5 Days | 20533 Implementing Microsoft Azure Infrastructure Solutions

Implementing Microsoft Azure Infrastructure Solutions Training is a five-day course, intended for IT professionals having an affinity to manage on-premise IT deployments that include AD DS, virtualization technologies, and applications.

Professionals attending this course are ideally those people who work for organizations that are seeking to locate some or all of their infrastructure services on Azure.

This training will prepare the candidates for the 70-533: Developing Microsoft Azure Solutions Certification exam.

Course Details

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Course Outline

Module 1: Introduction to Azure

This module describes cloud solutions and different Azure services.

Lessons

- Overview of Azure
- Overview of Azure Resource Manager
- Azure management services
- Cloud technology overview
- Managing Azure with Windows PowerShell
- Managing Azure with the Azure portal

Module 2: Implementing and managing Azure networking

This module explores how virtual networking provides the glue that brings together VMs, web apps, and storage to enable to publish a service onto the Internet.

Lessons

- Overview of Azure networking
- Overview of Azure networking in an infrastructure as a service (IaaS) version 1 (v1)
- Implementing and managing Azure virtual networks

- Configuring Azure virtual networks

- Configuring Azure virtual network connectivity

Module 3: Implementing virtual machines

This module explores how to implement virtual machines.

Lessons

- Overview of IaaS v2 virtual machines

- Overview of IaaS v1 virtual machines

- Authoring Azure Resource Manager templates

- Planning for Azure virtual machines

- Deploying Azure IaaS v2 virtual machines

Module 4: Managing virtual machines

This module describes how to manage virtual machines.

Lessons

- Configuring virtual machines

- Configuring virtual machine disks

- Managing IaaS v1 virtual machines

- Managing and monitoring Azure virtual machines

Module 5: Implementing Azure App services

This module describes how to implement Azure Web App services.

Lessons

- Introduction to App Service

- Planning app deployment in App Service

- Monitoring web apps and WebJobs

- Implementing and maintaining web apps

- Configuring web apps

- Traffic Manager

- Implementing mobile apps

Module 6: Planning and implementing storage, backup, and recovery services

This module describes how to plan and implement storage, backup, and recovery services.

Lessons

- Planning storage

- Implementing Azure Content Delivery Networks

- Implementing and managing storage

- Implementing Azure Backup

- Planning for and implementing Azure Site Recovery

Module 7: Planning and implementing Azure SQL Database

This module describes how to plan and implement Azure SQL Database.

Lessons

- Planning and deploying Azure SQL Database

- Monitoring Azure SQL Database

- Managing Azure SQL Database security

- Managing Azure SQL Database business continuity

- Implementing and managing Azure SQL Database

Module 8: Implementing PaaS cloud services

This module describes how to implement platform as a service (PaaS) cloud services.

Lessons

- Manage and maintain cloud services

- Plan and deploy PaaS cloud services

Module 9: Implementing Azure Active Directory

This module describes how to implement Azure AD.

Lessons

- Overview of Azure AD Premium

- Creating and managing Azure AD tenants

- Configuring application and resource access with Azure AD

Module 10: Managing Active Directory in a hybrid environment

This module describes how to manage Active Directory in a hybrid environment.

Lessons

- Implementing directory synchronization by using Azure AD Connect

- Implementing federation

- Extending on-premises Active Directory domain to Azure

Module 11: Implementing Azure-based management and automation

This module describes how to implement Azure-based management and automation.

Lessons

- Implementing Azure Automation and automation run books.

- Implementing Microsoft Operations Management Suite (OMS)

- Managing Azure Automation

Who Should Attend

Microsoft Azure Infrastructure Solutions certification course is intended for IT professionals who carry the knowledge of cloud technologies and wish to learn more about Azure.

- Windows Server administrators who are looking to evaluate and migrate on-premises Active Directory roles and services to the cloud.

- IT professionals who are looking for Microsoft 70-533 exam prep.

- IT professionals who are experienced in other non-Microsoft cloud technologies, meet the course prerequisites and want to cross-train on Azure.

- IT professional who use Microsoft System Center to manage and orchestrate server infrastructure.

- IT professionals who want to use Windows Azure to host websites and mobile app backend services.

- IT professionals who want to deploy, configure and administer services and virtual machines (VMs) in Azure.

Pre Requisite

Before attending this course, candidates must possess the following:

- Understanding of Websites

- Understanding of On-premises Virtualization technologies.

- Understanding of resilience and disaster recovery.

- Understanding of Network configuration.

- Completed the Microsoft Certified Systems Administrator (MCSA) certification in Windows Server 2012.

Exams

Microsoft Certified Professional (MCP) [70-533]

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