

Building Software Systems

Lecture 3.5

Overview of Azure

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AWS vs Azure

AWS Service	Azure Service	Service Type	Description
S3	Blob Storage	Storage	Object storage services for storing and retrieving any amount of data.
EC2	Virtual Machines	Compute	Services providing scalable computing capacity in the cloud. Allows users to run and manage server instances.
Lambda	Functions	Serverless Compute	Allows running code in response to triggers without managing servers.
DynamoDB	Cosmos DB	NoSQL Database	Fully managed NoSQL database services for modern app development.
RDS	SQL Database	Relational Database	Managed relational database services with a variety of database engine options.
VPC	Virtual Network	Networking	Provides an isolated network environment to run resources in a virtual network.
API Gateway	API Management	API Management and Gateway	Services designed to create, publish, maintain, monitor, and secure APIs. Both provide a front door to applications to access data, business logic, or functionality from back-end services.

What is Azure?

Azure is Microsoft's public cloud computing platform

- It can be considered as a peer to AWS

Azure's market share is growing at a good rate

- As per a survey, while AWS is still the leader (with around 32% market share) ...
- ... Azure is second in the line (with around 22% market share)

Azure, just like AWS, offers services for

- Compute – includes VMs, Containers and Cloud Functions
- Storage – including both Block and Object Storage
- Databases – both relational as well as NoSQL solutions
- AI and ML etc.

Check out the Video Recording of the Lecture

<https://www.youtube.com/watch?v=I554E7DNqJ4>