AZ-104

Microsoft Azure Administrator

TRAINING & CERTIFICATION

Microsoft Partner

The AZ-104 Microsoft Azure Administrator certification validates the competencies of candidates in managing cloud services including computing, networking, storage, storage, security, and other Microsoft Azure cloud capabilities. The certification and training renders across the board understanding of cloud services across...

OVERVIEW

The AZ-104 certification is a new path to get certified as a Microsoft Azure Administrator. It is designed to measure the candidate skills as an Azure Administrator to implement, manage, and monitor identity in the cloud environment. The Azure Administrator will provision, size, monitor, and adjust resources appropriately. The AZ-104 Certification training provides you a deep understanding of the administrative life-cycle. This Azure AZ-104 course shows you how Azure administrators maintain services related to computing, storage, network, and security. The AZ-104 certification training enhances your skills and prepares you for the AZ-104 certification exam. Candidates also gain hands-on exposure to optimize cloud performance and scalability, provisioning, reliability, and monitoring.

This Azure certification course tends to explain:

• How to manage Azure AD objects.
• How to manage role-based access control (RBAC).
• How to manage subscriptions and governance.
• How to manage storage accounts.
• How to manage data in Azure Storage
• How to configure Azure files and Azure blob storage.
• How to configure VMs for high availability and scalability
• How to automate deployment and configuration of VMs.
• How to create and configure VMs.
• How to create and configure containers.
• How to create and configure Web Apps.
• How to monitor and troubleshoot virtual networking.
• How to configure name resolution.
• How to secure access to virtual networks.
• How to configure load balancing
• How to monitor and troubleshoot virtual networking
• How to integrate an on-premises network with an Azure virtual network.
• How to monitor resources by using Azure Monitor.
• How to implement backup and recovery.

Target Audience

• Azure Administrators

• Azure Cloud Engineers

• Systems Administrators intending to advance their Azure skills

Pre-Requisite

• Minimum 6 months of hands-on experience administering Azure.

• Strong understanding of core Azure services, Azure workloads, security, and governance.

• Experience in using PowerShell, the command-line interface, Azure portal, and ARM templates.

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Exam Information

The candidates need to pass the following certification exam get recognized as certified Azure Administrator:

Certification Name	Microsoft Azure Administrator Exam AZ-104
Number of Questions	40 to 60
Test Duration	150 minutes
Test Format	Multiple Choice Questions
Passing score	700 out of 1000

Why Infosec Train?

Certified & Experienced Instructor

Flexible Schedule

Access to the recorded sessions

Post Training Support

Tailor Made Training

4 hrs/day in Weekend/ Weekday

Our Expert Instructors

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Krish is a senior technical consultant and passionate trainer. He has more than 15 years of experience in various IT domains including Cloud Computing, Security, Linux & Infrastructure Design. He has trained almost 400+ professionals worldwide on various IT domains.

KRISH

CCSP | CCSK | AWS-Sec | AWS CSA-P | MCT | Azure Sec | CEH | MCTS

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Rishabh served as a corporate trainer & Consultant with nearly 8+ years of experience across the diverse industry. Good hands-on experience in vulnerability assessment, Penetration Testing.

RISHABH KOTIYAL

AZ 104 | AZ 500 | AZ 303 | AZ 304 | CEH I ECIH I ECSA I CND I CEI I securitY+ I CSA

HAPPY LEARNERS FROM THE WORLD

Tosin Adelakun
Azure 104 | Canada

This training is very helpful, the trainer did a good job in presenting the ideas in a simplified manner.

Lakshmi sahithi
Azure 104 | India

The training was conducted in a very comfortable manner. Trainer is very humble and was able to demonstrate most of the concepts hands on.

