



Microsoft Azure Training (AZ-100)

About Cognixia

Cognixia, formerly known as Collabera TACT, is a Collabera Learning Solutions Company.

Being a consistently awarded Digital Technology Training Company, we bring you the best quality technology courses and certifications. With our in-house incubators on Digital technologies like IoT, Cyber Security, Machine Learning, AI & Deep Learning, Blockchain, Cloud, DevOps & other domains, Cognixia can help in transforming your workforce and partner with you in your Digital transformation strategy.

Since 2014, we have trained and up-skilled over 100,000 people across 37 countries. With 1300+ experienced trainers, 250+ courses, state-of-the-art infrastructure, we bring you the best learning experience.

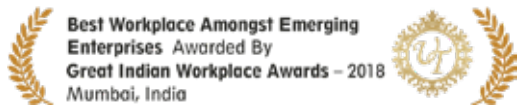
Cognixia provides multiple learning models – Public batches as well as custom built private batches for individuals as well as corporates. Our training delivery models are Instructor led online trainings, Classroom trainings and On-demand self-paced digital trainings.

Cognixia has been recognized as the Best training provider in Digital technologies like Big Data, IoT, Cloud Computing and DevOps. We are ranked amongst Top 5 emerging technologies training companies, and have been awarded as the Best Training Company by various prestigious bodies.

Cognixia is a MAPR Advantage Partner, Hortonworks Community Partner, RedHat Enterprise Partner, Microsoft Silver Learning Partner and an Authorised Training Partner with DELL EMC, Pivotal, VMware, RSA Technologies and Automation Anywhere.



OUR AWARDS & AFFILIATIONS



AUTHORIZED TRAINING PARTNERS FOR



Silver
Microsoft
Partner



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, you can also add cloud computing capabilities to your existing network through PaaS (Platform-as-a-Service) or IaaS (Infrastructure-as-a-Service) model to explore the IaaS architecture of Microsoft Azure. This optimizes the Windows server workloads and implements enterprise applications architecture on the Azure platform.

Microsoft Azure mitigates the concerns of adopting and migrating to the cloud seamlessly for enterprises. With the constant surge in this adoption and migration to the cloud, the demand for professional cloud expertise is on a steep rise. High salaries and bright future prospects are driving IT professionals and students to learn and get trained in cloud technologies like Microsoft Azure. And to make this learning process agile and productive, certified training is one of the best alternatives.

THE NEW CERTIFICATION TRACK

Microsoft will be retiring the old certification tracks from 31 Dec 2018.

The tracks that will be retiring are –

- a. 70-532: Developing Microsoft Azure solutions
- b. 70-533: Implementing Microsoft Azure Infrastructure solutions
- c. 70-535: Architecting Microsoft Azure solutions

The new certification track for Microsoft Azure includes certifications for three roles –

1. Azure administrator
2. Azure developer, and
3. Azure solutions architect

These roles have been identified with a job task analysis to cover all the skills required to be successful in the particular job role. In the Azure administrator domain, there are two examinations that need to be cleared –

- a. AZ-100: Microsoft Azure Infrastructure and Deployment
- b. AZ-101: Microsoft Azure Integration and Security

These two examinations are the replacement for the Azure Administrator Association certificate (70-533).

When an individual clears one of these exams, they get an Achievement Badge. Once an individual clears both these exams, they will be a Microsoft certified Azure Administrator Associate.

THE AZ-100 MICROSOFT AZURE INFRASTRUCTURE AND DEPLOYMENT CERTIFICATION

The all new Microsoft Azure AZ-100 Infrastructure and Deployment certification validates an individual's expertise as an Azure administrator, focussing on their abilities to manage the cloud services including storage, security, networking and compute capabilities within the Microsoft Azure cloud.

This new certification track has eliminated modules that are out of scope for most Azure professionals and including every relevant skill that they would need to be successful.

WHO SHOULD STUDY MICROSOFT AZURE?

