources
- Lecture 2: Practice exams



Week 7: Multi-Cloud Strategies

- Lecture 1: Introduction to Multi-Cloud Strategie
 - Advantages and Disadvantages of Multi-Cloud
 - Hybrid Cloud, Multi-Cloud, and Edge Computing
 - Multi-Cloud Management and Governance
- Lecture 2: Introduction to Kubernetes
 - What is Kubernetes, and why is it important?
 - Kubernetes architecture and components
 - Kubernetes cost optimization techniques

Week 8: FinOps Automation & Course Summary

- Lecture 1: Introduction to FinOps Automation
 - Defining FinOps Automation
 - Benefits of FinOps Automation
 - Overview of Tools and Technologies for FinOps Automation
- Lecture 2: Course Summary
 - Overview of the key concepts and topics covered in the course
 - Review of best practices for cloud cost optimization and FinOps
 - Q&A and open discussion about the course and cloud cost optimization