Nalin Dubey
Azure 104 | India

The trainer had the time to clear doubts and give advice for personal usage as well. I have attended sessions for other courses as well. Would highly recommend the trainer and the course.
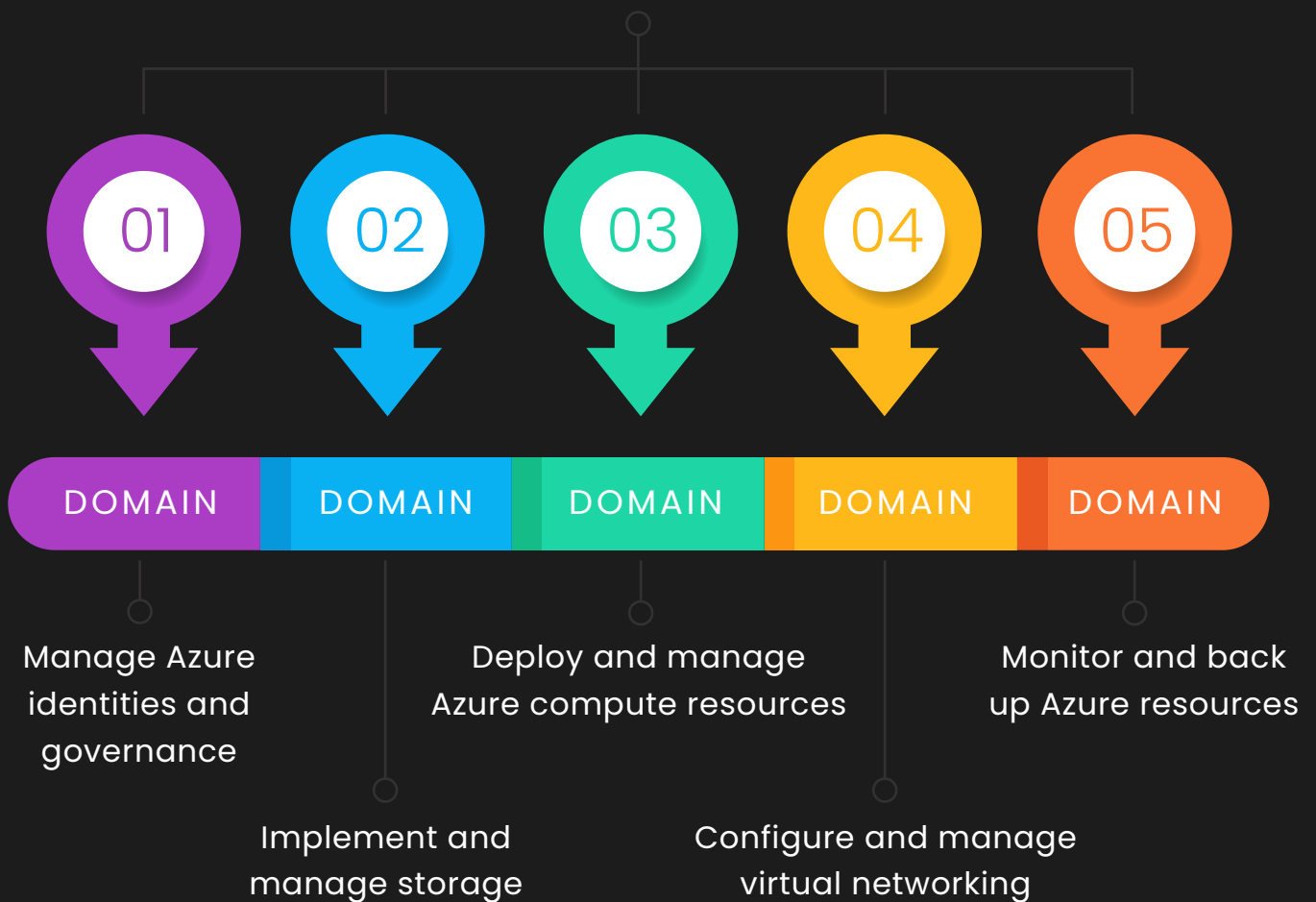
Venkatesh Thiruvenkadam
Azure 104 | Malaysia

The training was very informative and the trainer was very knowledgeable in the subject matter

DOMAIN WISE AGENDA

AZ-104: Azure Administrator

01	02	03	04	05
DOMAIN	DOMAIN	DOMAIN	DOMAIN	DOMAIN

Manage Azure identities and governance

Deploy and manage Azure compute resources

Monitor and back up Azure resources

Implement and manage storage

Configure and manage virtual networking

AZ-104: Azure Administrator

Domain 1: Manage Azure identities and governance

Manage Azure AD objects

• Create users and groups

• Manage user and group properties

• Manage device settings

• What is enterprise state roaming?

