



# AWS Cloud Financial Management for Builders

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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 Contents

- Module 0: Course Overview
- Module 1: Introduction to Cloud Financial Management
- Module 2: Resource Tagging
- Module 3: Pricing and Cost
- Module 4: AWS Billing, Reporting, and Monitoring
- Module 5: Architecting for Cost: Compute
- Module 6: Architecting for Cost: Networking
- Module 7: Architecting for Cost: Storage
- Module 8: Architecting for Cost: Databases
- Module 9: Cost Governance
- Module 10: Course Summary

You have access to the labs for another 14 days after the course. This way you can repeat exercises or deepen them individually.

### Target Group

- Solutions architects
- Developers
- Cost-optimization leads
- System administrators
- Cloud-savvy technical learners who need to understand building and operating cost-efficient architectures

### Prerequisites

We recommend that attendees of this course have:

- Architecting on AWS

### This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

[www.expertech-training.com/go/AWCF](http://www.expertech-training.com/go/AWCF)

### Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

### Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

### Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Training	Prices, excl. of V.A.T.	
Classes in Germany	3 Days	€ 1,995
Online Training	3 Days	€ 1,995
Date/course venue	Course language German	
11/06-13/06/24	Frankfurt	11/06-13/06/24
	Online	

Status 03/08/2024



# Table of Contents

## AWS Cloud Financial Management for Builders

### 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

### 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

### 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 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

