

AWS

COURSE SYLLABUS

AWS certification

Introduction

why to get certified

How to get there

AWS Introduction

Where is the cloud?

Benefits

AWS Elasticity

Principles of elasticity

Elastic compute cloud (EC2) – The big brother

Bootstrapping and metadata

[Cloudformation](#)

[AWS commandline tools](#)

[Autoscaling](#)

AWS storage

[Elastic Block storage \(EBS\)](#)

[EBS – Speed and IOPS](#)

[S3](#)

[S3 properties](#)

[S3 permission](#)

[Cloudfront – Amazon content delivery network](#)

[S3 web Hosting](#)

[S3 Cloudfront Integration](#)

[Glacier](#)

AWS Security

[AWS responsibility](#)

[Customer responsibility](#)

AWS - Virtual Private Cloud (VPC)

[Important concepts](#)

AWS - Identity and Access Management (IAM)

[Introduction](#)

[Creating user accounts](#)

[Managing user accounts](#)

[Role of IAM](#)

[IAM Best practices](#)

[IAM Authorization policies](#)

AWS Databases

[Foundation](#)

[Optimizing databases running on AWS](#)

[RDS – Relation Database service](#)

[DynamoDb – Amazon nosql database](#)

Domain name system - Route53

[Introduction](#)

[Route53 Introduction](#)

[Route53 best practices](#)

Queue and notification services

[Simple Queue Service \(SQS\)](#)

[Simple Notification Service \(SNS\)](#)

Elastic beanstalk

Workflow services - SWF

AWS Kinesis

AWS expenses

Cost model

Free services

Best practices

High availability and Disaster Recovery (HA & DR)

Traditional vs Cloud

Best Practices

AWS Migration

Moving application to cloud

best practices