



MICROSOFT AZURE ADMINISTRATOR CERTIFICATION COURSE FOR AZ- 104

**Microsoft Azure Solutions skills and take your
career to the next level!**

ADMINISTRATOR CERTIFICATION COURSE FOR AZ- 104

This certification course has been designed by industry experts to help you prepare for the Architect Technologies Exam. Through this training, you will gain knowledge in fundamental to advance configuration for networking, security, reliability, virtualization, identity, disaster recovery, data management, budgeting, etc. You will also receive official Microsoft course material for “Microsoft Azure Administration”.

JOB

1.3 Million Job Postings

There is a global estimate of 1.3 million job postings for Microsoft Azure Infrastructure Solutions by 2023

Growth

Growing Microsoft Azure Industry

40% CAGR in the global Microsoft Azure industry

Demand

High Demand

By 2023, India and US will face a demand supply gap of 300,000 Microsoft Azure Infrastructure Solutions

About Program

This Microsoft Azure Infrastructure Solutions Certification Course for AZ-104 will provide you with definitive training in Administration, implementation and monitoring Microsoft Azure infrastructure solutions. As a part of the training, you will get hands-on experience by working on real-world projects for building scalable Azure infrastructure, designing web apps, etc., and become industry-ready.

Key Highlights

- ✓ 40 Hrs Instructor-led virtual Training
- ✓ Recording would be provided of all sessions
- ✓ Project / Lab based Training
- ✓ Certification Assistance will be provided
- ✓ Microsoft Certified Trainer will conduct the training
- ✓ Trainer has 18+ years of industry experience

Program Curriculum

Module 1

Introduction to Microsoft Azure

- Introduction to cloud computing
- What is Microsoft Azure?
- Microsoft Azure Services
- Azure Portal
- Azure CLI
- Azure PowerShell

Module 2

Manage Microsoft Entra ID users and groups

- Create users and groups
- Manage user and group properties
- Manage licenses in Microsoft Entra ID
- Manage external users
- Configure self-service password reset (SSPR)
- Manage built-in Azure roles
- Assign roles at different scopes
- Interpret access assignments

Module 3

Azure Administration

- Azure Portal introduction
- Azure PowerShell
- Azure Bash
- Azure ARM

Module 4

Azure Governance and Compliance

- Azure Subscription
- Azure Cost Management
- Azure Policy
- RBAC

Module 5

Azure Networking

- Azure Virtual Networks
- Azure Vnet
- Components IP Address
- Public & Private IPs
- Azure Vnet Subnets
- Azure Network Interface Cards (NIC)
- Network Security Group (NSG)
- Azure DNS
- Private DNS

Module 6

Azure Intersite Connectivity

- Azure Vnet Peering
- Azure Vnet
- Hybrid Networking (VPN)
- Network Routing Table
- Network Endpoint

Program Curriculum

Module 7

Administration of Network Traffic

- Application Gateway
- Azure Load Balancers
- Azure Firewall
- Azure Bastion
- Network Watcher

Module 8

Azure Storage Account

- Azure Storage Account
- Azure Container / Blob Service
- Azure Table Storage
- Azure Queue Storage
- Azure Storage Explorer
- Azure Shared Access Signature (SAS)
- Azure Storage Replication
- Data Replication Options
- Azure Import/Export Service

Module 9

Microsoft Azure Virtual Machine

- Azure Virtual Machines
- Data Disks in Azure
- Availability Set / Zone
- Azure VM Size
- Azure VM Scaling
- Virtual Machine Scale Sets

Module 10

Azure PaaS Compute Option

- Azure App Service Plan
- Azure App Service
- Azure Container Service
- Azure Kubernetes Service

Module 11

Azure Data Protection

- Azure Backup Centre
- Azure Files and Folder Backup
- On-Premises Files and Folder Backup
- Azure Virtual Machine Backup
- On-Premises VM Backup

Module 12

Azure Monitoring

- Azure Monitor
- Azure Metrics Log Analytics
- Alerts and actions
- Application Insights
- Backup reports
- Recovery Services
- Vault Backing Up
- Azure Virtual Machines
- VM Backup Policies
- Restoring Azure Virtual machines

Course Projects

Projects cover the following industries:



Retail



Social Media



Banking



Healthcare



E-Commerce



Insurance



Supply Chain

Handling Identity management based on provided architectural requirements

The learners will create Azure Entra ID, and deploy User, group, computer and applications. Handle roles and permission of users, computers and applications. Deploy MFA at the same time. Monitor the activities of users.

Building a dashboard to monitor your website

Monitoring a website with Azure is included in the project wherein the learners will build a dashboard. The learners will use Azure metrics and monitor an organization's website, which is running on a web application, for managing it.

Implementing a New Architecture to the Company's Website

Design an architecture according to the requirement for application gateway, storage accounts, and traffic manager. Use VNET to establish a connection between two networks. Use these services to create a highly-available architecture.

Case Study 1 - Introduction to Cloud Computing

The project involves solving the issue of not wanting the corporation's confidential data on the cloud while migrating to Microsoft Azure. Here, all resources are governed and track costing and billing is performed separately.

Case Study 2 - Microsoft Azure Storage

The project involves the learners solving latency issues, difficulty in accessing common files and tools, and easing the upload of static content to Azure Storage. The learners will also create and configure a CDN endpoint.

Case Study 3 - Azure Virtual Machines

This project allows the learners to manage scaling requirements by using scale sets and use a custom image to create a virtual machine and automate the scaling of virtual machines as required.

Case Study 4 - Microsoft Azure Networking

This project involves creating a VNET with multiple subnets and deploying virtual machines within it. It also involves establishing a connection between these subnets and enabling the resources within them to communicate privately.

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Case Study 5 - Load Balancing and Network Watcher

The learners will study how to successfully set up a load balancer for backend resources and ensure that the setting is such that a single frontend IP is exposed and a network watcher is available to generate alerts in Azure portal.

Case Study 6 - Access Management in Azure

The project adds users to the organization's custom active directory domain and provides access to some of the services managed by them. The password authentication method and MFA must be set up with a verification option.

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