

AZF: Microsoft Azure Fundamental

Objective: This course provides knowledge in Microsoft Azure, Microsoft's cloud computing platform. The course describes about Microsoft cloud service model, Azure Virtual Network, Azure virtual machine, Azure web sites, and some Microsoft Azure services. The course also provides lab and demonstration for audience to complete the scenario in real world environment.

Who Should Attend: This course is intended for information technology (IT) professionals who have some Microsoft infrastructure e.g. Hyper-V, Active Directory, DNS, DHCP and require to extend to the cloud based technology.

Course Benefit: After completing this course, participants will be able to:

- Plan Describe Azure architecture components including infrastructure, tools, and portals.
- Implement and manage virtual networking and virtual machine.
- Implement, manage, backup and monitor storage solutions.
- Deploy and configure websites.
- Deploy, configure, monitor, and diagnose cloud services.

Duration: 2 days (12 hours), 09:00 – 16:00

Training Date: See Training Schedule on www.knowledgertraining.com

Fee: 7,900 Baht (VAT 7% = 553 Baht, Total = 8,453 Baht)
Early Bird 7,000 Baht - to be paid 2 weeks prior to training (VAT 7% = 490 Baht, Total = 7,490 Baht)

Venue: Jasmine City Hotel, Soi Sukhumvit 23, Asoke, Bangkok

Method: Workshops

Language: Thai

Instructors: Thanyapon Sananakin MVP, MCITP, MCT, CCNA
(See trainer profile on www.knowledgertraining.com)

Registration: Fill in IT Registration Form and send to info@knowledgertraining.com

Preparation for Training by Audience:

- A laptop with internet access
- A Microsoft account e.g. Hotmail.com, live.com for Azure subscription
- A valid credit card for Azure Subscription (No credit card charge, only for verification)
- A Telephone number for Azure Subscription

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Course Outline:

Module 1: Introduction to Azure

This module provides the students a high level introduction to Azure.

Lessons

- Cloud Technology Overview
- Microsoft Azure
- Azure Portals
- Managing Azure with Windows PowerShell

Lab: Introduction to Azure

- Subscribing to Azure Trial with 200 USD within 1 month
- Using Azure Portals
- Using Azure PowerShell

Module 2: Implement and Manage Virtual Networks

In this module students will learn how to implement Virtual Networks, why they are important and how to manage them post-implementation.

Lessons

- Planning Virtual Networks
- Implementing and Managing Virtual Networks
- Configuring Connections to Virtual Networks

Lab: Creating Virtual Networks

- Creating the Virtual Network
- Validating Virtual Network Connectivity

Module 3: Implement Virtual Machines

In this module, students will see how Microsoft Azure VMs can host services for their users and customers and how to create, install, and configure VMs with different operating systems and software platforms.

Lessons

- Introduction to IaaS Cloud Services
- Planning Virtual Machine Workloads
- Creating Virtual Machines

Lab : Implementing Virtual Machines

- Deploying Windows Virtual Machines
- Deploying Linux Virtual Machines

Module 4: Managing Virtual Machines

In this module the student will learn how to properly configure Virtual Machines and Virtual Machine Disks as well as managing and monitoring the Virtual Machine environments ensuring security, availability and scalability.

Lessons

- Configuring Virtual Machines
- Managing and Configuring Virtual Machine Disks
- Managing and Monitoring Virtual Machines

Lab : Managing Virtual Machines

- Creating Endpoint

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- Managing IP Address for Azure Virtual Machine
- Using the Cross Platform Command-Line Interface

Module 5: Implementing Websites

In this module students will learn how to plan for website deployment, covering different levels of website and differing deployment models. They will then learn how to deploy a website, how to configure the site, how to monitor the performance of the site, what Webjobs are and how to use them and finally what Traffic Manager is and how it is used.

Lessons

- Planning for Website Deployment
- Deploying Websites
- Configuring Websites
- Monitoring Websites
- Traffic Manager

Lab: Implementing Websites

- Creating Websites
- Deploying a Website
- Managing Websites

Module 6: Planning and Implementing Storage

In this module students will look at types of storage, how to choose/plan storage, storage accounts, and affinity groups. They will move on to learn how implement BLOBs and azure files, recovery services and backup, diagnostics, monitoring, and analytics.

Lessons

- Planning Storage
- Implementing and Managing Storage
- Backup and Monitoring Storage

Lab: Planning and Implementing Storage

- Creating and Configuring Storage
- Using Azure File Storage
- Protecting Data with Azure Backup