

Microsoft Azure Fundamentals

Description

During this course, students will be introduced to the principles of cloud computing and will become familiar how these principles have been implemented in Microsoft Azure. In addition, this course will take students through the process of implementing the core Azure infrastructure, consisting of virtual networks and storage. With this foundation, students will learn how to create the most common Azure services, including Azure virtual machines (VMs), Web Apps, and SQL Databases. The course will conclude by describing features of Azure Active Directory (Azure AD) and methods of integrating it with on-premises Active Directory.

Delegates will learn how to

- Describe cloud computing, Azure, and Azure subscriptions.
- Describe and create Azure Web Apps.
- Create and configure VMs in Microsoft Azure.
- Create an Azure virtual network.
- Describe Azure storage.
- Describe and deploy databases in Azure.
- Describe Azure AD.

Outline

- **Getting Started with Microsoft Azure**

- What is cloud computing?
- What is Azure?
- Managing Azure Subscription management, support, and billing

Microsoft Azure management tools

- What is Azure PowerShell
- The Azure SDK and the Azure CLI

Virtual machines in Microsoft Azure

- Creating and configuring VMs
- Configure disks

Web Apps and cloud services

- Creating and configuring web apps
- Deploying and monitoring web apps
- Creating and deploying PaaS cloud services

Creating and configuring virtual networks

- Getting started with virtual networks
- Creating a virtual network
- Getting started with Azure Load Balancers

Cloud storage

- Understanding cloud storage
- Create and manage storage

Microsoft Azure databases

- Understanding options for relational database deployment
- Creating and connecting to Azure SQL databases

Creating and managing Azure AD

- Overview of Azure AD
- Manage Azure AD authentication

Prerequisites

There is no prerequisite