AVEREST

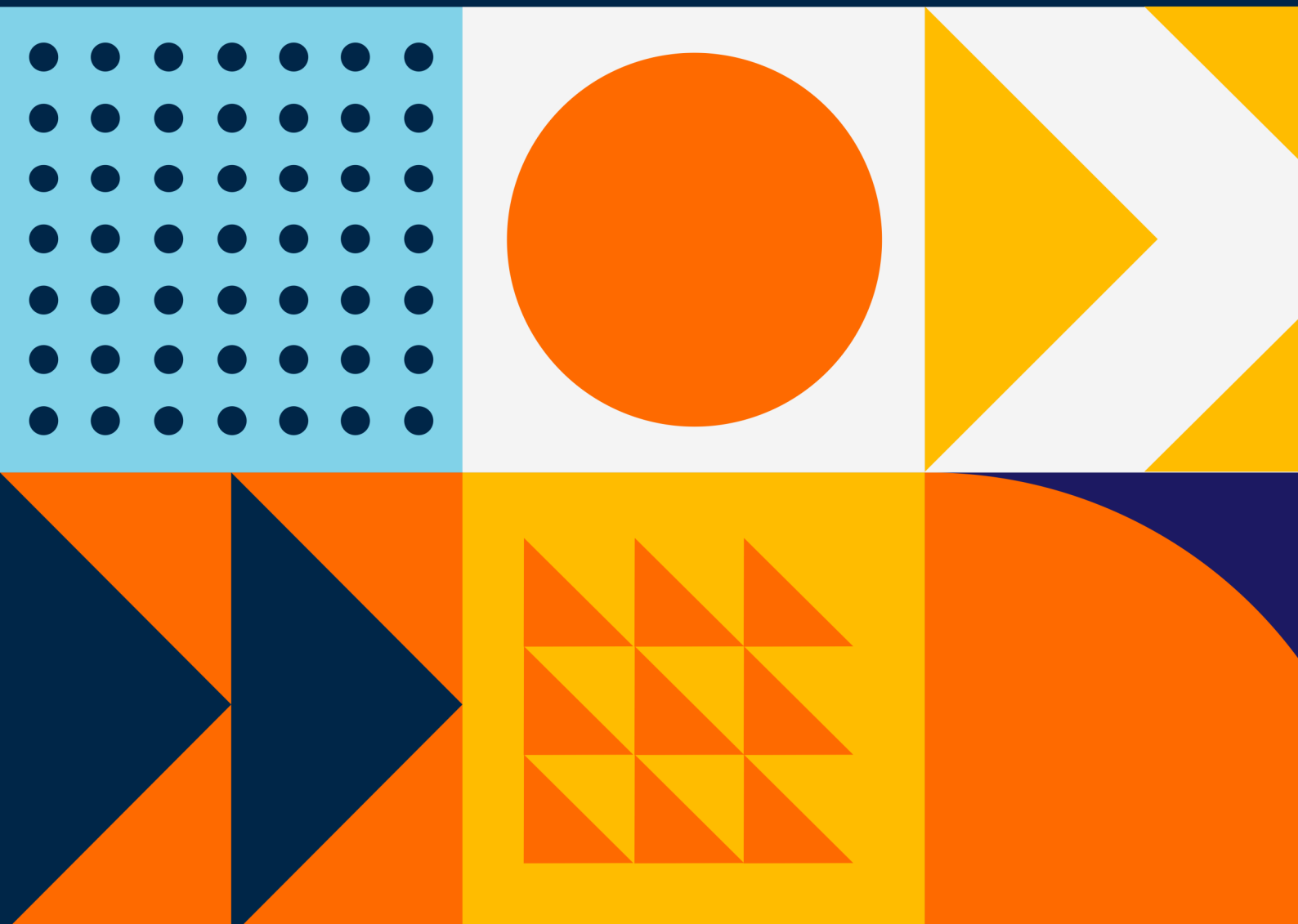# We do IT
to inspire.

Cloud Computing:

Microsoft Azure Administrator

who we are.

