Azure and AWS offer similar cloud services, but they often use different names for equivalent products. Here's a comparison of key services:



| **Category** | **Azure** | **AWS** |
| --- | --- | --- |
| **Compute** | Azure Virtual Machines (VMs) | Amazon EC2 |
| **Serverless Compute** | Azure Functions | AWS Lambda |
| **Container Services** | Azure Kubernetes Service (AKS) | Amazon Elastic Kubernetes Service (EKS) |
| **Container Registry** | Azure Container Registry (ACR) | Amazon Elastic Container Registry (ECR) |
| **Block Storage** | Azure Managed Disks | Amazon Elastic Block Store (EBS) |
| **Object Storage** | Azure Blob Storage | Amazon S3 |
| **File Storage** | Azure Files | Amazon Elastic File System (EFS) |
| **Database (SQL)** | Azure SQL Database | Amazon RDS (SQL Server, MySQL, PostgreSQL, etc.) |
| **Database (NoSQL)** | Azure Cosmos DB | Amazon DynamoDB |
| **Networking - VPC** | Azure Virtual Network (VNet) | Amazon VPC |
| **Load Balancer** | Azure Load Balancer | Elastic Load Balancing (ELB) |
| **DNS** | Azure DNS | Amazon Route 53 |
| **CDN** | Azure CDN | Amazon CloudFront |
| **Identity & Access** | Azure Active Directory (AD) | AWS IAM |
| **Monitoring** | Azure Monitor | Amazon CloudWatch |
| **Security** | Microsoft Defender for Cloud | AWS Security Hub |
| **Event-Driven** | Azure Event Grid | Amazon EventBridge |
| **Messaging** | Azure Service Bus | Amazon Simple Queue Service (SQS) |
| **Data Analytics** | Azure Synapse Analytics | Amazon Redshift |
| **Big Data Processing** | Azure HDInsight | Amazon EMR |
| **AI/ML** | Azure Machine Learning | Amazon SageMaker |
| **DevOps & CI/CD** | Azure DevOps | AWS CodePipeline, AWS CodeBuild |

