

Category	Azure Service Name	Function / Description
Compute	Azure VMs (Virtual Machines)	Used to spin up virtual machines with different operating systems (Infrastructure as a Service - IaaS).
Compute	AKS (Azure Kubernetes Service)	A managed Kubernetes service used to maintain and manage container workloads.
Compute	Azure Functions	Event-driven functions (Function as a Service - FaaS) for scheduled or event-based tasks, requiring no infrastructure management.
Compute	Azure App Service	A Platform as a Service (PaaS) offering to directly deploy your application code.
Compute	Azure Batch	Runs parallel batch execution jobs for heavy processing of a large amount of data (e.g., rendering images).
Storage	Azure Blob Storage	Used to store unstructured or semi-structured data like media files (images, audio, videos) and documents.
Storage	Azure Data Lake Storage	Specific storage for data analytics needs, used as a staging area for raw data for data lakes and data warehouses.
Storage	Azure Files	A file share service that can be used across different VMs (similar to replicating a Windows Server file share).
Databases	Azure Cosmos DB	A globally distributed NoSQL database.
Databases	Azure SQL Database	A fully managed PaaS for relational SQL database workloads.
Databases	Azure DB for PostgreSQL/MySQL	Customized, managed services for PostgreSQL and MySQL relational database engines.
Networking	Azure CDN (Content Delivery Network)	Delivers content from the edge (closest geographical location) for faster performance.
Networking	Azure VNet (Virtual Network)	The fundamental virtual network service to segregate and create groups of resources within your private cloud network.
Networking	Azure ExpressRoute	Helps create a high-speed, dedicated, private connection between your Azure cloud and your on-premises infrastructure.
Management	Azure Active Directory (Azure AD)	A comprehensive service providing identity and access management (IAM) capabilities for Azure customers.
Management	Azure DevOps	A suite of services that provides all DevOps tools (for CI/CD, project management) under one unified umbrella.
Management	Azure Monitor	Used for monitoring all the different resources across your Azure Cloud environment.
Analytics	Azure Synapse Analytics	Provides data warehousing solutions and analytic services.
Analytics	Azure Data Factory	An ETL (Extract, Transform, Load) tool with a user-friendly UI for creating data pipelines.
ML/AI	Azure ML (Machine Learning)	Provides services for collecting and training data, and creating/training machine learning models.
ML/AI	Azure Cognitive Services	A suite of services offering AI capabilities like image recognition, text-to-speech, Vision API, teaching, learning, and decision-making.
Security	Azure Security Center	Manages security and monitors all kinds of threats to your Azure services.
Security	Azure Sentinel	A cloud-native service providing SIEM (Security Information and Event Management) and SOAR (Security Orchestration, Automation, and Response) capabilities.