Microsoft Azure AZ900T00 Fundamentals

Duration: 1 Day (9am – 4pm)

Course Pre-Requisites: None

Course Overview

This 1-day course provides foundational knowledge on cloud concepts, core Azure services as well as Azure management and governance features and tools. Suitable for IT personnel new to Azure, it offers hands-on experience with the product, primarily using the Azure portal and command-line interface. It will equip participants with the confidence to explore more advanced Azure topics and certifications.

1. Introduction

Delve into the foundational concepts of cloud computing. Understand the inherent benefits and the different service and deployment models that Azure offers.

- Understand the benefits of cloud computing in Azure and how it can save you time and money.

- Learn about the differences between Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), and Software-as-a-Service (SaaS).

- Gain an understanding of the differences between public, private, and hybrid cloud models.

2. Core Azure Services

Azure boasts a wide array of services catering to diverse cloud needs. This section provides an overview of core services, architectural components, and the Azure Marketplace.

- Azure architectural components such as regions, availability zones, and resource groups.

- Azure services related to compute, network, storage, and databases.

- Usages of Azure Marketplace.

3. Azure Compute and Network Services

Compute and networking are pillars of cloud services. Get acquainted with Azure's offerings, from virtual machines to intricate networking tools.

- Virtual machine services, Azure App Services, and Azure Container Services.
- Azure Virtual Network and its components.
- Networking tools and services in Azure.

4. Azure Storage Services

Data is at the heart of every application. Explore Azure's robust storage solutions, including blob storage, disk storage, and various database services.

- Blob Storage and its capabilities.
- Benefits of Azure Disk Storage and Azure File Storage.
- Learn about database services in Azure such as Azure SQL Database and Cosmos DB.

5. Azure Identity, Access and Security

Security remains paramount in the digital age. Dive into Azure's identity and access management tools and understand how Azure ensures data security and compliance.

- Azure Active Directory services.
- Azure Multi-Factor Authentication.
- Security features and services in Azure.

6. Present Cost Management in Azure

Managing costs effectively is crucial for any organization. Understand Azure's cost management tools, pricing calculators, and best practices to optimize your cloud spending.

- Cost management and billing.
- Azure Pricing Calculator and Total Cost of Ownership (TCO) Calculator.
- Cost-saving practices in Azure.

7. Specify Features and Tools in Azure

Azure provides a plethora of tools for efficient cloud management. From resource management with Azure Resource Manager to advisories and monitoring, get a holistic view of Azure's toolset.

- Azure Resource Manager and Azure templates.
- Azure Advisor and its benefits.
- Azure Monitor and Azure Service Health.

8. Discuss Monitoring Tools in Azure

Monitoring and diagnostics play a vital role in ensuring application health and performance. Delve into Azure's monitoring tools, diagnostics, and understand how Azure keeps you informed about service health.

- Monitoring, diagnostics, and Azure Monitor.
- Azure Service Health and its benefits.
- Logging and auditing in Azure.