AWS

	Level	Duration
aws	Introduction	1 day

Course Description

- The main objective of this course is to learn AWS basics and how to use it.

Audience and prerequisites

- This course is mainly for `DevOps` engineers

Main Goals

- Get familiar with AWS basics
- Learn the most common AWS components
- Practice AWS basics and learn how to use them

Module	Content
Intro	Cloud Computing & Aws Fundamentals
	🔷 **Introduction to Cloud Computing**
	🔶 SaaS
	🔶 PaaS
	🔶 IaaS
	🔷 **AWS Intro**
	🔶 Aws Portal
	🔶 Data Center
	🔶 Regions
	🔶 Subscriptions
	🔶 Resource Group
	🔶 Users
	🔶 Roles
	🔶 IAM
	🔶 Security group
	🔷 **Aws Common Services**
	🔶 Computing
	🔶 Storage
	🔶 Network
	🔶 Databases (RDS)
	🔶 Security
	🔶 More ...
	🔷 **Aws CLI**
IAM	🔷 **Aws IAM In-depth**
	🔶 What is IAM
	🔶 IAM roles
	🔶 IAM groups
	🔶 IAM policies
	🔶 Security Groups
	🔶 Identity federation
	🔶 RBAC

	◆ Key-vaults
Computing	
	◆ **Instances**
	◆ EC2 / Elastic services
	◆ Auto Scaling
	◆ Availability Set
	◆ HA / DR / Multi Zone / Availability zones
	◆ Databases (RDS etc)
	◆ Bootstrap scripts
Networking	
	◆ Route53 (DNS / DNS Zones)
	◆ Load Balancers / Endpoints
	◆ VPC
	◆ PIP /NIC / Domains / IPs
	◆ Routing/route tables
	◆ Gateway
	◆ NAT
	◆ Ingress traffic
	◆ Subnets
Storage	
	◆ **Storage Types**
	◆ S3
	◆ Buckets / EBS
	◆ Access / Permissions
	◆ Backups
	◆ Hot / Cold storage / Glacier storage
	◆ CloudFront
Apps/Serverless	
	◆ Serverless Computing
	◆ Lambda
	◆ Containers / Registry
	◆ EKS

	◆ Apps Services
	◆ Scaling / Autoscaling
	◆ API Gateway
	◆ SNS / SQS / SES
General Topics	
	◆ Cost Management
	◆ Databases
	◆ Automation
	◆ Monitoring
	◆ Alerts / Metrics
	◆ Cost Management
	◆ Management Tools
	◆ CloudWatch
	◆ CloudTrail
	◆ CloudFormation
Hand-On	
	Hands-on during the different modules

[Back to courses list](#)