Azure for AWS professionals

Duration: 1 Day

This one-day workshop helps Amazon Web Services (AWS) experts understand the basics of Microsoft Azure accounts, platform, and services. This webinar also covers key similarities and differences between AWS and Azure.

Workshop objectives:

- How Azure organizes accounts and resources.
- How Azure structures available solutions.
- How the major Azure services differ from AWS services.

Course Outline

- **Module 1: Azure and AWS accounts and subscriptions**
- **Module 2: Regions and zones on Azure and AWS**
  - Reliability consists of two principles: resiliency and availability. Azure includes built-in reliability services that you can use and manage based on your business needs which we will cover in this module.
    - Availability sets
    - Availability zones
    - Paired regions
- **Module 3: Resource management on Azure and AWS**
  - The term "resource" in Azure is used in the same way as in AWS, meaning any compute instance, storage object, networking device, or other entity you can create or configure within the platform which we will cover in this module.
    - Resource groups
    - Management interfaces
- **Module 4: Compute services on Azure and AWS**
  - This module compares the core compute services that Microsoft Azure and Amazon Web Services (AWS) offer.
    - Virtual machines and servers
    - Autoscaling
    - Batch processing
    - Storage
    - Containers and container orchestrators
    - Serverless computing
- **Module 5: Relational database technologies on Azure and AWS**
  - Azure provides several different relational database services that are the equivalent of AWS' Relational Database Service (RDS) which we will cover in this module. We will also compare Analytics and big data services offered by Azure.
    - RDS and Azure relational database services
    - Analytics and big data
- **Module 6: Messaging services on Azure and AWS**
  - AWS provides the Simple Email Service (SES) for sending notification, transactional, or marketing emails. In Azure, you can send emails with Azure Communication

Services. In this module we will also cover Messaging components and Messaging architectures

- Simple Email Service
- Simple Queueing Service
- Messaging components

- **Module 7: Networking on Azure and AWS**
  - In this module we will cover Azure equivalent of the Elastic Load Balancing services along with CloudFront and Azure Front Door
    - Elastic Load Balancing, Azure Load Balancer, and Azure Application Gateway
    - Route 53, Azure DNS, and Azure Traffic Manager
    - Content delivery networks - CloudFront and Azure Front Door

- **Module 8: Compare storage on Azure and AWS**
  - In the AWS platform, cloud storage is primarily broken down into three services S3, EBS, EFS and in this module we will compare these with Azure Storage Accounts
    - S3/EBS/EFS and Azure Storage
    - Glacier and Azure Storage
    - Storage comparison