• Manage users and groups in Azure Active Directory

• Manage guest accounts

• Configure Azure AD join

• Configure self-service password reset

• Plan an Azure Active Directory self-service password reset

Manage role-based access control (RBAC)

• Create a custom role

• Provide access to Azure resources by assigning roles (subscriptions, resource groups. resources)

• Interpret access assignments

• Manage multiple directories

Manage subscriptions and governance

• Configure Azure policies

• Configure resource locks

• Apply tags

• Create and manage resource groups (move and remove)

• Manage subscriptions

• Configure Cost Management

• Configure management groups

Domain 2: Implement and manage storage (15–20%)

Manage storage accounts

- Configure network access to storage accounts
- Create and configure storage accounts
- Generate shared access signature
- Manage access keys
- Implement Azure storage replication
- Configure Azure AD Authentication for a storage account

Manage data in Azure Storage

- Export from Azure job
- Import into Azure job
- Copy data by using AZCopy

Configure Azure files and Azure blob storage

- Create an Azure file share
- Create and configure Azure File Sync service
- Configure Azure blob storage
- Configure storage tiers for Azure blobs

Domain 3: Deploy and manage Azure compute resources

Configure VMs for high availability and scalability

• Configure high availability
• Deploy and configure scale sets

Automate deployment and configuration of VMs

• Modify Azure Resource Manager (ARM) template
• Configure VHD template
• Deploy from template
• Save a deployment as an ARM template
• Automate configuration management by using custom script extensions

Create and configure VMs

• Configure Azure Disk Encryption
• Move VMs from one resource group to another
• Manage VM sizes
• Add data discs
• Configure networking
• Redeploy VMs

Create and configure containers

• Create and configure Azure Kubernetes Service (AKS)
• Create and configure Azure Container Instances (ACI)

Create and configure Web Apps

• Create and configure App Service
• Create and configure App Service Plans

Domain 4: Configure and manage virtual networking

Implement and manage virtual networking

• Create and configure VNET peering

• Configure private and public IP addresses, network routes, network interface, subnets, and virtual network

Configure name resolution

• Configure Azure DNS

• Configure custom DNS settings

• Configure a private or public DNS zone

Secure access to virtual networks

• Create security rules

• Associate an NSG to a subnet or network interface

• Evaluate effective security rules

• Deploy and configure Azure Firewall

• Deploy and configure Azure Bastion Service

Configure load balancing

• Configure Application Gateway

• Configure an internal load balancer

• Configure load balancing rules

• Configure a public load balancer

Monitor and troubleshoot virtual networking

• Monitor on-premises connectivity

• Use Network Performance Monitor

• Use Network Watcher

• Troubleshoot external networking

• Troubleshoot virtual network connectivity

Integrate an on-premises network with an Azure virtual network

• Create and configure Azure VPN Gateway

• Create and configure VPNs

• Configure ExpressRoute

• Configure Azure Virtual WAN

Domain 5: Monitor and back up Azure resources

Monitor resources by using Azure Monitor

• Configure and interpret metrics (Analyze metrics across subscriptions)

• Configure Log Analytics (Implement a Log Analytics workspace, Configure diagnostic settings)

• Query and analyze logs (Create a query, Save a query to the dashboard, Intepret graphs)

• Set up alerts and actions (Create and test alerts, Create action groups, View alerts in Azure Monitor, Analyze alerts across subscriptions)

• Configure Application Insights

Implement backup and recovery

• Configure and review backup reports

• Perform backup and restore operations by using Azure Backup Service

• Create a Recovery Services Vault (Use soft delete to recover Azure VMs)

• Create and configure backup policy

• Perform site-to-site recovery by using Azure Site Recovery

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