Training Course:
Microsoft Azure Administrator

29 April - 3 May 2024
Rome (Italy)

Training Course:
Microsoft Azure Administrator

Training Course code: IT234692 From: 29 April - 3 May 2024 Venue: Rome (Italy) - Training Course Fees: 5775 ⏣ Euro

Introduction

This training course teaches IT Professionals how to manage their Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create and scale virtual machines, implement web apps and containers, back up and share data, and monitor your solution.

Course Objectives

- How to secure identities with Azure Active Directory, and implement users and groups.
- Manage subscriptions and accounts, implementing Azure policies, and using Role-Based Access Control.
- What are the tools an Azure Administrator uses to manage their infrastructure?
- What are the basic virtual networking concepts like virtual networks and sub-netting, IP addressing, network security groups, Azure Firewall, and Azure DNS?
- Interstice connectivity features including VNet Peering, Virtual Network Gateways, and Site-to-Site Connections.
- Network traffic strategies including network routing and service endpoints, Azure Load Balancer, and Azure Application Gateway.
- Basic storage features including storage accounts, blob storage, Azure files and File Sync, storage security, and storage tools.
- Azure virtual machines including planning, creating, availability and extensions.
- How to administer server less computing features like Azure App Service, Azure Container Instances, and Kubernetes.
- Backing up files and folders, and virtual machine backups.
- Monitoring your Azure infrastructure including Azure Monitor, alerting, and log analytics.

Target Audience

This course is for Azure Administrators. The Azure Administrator implements, manages, and monitors identity, governance, storage, compute, and virtual networks in a cloud environment. The Azure Administrator will provision, size, monitor, and adjust resources as appropriate.

Prerequisites

- Successful Azure Administrators start this role with experience in virtualization, networking, identity, and storage.
- Understanding of on-premises virtualization technologies, including: VMs, virtual networking,and virtual hard disks.
- Understanding of network configurations, including TCP/IP, Domain Name System DNS,virtual private networks VPNs, firewalls, and encryption technologies.
- Understanding of Active Directory concepts, including users, groups, and role-based access control.
- Understanding of resilience and disaster recovery, including backup and restore operations.

Course Outlines

Module 1: Identity

- Azure Active Directory
- Users and Groups

Lab: Manage Azure Active Directory Identities

Module 2: Governance and Compliance

- Subscriptions and Accounts
- Azure Policy
- Role-based Access Control RBAC

Lab: Manage Subscriptions and RBAC

Lab: Manage Governance via Azure Policy

Module 3: Azure Administration

- Azure Resource Manager
- Azure Administrator Tools
- ARM Templates

Lab: Manage Azure resources by Using ARM Templates

Lab: Manage Azure resources by Using Azure PowerShell optional

Lab: Manage Azure resources by Using Azure CLI optional

Lab: Manage Azure resources by Using the Azure Portal

Module 4: Virtual Networking

- Virtual Networks
- Network Security groups
- Azure Firewall
- Azure DNS

Lab: Implement Virtual Networking

- Configure private and public DNS zones.

Module 5: Inter site Connectivity

- VNet Peering
- VPN Gateway Connections
- ExpressRoute and Virtual WAN

Lab: Implement Inter site Connectivity

Module 6: Network Traffic Management

- Network Routing and Endpoints
- Azure Load Balancer
- Azure Application Gateway

Lab: Implement Traffic Management

Module 7: Azure Storage

- Storage Accounts
- Blob Storage
- Storage Security
- Azure Files and File Sync
- Managing Storage

Lab: Manage Azure storage

Module 8: Azure Virtual Machines

- Virtual Machine Planning
- Creating Virtual Machines
- Virtual Machine Availability
- Virtual Machine Extensions

Lab: Manage virtual machines

Module 9: PaaS Compute Options

- Azure App Service Plans
- Azure App Service
- Container Services
- Azure Kubernetes Service

Lab: Implement Web Apps

Lab: Implement Azure Kubernetes Service

Lab: Implement Azure Container Instances

Module 10: Data Protection

- File and Folder Backups
- Virtual Machine Backups

Lab: Implement Data Protection

Module 11: Monitoring

- Azure Monitor
- Azure Alerts
- Log Analytics

- Network Watcher

Lab: Implement Monitoring

Registration form on the Training Course:
Microsoft Azure Administrator

Training Course code: IT234692 From: 29 April - 3 May 2024 Venue: Rome (Italy) - Training Course Fees: 5775 ⬜ Euro

Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

Delegate Information

Full Name (Mr / Ms / Dr / Eng): ....
Position: ....
Telephone / Mobile: ....
Personal E-Mail: ....
Official E-Mail: ....

Company Information

Company Name: ....
Address: ....
City / Country: ....

Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): ....
Position: ....
Telephone / Mobile: ....
Personal E-Mail: ....
Official E-Mail: ....

Payment Method

☐ Please find enclosed a cheque made payable to Global Horizon

☐ Please invoice me

☐ Please invoice my company

Easy Ways To Register

| Telephone: +201095004484 to provisionally reserve your place. | Fax your completed registration form to: +20233379764 | E-mail to us : info@gh4t.com or training@gh4t.com | Complete & return the booking form with cheque to:Global Horizon 3 Oudai street, Aldouki, Giza, Giza Governorate, Egypt. |