

# AWS Cloud Financial Management for Builders

## Course Benefits & Agenda



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## Overview

This course is for individuals who seek an understanding of how to manage, optimize, and predict costs as you run workloads on AWS. You learn how to implement architectural best practices, explore cost optimization strategies, and design patterns to help you architect cost-efficient solutions on AWS.

## Course Benefits

This course teaches you how to:

- Explain the cost of core AWS services
- Determine and predict costs associated with current and future cloud workloads
- Use strategies and best practices to reduce AWS costs
- Use AWS tools to manage, monitor, alert, and optimize your AWS spend
- Apply strategies to monitor service costs and usage
- Implement governance standards, including resource tagging, account structure, provisioning, permissions, and access

## Agenda

### Day 1

Module	Topic
Module 1	Introduction to Cloud Financial Management
Module 2	Resource Tagging
Lab 1	Cost optimization: Control Resource Consumption Using Tagging and AWS Config
Module 3	Pricing and Cost
Module 4	AWS Billing, Reporting, and Monitoring
Lab 2	Cost optimization: Deploy Ephemeral Environments Using Amazon EC2 Auto Scaling

### Day 2

Module	Topic
Module 5	Architecting for Cost: Compute
Lab 3	Cost optimization: Right Size Amazon EC2 Instances Using Amazon CloudWatch Metrics
Module 6	Architecting for Cost: Networking
Lab 4	Cost optimization: Reduce Data Transfer Costs Using Amazon CloudFront and Endpoints

### Day 3

Module	Topic
Module 7	Architecting for Cost: Storage
Lab 5	Cost optimization: Reduce Storage Costs Using Amazon S3 Lifecycle Management
Module 8	Architecting for Cost: Databases
Module 9	Cost Governance
Lab 6	Cost optimization: Reduce Compute Costs Using AWS Instance Scheduler
Module 10	Course Summary