Averest is one of the leading and fast-growing companies specialising in Information Technologies, Cyber Security, Cloud Computing, DevOps, Artificial Intelligence, Agile and Scrum, and Project Management, which is based in the United Kingdom and Turkey. Averest provides high-quality tech-accredited training and business solutions to its clients on these topics and more.

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Microsoft Azure Administrator

Overview

Averest's Azure Administrator training provides you with a deep understanding of the entire administrative lifecycle in Azure environments. Microsoft Azure Administrator Training shows you how to maintain computing, storage, network, and security services. Enhance your Azure Administrator skills and prepare to ace the AZ-104 Azure Administrator exam.

What You Will Learn?

- Secure and manage identities with Azure Active Directory.
- Implement and manage users and groups.
- Implement and manage Azure subscriptions and accounts.
- Implement Azure Policy, including custom policies.
- Use RBAC to assign permissions.
- Leverage Azure Resource Manager to organise resources.
- Use the Azure Portal and Cloud Shell.
- Use Azure PowerShell and CLI.
- Use ARM Templates to deploy resources.
- Implement virtual networks and subnets.
- Configure public and private IP addresses.
- Configure network security groups.
- Configure Azure Firewall.
- Configure private and public DNS zones
- Configure VNet Peering.

Course Key Features

- Exam voucher included
- Practice labs and projects with Azure labs
- Access to official Microsoft content aligned to the AZ-104 exam
- Flexibility to choose classes
- 24*7 support

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Microsoft Azure Administrator

- Configure VPN gateways.

- Choose the appropriate intersite connectivity solution.

- Configure network routing, including custom routes and service endpoints.

- Configure an Azure Load Balancer.

- Configure and Azure Application Gateway.

- Choose the appropriate network traffic solution.

- Create Azure storage accounts.

- Configure blob containers.

- Secure Azure storage.

- Configure Azure file shares and file sync.

- Manage storage with tools such as Storage Explorer

- Plan for virtual machine implementations.

- Create virtual machines.

- Configure virtual machine availability, including scale sets.

- Use virtual machine extensions.

- Create an app service plan.

- Create a web app.

- Implement Azure Container Instances.

- Implement Azure Kubernetes Service.

- Backup and restore files and folders.

- Backup and restore virtual machines.

Microsoft Azure Administrator

- Use Azure Monitor.

- Create Azure alerts.

- Query using Log Analytics.

- Use Network Watcher.

Eligibility

The Azure Administrator Training is for Azure Administrators. The Azure Administrator 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.

Microsoft Azure Administrator

Program Outline

Identity

- Azure Active Directory

- Users and Groups

- Lab: Manage Azure Active Directory Identities

Governance and Compliance

- Subscriptions and Accounts

- Azure Policy

- Role-based Access Control (RBAC)

- Lab : Manage Subscriptions and RBAC

- Lab : Manage Governance via Azure Policy

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

Virtual Networking

- Virtual Networks

- Network Security groups

- Azure Firewall

- Azure DNS

- Lab: Implement Virtual Networking

Intersite Connectivity

Network Traffic Management

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- VNet Peering
- VPN Gateway Connections
- ExpressRoute and Virtual WAN
- Lab: Implement Intersite Connectivity

- Network Routing and Endpoints
- Azure Load Balancer
- Azure Application Gateway
- Lab: Implement Traffic Management

Azure Storage

- Storage Accounts
- Blob Storage
- Storage Security
- Azure Files and File Sync
- Managing Storage
- Lab: Manage Azure storage

Azure Virtual Machines

- Virtual Machine Planning
- Creating Virtual Machines
- Virtual Machine Availability
- Virtual Machine Extensions
- Lab: Manage virtual machines

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

Data Protection

- File and Folder Backups
- Virtual Machine Backups
- Lab: Implement Data Protection

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Monitoring

- Azure Monitor

- Azure Alerts

- Log Analytics

- Network Watcher

- Lab: Implement Monitoring

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Program Schedule

AVEREST

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LONDON

71-75 Shelton Street Covent Garden

London, United Kingdom WC2H 9JQ

+44 20 3967 83 79

ISTANBUL

Merkez Mah. Abide-i Hürriyet Cad. Blackout A Blok Kat:1

No:64 Sisli, Istanbul, Turkey 34381

+90 534 551 20 88

info@averesttraining.com