



The CloudDesk Inc., a subsidiary of **The OneWayForward Inc.**

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Microsoft Azure Fundamentals Training Course

Description

The Microsoft Azure Fundamentals course provides introductory knowledge and hands-on practices on Microsoft Azure cloud environment, exploring key services, including virtual machines, networking, storage and databases, and web applications. The course also highlights cost management practices.

Course Objectives

After completing this course, students will be able 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.
- Configure and deploy web applications.
- Creating Azure Web Apps from the gallery.
- Deploying and monitoring Azure Web Apps.
- Creating and configuring Azure Virtual Machines.

Intended Audience

This course is intended for individuals who want to evaluate deploying, configuring, and administering services and VMs using Azure, including:

- Developers who want to evaluate creating Azure solutions.
- Windows Server administrators who are looking to evaluate the migration of on-premises Active Directory services and roles to the cloud.
- IT professionals who want to evaluate the use of Azure to host web sites and mobile app back-end services.
- Database administrators who want to evaluate the use of Azure to host SQL databases.

Prerequisites

Before attending this course, students must have:

- 1) A basic understanding of websites;
- 2) A basic understanding of Active Directory concepts including: Domains, Users, Domain Controllers;
- 3) A basic understanding of database concepts including tables and simple queries.

Duration

1 full day, 09:00 AM - 04:00 PM, Egypt time.

Course Overview

1 - Getting Started with Microsoft Azure

What is cloud computing?

What is Azure?

Managing Azure Subscription management, support, and billing

Lab : Using the Azure portals

2 - Microsoft Azure management tools

What is Azure PowerShell

The Azure SDK and the

Azure CLI

Lab : Using Microsoft Azure management tools

3 - Virtual machines in Microsoft Azure

Creating and configuring VMs

Configure disks

Lab : Creating a VM in Azure

4 - Web Apps and cloud services

Creating and configuring web apps

Deploying and monitoring web apps

Creating and deploying PaaS cloud services

Lab : Web Apps and cloud services

5 - Creating and configuring virtual networks

Getting started with virtual networks

Creating a virtual network

Getting started with Azure Load Balancers

Lab : Create a virtual network

6 - Cloud storage

Understanding cloud storage

Create and manage storage

Lab : Configure Azure Storage

7 - Microsoft Azure databases

Understanding options for relational database deployment

Creating and connecting to Azure SQL databases

Lab : Creating a SQL Database in Azure

8 - Creating and managing Azure AD

Overview of Azure AD Manage

Azure AD authentication

Lab : Create users in Azure Active Directory tenants

9 - Building Application Infrastructure in Azure

Constructing Azure Virtual Machines

Azure Virtual Machine Workloads

Migrating Azure Virtual Machine Instances

Highly Available Azure Virtual Machines

Virtual Machine Configuration Management

Customizing Azure Virtual Machine Networking

Lab : Creating an Azure Virtual Machine for Development and Testing

10 - Hosting Web Applications on the Azure Platform

Azure Web Apps Hosting

Web Applications in Azure

Configuring an Azure Web App

Publishing an Azure Web App

Lab : Creating an ASP.NET Web App by Using Azure Web Apps

Fees

Price per attendee is USD 150 to be paid in advance.

Contact us to register: <http://www.cloudesk.site/contact.htm>