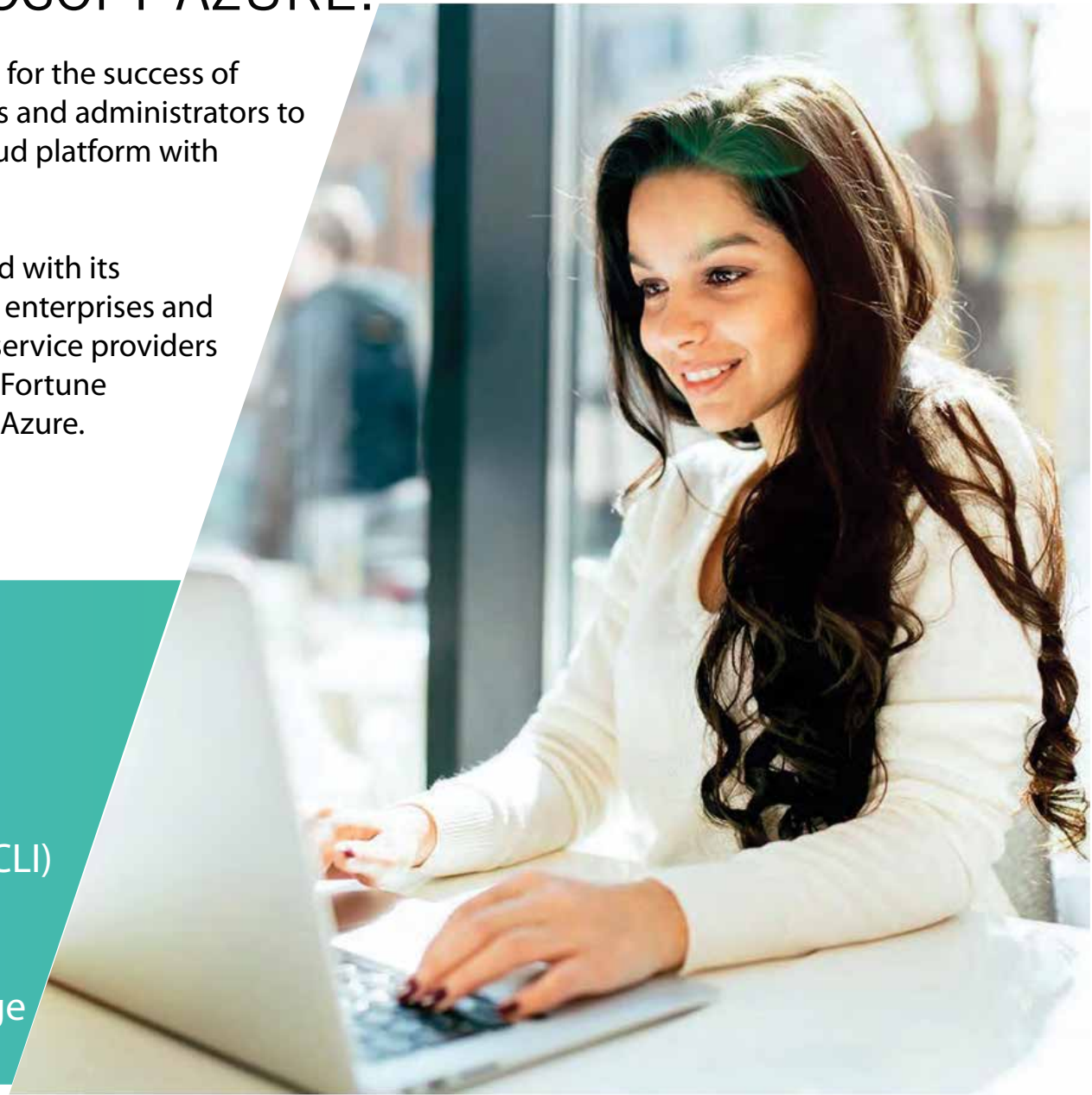
Anyone who is interested to leverage the cloud platform for the success of enterprises must study Microsoft Azure. From developers and administrators to architects, from managers to network engineers, the cloud platform with Microsoft Azure has something for everyone.

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

ELIGIBILITY/ PRE-REQUISITES

In order to take up this course, the prerequisites are-

- Deep understanding of each service across the full IT lifecycle
- Proficiency in PowerShell
- Proficiency in Command-Line Interface (CLI)
- Familiarity with Azure portal, ARM templates, Operating systems, virtualization, cloud infrastructure, storage structures and networking



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 21% of the market share.”
- Techrepublic

“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



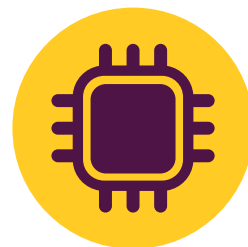
40 hours of live online training taught by industry veteran instructor



24/7 PoC support



Multiple assignments to ensure thorough understanding



On-demand customizable course deliverables



DETAILED CURRICULUM : MODULES

Duration: 40 hours

Topic A: Manage Subscriptions and Resources [AZ-100T01-A]

Module 1: Managing Azure Subscriptions

- Overview of Azure Subscriptions
- Billing
- Azure Policy

Module 2: Access Management for Cloud Resources

- Azure Users and Groups
- Role-based Access Control

Module 3: Monitoring and Diagnostics

- Exploring Monitoring Capabilities in Azure
- Azure Alerts
- Azure Activity Log

Module 4: Log Analytics

- Introduction to Log Analytics
- Querying and Analyzing Log Analytics Data

Module 5: Azure Resource Manager

- ARM templates
- Resource Groups

Topic B: Implementing and Managing Storage [AZ-100T02-A]

