



# AWS CLOUD FINANCIAL MANAGEMENT FOR BUILDERS CERTIFICATION TRAINING

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**Course Level:**  
Intermediate

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**Course Duration:**  
3 Days

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## Course Overview:

This AWS Cloud Financial Management for Builders course from CloudThat teaches candidates how to optimize, manage, and predict the costs of running workloads on AWS. Candidates attending our AWS Cloud Financial Management course learn how to leverage cost optimization strategies, implement architectural best practices, and design patterns to architect cost-efficient solutions on AWS. The course comprises presentations, hands-on labs, and demonstrations to provide in-depth knowledge and skill training.



## Prerequisites

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We recommend that attendees of this course have:

 Architecting on AWS classroom training

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## Objectives

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 Architecting on AWS classroom training

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 Determine and predict costs associated with current and future cloud workloads

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 Use strategies and best practices to reduce AWS costs


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 Use AWS tools to manage, monitor, alert, and optimize your AWS spend


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 Apply strategies to monitor service costs and usage

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 Implement governance standards, including resource tagging, account structure, provisioning, permissions, and access

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 Explain the SysOps and DevOps interdependencies necessary to deploy a microservices application in AWS

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# Course Outline

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## Day 1

### Module 0: Course Overview

- Course introduction

### Module 1: Introduction to Cloud Financial Management

- Introduction to Cloud Financial Management
- Four pillars of Cloud Financial Management

### Module 2: Resource Tagging

- Tagging resources
- Hands-On Lab: Cost optimization: Control Resource Consumption Using Tagging and AWS Config

### Module 3: Pricing and Cost

- Fundamentals of pricing
- AWS Free Tier
- Volume discounts
- Savings plans and Reserved Instances
- Demonstration: AWS Pricing Calculator

## Module 4: AWS Billing, Reporting, and Monitoring

- Understanding AWS invoices
- Reporting and planning
- AWS Cost Explorer
- AWS Budgets
- Demonstration: AWS Billing Console
- Demonstration: AWS Cost Explorer
- Demonstration: Trusted Advisor
- Hands-On Lab: Cost optimization: Deploy Ephemeral Environments Using Amazon EC2 Auto Scaling

## Day 2

## Module 5: Architecting for Cost: Compute

- Evolution of compute efficiency
- Amazon EC2 right-sizing
- Purchasing options
- Architect for Amazon EC2 Spot Instance
- Impact of software licensing
- Demonstration: Compute Optimizer
- Demonstration: Spot Instance Advisor
- Hands-On Lab: Cost optimization: Right Size Amazon EC2 Instances Using Amazon CloudWatch Metrics

## Module 6: Architecting for Cost: Networking

- Data transfer costs
- Understand data costs for different services
- How to triage network costs
- Hands-On Lab: Cost optimization: Reduce Data Transfer Costs Using Amazon CloudFront and Endpoints

### Day 3

## Module 7: Architecting for Cost: Storage

- Amazon EBS cost, pricing, and best practices
- Amazon S3 cost, pricing, and best practices
- Amazon EFS cost, pricing, and best practices
- Hands-On Lab: Cost optimization: Reduce Storage Costs Using Amazon S3 Lifecycle Management

## Module 8: Architecting for Cost: Databases

- Amazon RDS cost, pricing, and best practices
- Amazon Aurora cost, pricing, and best practices
- Amazon DynamoDB cost, pricing, and best practices
- Amazon ElastiCache cost, pricing, and best practices
- Amazon Redshift cost, pricing, and best practices

## Module 8: Architecting for Cost: Databases

- Amazon RDS cost, pricing, and best practices
- Amazon Aurora cost, pricing, and best practices

- Amazon DynamoDB cost, pricing, and best practices
- Amazon ElastiCache cost, pricing, and best practices
- Amazon Redshift cost, pricing, and best practices

## Module 9: Cost Governance

- Setting up AWS Organizations
- AWS Systems Manager
- Hands-On Lab: Cost optimization: Reduce Compute Costs Using AWS Instance Scheduler

## Module 10: Course Summary

- Course review

## Who should attend this course?

- Solutions architects
- Developers
- Cost-optimization leads
- System administrators

## About CloudThat

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CloudThat is the first company in India to offer Cloud Training & Consulting services for mid-market & enterprise clients from across the globe. Since our inception in 2012, we have trained over 500K IT professionals from fortune 500 companies on technologies such as Microsoft Azure, Amazon Web Services, VMware, Artificial Intelligence, Machine Learning, Google Cloud, IoT, Dynamics 365, Power Platform, Power BI, HPE AI, DevOps, Big Data, Kubernetes, Terraform and more.

With expertise in all the major Cloud platforms, CloudThat is a proud Microsoft Gold Partner, AWS Authorized Training Partner, VMware Authorized Training Reseller, Google Cloud Platform Partner and HPE Learning Partner. Through sheer dedication and commitment towards customer excellence, we have been the winner of the Microsoft Asia Superstar Campaign for India – 2021 as well as recognized as the winner of Microsoft Learning Partner of the Year 2021 Finalist award. Recently, we have been recognized as the Microsoft 2022 Partner of the Year Finalist - Learning Award.

## Our Success Track

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11+ Years  
of Experience

100+  
Corporates served

28+  
countries catered

650K+  
Professionals trained

300+  
Projects delivered

500+  
Cloud certifications

To know more about our VMware certification training, email at [sales@cloudthat.com](mailto:sales@cloudthat.com) or call us at +918880002200.