CodeCruise

SAIL SMOOTH IN TECH OCEAN

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Microsoft Azure

Microsoft Azure, often referred to as Azure, is a cloud computing platform developed by Microsoft. It offers access, management, and the development of applications and services through global data centers.

Tech Stack To Be Covered

Azure

Microsoft Azure

Course Outline:

1. Introduction to Microsoft Azure

   - Understanding cloud computing and Azure's role

2. Getting Started with Azure

- Setting up an Azure account

- Navigating the Azure Portal

3. Compute Services

   - Exploring Virtual Machines, Azure Functions, and AKS

4. Storage Services

   - Overview of Blob Storage, File Storage, and Disk Storage

5. Database Services

   - Understanding Azure SQL Database, Cosmos DB, and Azure Database for PostgreSQL/MySQL

6. Networking Services

   - Setting up Virtual Networks, Azure DNS, and Traffic Manager

7. Security and Identity

   - Managing security with Azure Active Directory and RBAC

8. Monitoring and Management

   - Monitoring resources with Azure Monitor and Log Analytics

9. Deployment and DevOps

- Implementing CI/CD pipelines with Azure DevOps

10. Scalability and High Availability

  - Ensuring scalability and high availability with Azure Load Balancer and Availability Zones