



AZ-103 Microsoft Azure Administrator

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About Cognixia

Cognixia- A Digital Workforce Solutions Company is dedicated to delivering exceptional trainings and certifications in digital technologies. Founded in 2014, we provide interactive, customized training courses to individuals and organizations alike, and have served more than 100,000 professionals across 37 countries worldwide.

Our team of more than 4,500 industry experts facilitate more than 400 comprehensive digital technologies courses, along with state-of-the-art infrastructure, to deliver the best learning experience for everyone. Our comprehensive series of instructor-led online trainings, classroom trainings and on-demand self-paced online trainings cover a wide array of specialty areas, including all of the following:

- IoT
- Big Data
- Cloud Computing
- Cyber Security
- Machine Learning
- AI & Deep Learning
- Blockchain Technologies
- DevOps

Cognixia is ranked amongst the top five emerging technologies training companies by various prestigious bodies. We're also an MAPR Advantage Partner, Hortonworks Community Partner, RedHat Enterprise Partner, Microsoft Silver Learning Partner and an authorized training partner for Dell EMC, Pivotal, VMware and RSA technologies.



OUR AWARDS & AFFILIATIONS

 **Best Workplace Amongst Emerging Enterprises** Awarded By
Great Indian Workplace Awards – 2018
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 **Best Training Provider of the Year**
Awarded By
The Golden Globe Tiger Awards – 2018
Kuala Lumpur, Malaysia



World HRD Congress has awarded
for Excellence in Training (Asia) 



Cognixia is awarded as
Training Company of the Year, 2018



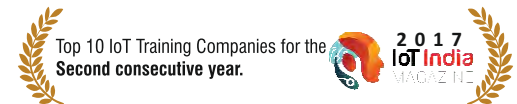
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Information Security Management System



Best Emerging Technology Training Organization
at the Middle East Training &
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What is Microsoft Azure?

Microsoft Azure is a cloud computing platform for building, deploying and managing services and applications from anywhere, and at any time. With Azure, one could add cloud computing capabilities to their existing network through PaaS (Platform-as-a-Service) or IaaS (Infrastructure-as-a-Service) model to explore the IaaS architecture of Microsoft Azure, thereby optimizing the Windows server workloads and implements enterprise applications architecture on the Azure platform.

The new certification track

Beginning 1 May 2019, Microsoft has retired the two examinations for the Azure Administrator certification track -

1. AZ-100: Microsoft Azure Infrastructure and Deployment, and
2. AZ-101: Microsoft Azure Integration and Security

These have now been replaced by the AZ-103: Microsoft Azure Administrator.

When an individual clears this exam, they get an Achievement Badge, validating their skills as a Microsoft Azure Administrator.

The AZ-103 Microsoft Azure Administrator Associate certification

The new AZ-103 Microsoft Azure Administration Associate certification will validate the participant's skills as an Azure administrator. A Microsoft Azure Administrator can manage cloud services that span storage, security, networking, and compute cloud capabilities along with deep understanding of each service across the full IT lifecycle with the cloud.

This new certification track has eliminated modules that are out of scope for most Azure professionals and has included all the relevant skills that they would need to be successful.



Who should take this course?

As on-premise data centers are becoming obsolete, cloud with its affordability and availability, is attracting more and more users. Microsoft Azure is one of the most popular cloud service providers in the market, with over two-thirds of the world's Fortune 500 companies moving their workloads to Microsoft Azure.

The course is highly recommended for individuals keen to leverage the cloud platform for enterprise success. Anyone who desires to manage Microsoft Azure will find the course immensely helpful in preparing for the Microsoft Azure Administrator certification.

Prerequisites

The prerequisites to take up this course are -

- An understanding of on-premises virtualization technologies, including virtual machines, virtual networking, and virtual hard disks
- Knowledge of network configuration, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies
- Familiarity with Active Directory concepts, including domains, forests, domain controllers, replication, Kerberos protocol, and Lightweight Directory Access Protocol (LDAP)
- A basic understanding of resilience and disaster recovery, including backup and restore operations

Latest trends in Microsoft Azure

"MS Azure is used by over 57% of Fortune 500 companies." (Microsoft)

"It is estimated that by 2020, Microsoft Azure will have a 21% market share." (Tech Republic)

"Over 1,000 new customers sign up to Azure on a daily basis. That's 365,000 new companies adopting MS Azure every year!" (Microsoft)

Program Structure and Platforms

- 32 hours of live online training taught by industry veteran instructor
- 24/7 PoC support
- Multiple assignments to ensure thorough understanding
- On-demand customizable course deliverables

DETAILED CURRICULUM : MODULES

Module 1: Azure Administration

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

Module 2: Azure Virtual Machines

- Virtual Machine planning
- Creating Virtual Machines
- Virtual Machine availability
- Virtual Machine extensions
- Lab: Deploy and Manage Virtual Machines Lab - Virtual Machines and Scale Sets

Module 3: Azure storage

- Storage accounts
- Azure blobs
- Azure files
- Storage security
- Lab: Implement and manage storage

Module 4: Virtual networking

- Virtual networks
- IP addressing and endpoints
- Azure DNS
- Network security groups
- Lab: Configure Azure DNS

Module 5: Inter-site connectivity

- VNet peering
- VNet-to-VNet connections
- ExpressRoute connections
- Lab: VNet peering and service chaining

Module 6: Monitoring

- Azure monitor
- Azure alerts
- Log analytics
- Network watcher
- Lab: Network watcher

Module 7: Data protection

- Data replication
- File and folder backups
- Virtual Machine backups
- Lab: Azure Site Recovery between regions

Module 8: Network traffic management

- Network routing
- Azure load balancer
- Azure traffic manager
- Lab: Load balancer and Traffic manager

DETAILED CURRICULUM : MODULES

Module 9: Azure active directory

- Azure active directory
- Azure AD Connect
- Azure AD Join
- Lab: Implement Directory Synchronization

Module 10: Securing identities

- Multi-Factor authentication
- Azure AD Identity Protection
- Self-service Password Reset
- Lab: Azure AD Identity Protection Lab - Self-service password reset

Module 11: Governance and compliance

- Subscriptions and accounts
- Role-based Access Control (RBAC)
- Users and groups
- Azure policy
- Lab: Role-based Access Control Lab - Governance and Compliance

Module 12: Data services

- Content delivery network
- File sync
- Import and export service
- Data box
- Lab: File sync

Cognixia USPs



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