Module 1: Overview of Azure Storage

- Azure storage accounts
- Data replication
- Azure Storage Explorer

Module 2: Storage Services

- Virtual machine storage
- Blob storage
- Azure files
- Structured storage

Module 3: Securing and Managing Storage

- Shared access keys
- Azure backup
- Azure File Sync

Module 4: Storing and Accessing Data

- Azure Content Delivery Network
- Import and Export service

Module 5: Monitoring Storage

- Metrics and Alerts
- Activity Log

DETAILED CURRICULUM : MODULES

Topic C: Deploying and Managing Virtual Machines [AZ-100T03-A]

Module 1: Overview of Azure Machines

- Azure Virtual Machines Overview
- Planning Considerations

Module 2: Creating Virtual Machines

- Overview of the Virtual Machine Creation Overview
- Creating Virtual Machines in the Azure Portal
- Creating Virtual Machines (PowerShell)
- Creating Virtual Machines using ARM Templates

Module 3: Deploying Virtual Machine Images

- Deploying Custom Images
- Deploying Linux Virtual Machines

Module 4: Configuring Virtual Machines

- Overview of Virtual Machine Configuration
- Virtual Machine Networking
- Virtual Machine Storage

Module 5: Configuring Availability and Extensibility

- Virtual Machine Availability
- Virtual Machine Scalability
- Applying Virtual Machine Extensions

Module 6: Managing and Monitoring Virtual Machines

- Backup and Restore
- Monitoring Virtual Machines

Topic D: Configuring and Managing Virtual Networks [AZ-100T04-A]

Module 1: Azure Virtual Networks

- Introducing Virtual Networks
- Creating Azure Virtual Networks
- Review of IP Addressing
- Network Routing

Module 2: Azure DNS

- Azure DNS Basics
- Implementing Azure DNS

Module 3: Securing Virtual Network Resources

- Introduction to Network Security Groups
- Implementing Network Security Groups and Service Endpoints

Module 4: Connecting Virtual Networks

- Intersite Connectivity (VNet-to-VNet Connections)
- Virtual Network Peering

DETAILED CURRICULUM : MODULES

Topic E: Manage Identities [AZ-100T05-A]

Module 1: Managing Azure Active Directory

- Azure Active Directory Overview
- Self-Service Password Reset
- Azure AD Identity Protection
- Integrating SaaS Applications with Azure AD

Module 2: Managing Azure Active Directory Objects

- Azure Domains and Tenants
- Azure Users and Groups
- Azure Roles
- Managing Devices

Module 3: Implementing and Managing Hybrid Identities

- Azure Active Directory Integration Options
- Azure AD Application Proxy

COGNIXIA'S KEY DIFFERENTIATORS



LIFETIME LMS ACCESS



24 x 7 SUPPORT



REAL-LIFE PROJECTS & CASE STUDIES



INDUSTRY EXPERTS AS TRAINERS



REAL-TIME CLOCK MODULE



POTENTIAL CAREER OPTIONS

MICROSOFT AZURE INFRASTRUCTURE ENGINEER

MICROSOFT AZURE DATA PLATFORM ARCHITECT

MICROSOFT AZURE SOLUTIONS ARCHITECT

MICROSOFT AZURE ARCHITECT

SENIOR CLOUD ENGINEER



TESTIMONIALS



AMANDA JOSE, USA

Cognixia's course on Microsoft Azure AZ-100 covers all the right topics I needed to successfully design and implement of Azure app service. It helped me design and implement the storage strategy, design and deploy ARM templates manage Azure security and recovery services, operations and identities. I found the course very helpful.



JACOB SEBASTIAN, USA

Our team of software engineers enrolled for this course with Cognixia. The support we received from the Cognixia team has been incredible. The course covered everything we needed to know to operate on a daily basis on the work front. The sessions were interactive; the course included practical examples and so much more. It was a great learning experience.



ANTONIO SCHECK, Germany

Cognixia's AZ-100 course has been immensely helpful for me in my career. I learnt how to leverage cloud services for my organization's benefit, implementing Azure files blobs, databases and so much more. Thank you Cognixia!



RAVI ARORA, India

My organization had been planning to move to cloud computing for long. Once the plans began being implemented, I realized that a certification in cloud would help me move ahead in my career and be of immense value to my organization. I enrolled for Cognixia's training program on Microsoft Azure. I have not only learnt a great deal from the course, but now I manage a whole team that works on Microsoft Azure deployment and operations.

Microsoft Azure Training (AZ-100)



To learn more visit
<https://www.cognixia.com/>