

AWS Course Syllabus



DELTA**FROG**
Technology

Chapter 1 Introduction

Introduction to Cloud Computing

Introduction to AWS

Regions and Availability Zones - How to choose the right one

AWS Marketplace

Chapter 2: Elastic Compute Cloud (EC2)

The Heart of Accounting System and Overview of GL Concepts

Instance Types

Amazon Machine Images (AMI)

Finding the right AMI

Launching an instance - How to choose the right instance type

Security via Key Pairs

Working with the Security Group

Assigning Elastic IPs

Logging into the instance

Choosing the right AMI

Creating your own AMI

Deciding what goes into an AMI

Chapter 3: Amazon Elastic Block Store (EBS)

Creating and deleting volumes

Attaching and detaching volumes

Mounting and Unmounting the attached volume

Creating snapshots

Chapter 4: Simple Storage Service (S3)

Creating and deleting buckets

Adding objects to buckets

Getting objects

Deleting objects

Bucket Permissions / Versioning

Chapter 5: Cloud Watch

Monitoring the AWS Service Health Dashboard
Using Cloud watch for Monitoring
Setting up your metrics
Setting up notifications
Creating Alarms/ Events

Chapter 6: Elastic Load Balancer (ELB)

Creating the ELB
Health Checks
Installing the SSL
Load Balancing with EC2

Chapter 7: Identity and Access Management (IAM)

IAM Console and Sign in
Identities (User,Group,Roles)
Security Credentials
Permissions and policies

Chapter 8: Relational Database Service (RDS)

Selecting the Engine
Configuring the Database Engine
Creating your Database
Setting up automatic backups
Authorizing access to the DB via DB Security Groups

Chapter 9: Virtual Private Cloud (VPC)

VPC Wizard Scenarios for Amazon VPC
Your VPC and Subnets
Your Default VPC and Subnets
Security in Your VPC
Networking in Your VPC

Chapter 10: Auto Scaling

Get Set Up With Auto Scaling Interfaces
Get Started with Auto Scaling Using the Console
Maintain a Fixed Number of Running EC2 Instances
Dynamic Scaling
Scheduled Scaling

Chapter 11: Amazon Cloud Front

How Cloud Front Delivers Content
Locations and IP Address Ranges of Cloud Front Edge Servers
Working with Distributions
Working with Objects

Chapter 12: Simple Email Services

Setting up Amazon SES
Verifying Email Addresses and Domains
Authorizing Amazon SES Sending From Your Domain
Requesting Production Access

Chapter 13: AWS Security Management

Cloud Trail

Trust advisor

Chapter 14: Route 53

Registering Domain Names

Configuring Amazon Route 53 as Your DNS Service

Working with Public/Private Hosted Zones

Working with Resource Record Sets

Using Traffic Flow to Route DNS Traffic

Health Checks and DNS Failover

Chapter 15: Cloud Formation

Creating sample Cloud Formation stack