

## **COURSE AZ-104T00: MICROSOFT AZURE ADMINISTRATOR**

**Duration:** 4 Days

**Delivery Method:** Instructor-led Classroom / Virtual Classroom

### **ABOUT THIS COURSE:**

This 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.

### **AUDIENCE PROFILE:**

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.

**COURSE OUTLINE:**

Here is the complete course outline.

**Module 1: Identity**

In this module, you will learn how to secure identities with Azure Active Directory, and implement users and groups.

<p><b>LESSONS</b></p> <p>Azure Active Directory</p> <p>Users and Groups</p>	<p><b>LAB : Manage Azure Active Directory Identities</b></p>
---	--

**Module 2: Governance and Compliance**

In this module, you will learn about managing your subscriptions and accounts, implementing Azure policies, and using Role-Based Access Control.

<p><b>LESSONS</b></p> <p>Subscriptions and Accounts</p> <p>Azure Policy</p> <p>Role-based Access Control (RBAC)</p>	<p><b>LAB : Manage Subscriptions and RBAC</b></p> <p><b>LAB : Manage Governance via Azure Policy</b></p>
---	--

**Module 3: Azure Administration**

In this module, you will learn about the tools an Azure Administrator uses to manage their infrastructure. This includes the Azure Portal, Cloud Shell, Azure PowerShell, CLI, and Resource Manager Templates.

**LESSONS**

- Azure Resource Manager
- Azure Portal and Cloud Shell
- Azure PowerShell and CLI
- ARM Templates

**LAB : Manage Azure resources by Using the Azure Portal**

**LAB : Manage Azure resources by Using ARM Templates**

**LAB : Manage Azure resources by Using Azure PowerShell**

**LAB: Manage Azure resources by Using Azure CLI**

**Module 4: Virtual Networking**

In this module, you will learn about basic virtual networking concepts like virtual networks and subnetting, IP addressing, network security groups, Azure Firewall, and Azure DNS,

**LESSONS**

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

**LAB : Implement Virtual Networking**

**Module 5: Intersite Connectivity**

In this module, you will learn about intersite connectivity features including VNet Peering, Virtual Network Gateways, and Site-to-Site Connections.

<p><b>LESSONS</b></p> <p>VNet Peering</p> <p>VPN Gateway Connections</p> <p>ExpressRoute and Virtual WAN</p>	<p><b>LAB : Implement Intersite Connectivity</b></p>
--	--

**Module 6: Network Traffic Management**

In this module, you will learn about network traffic strategies including network routing and service endpoints, Azure Load Balancer, Azure Application Gateway, and Traffic Manager.

<p><b>LESSONS</b></p> <p>Network Routing and Endpoints</p> <p>Azure Load Balancer</p> <p>Azure Application Gateway</p> <p>Traffic Manager</p>	<p><b>LAB Implement Traffic Management</b></p>
---	--

**Module 7: Azure Storage**

In this module, you will learn about basic storage features including storage accounts, blob storage, Azure files and File Sync, storage security, and storage tools.

<p><b>LESSONS</b></p> <p>Storage Accounts</p> <p>Blob Storage</p> <p>Storage Security</p> <p>Azure Files and File Sync</p> <p>Managing Storage</p>	<p><b>LAB : Manage Azure storage</b></p>
--	--

**Module 8: Azure Virtual Machines**

In this module, you will learn about Azure virtual machines including planning, creating, availability and extensions.

<p><b>LESSONS</b></p> <p>Virtual Machine Planning</p> <p>Creating Virtual Machines</p> <p>Virtual Machine Availability</p> <p>Virtual Machine Extensions</p>	<p><b>LAB : Manage virtual machines</b></p>
--	---

**Module 9: Serverless Computing**

In this module, you will learn administer serverless computing features like Azure App Service, Azure Container Instances, and Kubernetes.

<p><b>LESSONS</b></p> <p>Azure App Service Plans</p> <p>Azure App Service</p> <p>Container Services</p> <p>Azure Kubernetes Service</p>	<p><b>LAB : Implement Web Apps</b></p> <p><b>LAB : Implement Azure Container Instances</b></p> <p><b>LAB : Implement Azure Kubernetes Service</b></p>
---	---

**Module 10: Data Protection**

In this module, you will learn about backing up files and folders, and virtual machine backups.

<p><b>LESSONS</b></p> <p>File and Folder Backups</p> <p>Virtual Machine Backups</p>	<p><b>LAB : Implement Data Protection</b></p>
---	---

## Module 11: Monitoring

In this module, you will learn about monitoring your Azure infrastructure including Azure Monitor, alerting, and log analytics.

### LESSONS

Azure Monitor

Azure Alerts

Log Analytics

Network Watcher

### LAB : Implement Monitoring

*FOR MORE INFORMATION ABOUT OUR TRAINING COURSES,  
CALL US AT 03-6234-3883  
OR VISIT OUR WEBSITE AT [www.Quill.com.au](http://www.Quill.com.au)*