



Capital University of Science and Technology

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Two Week Short course on Amazon Web Services (AWS)

Syllabus/Course Contents

Week 01

Lecture 01

- Compute Services
- Elastic Cloud Compute (EC2)
- Elastic Beanstalk

Lecture 02

- Lambda
- LightSail

Lecture 03

- IAM
- User
- Roles
- Policies
- Root
- MFA

Lecture 04

- Storage & Storage Classes
- S3
- S3 lifecycle
- EFS
- EBS

Lecture 05

- Database Services:
- RDS
- Databases
- Aurora
- Dynamo Db

Week 02

Lecture 06

- Auto balancing
- Load Balancer
- Cloud Front
- SNS/SQS/SES



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Lecture 07

- Networking
- DNS Services
- Rote 53
- Virtual Private Cloud (VPC)
- Subnetting

Lecture 08

- Networking
- Route Tables
- Subnet associations
- Internet Gateway

Lecture 09

- Machine Learning
- Sagemaker

Lecture 10

- Full Architecture:
- Architecture