Microsoft Azure

Always Available, Effortlessly Accessible,
and Endlessly Reliable

AZ – 104

Microsoft Azure Administrator

Overview

The AZ-104: Microsoft Azure Administrator course is designed to provide IT professionals with the essential knowledge and skills needed to manage and monitor an organization's Microsoft Azure environment. This course is ideal for individuals who perform a wide range of day-to-day operational tasks on Azure, including implementing, managing, and monitoring identity, governance, storage, compute, and virtual networks.

Course Objectives

By the end of this course, participants will be able to:

- Manage Azure identities and governance.
- Implement and manage storage in Azure.
- Deploy and manage Azure compute resources.
- Configure and manage virtual networking.
- Monitor and back up Azure resources.

Prerequisites

- Successful Azure Administrators start this role with experience on operating systems, virtualization, cloud infrastructure, storage structures, and networking.

Audience Profile

This course is for Azure Administrators. The Azure Administrator implements, 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. Successful Azure Administrators start this role with experience in virtualization, networking, identity, and storage.

- Understanding of on-premises virtualization technologies, including: VMs, virtual networking, and virtual hard disks.

- Understanding of network configurations, including TCP/IP, Domain Name System (DNS), virtual private networks (VPNs), firewalls, and encryption technologies.

- Understanding of Active Directory concepts, including users, groups, and role-based access control.

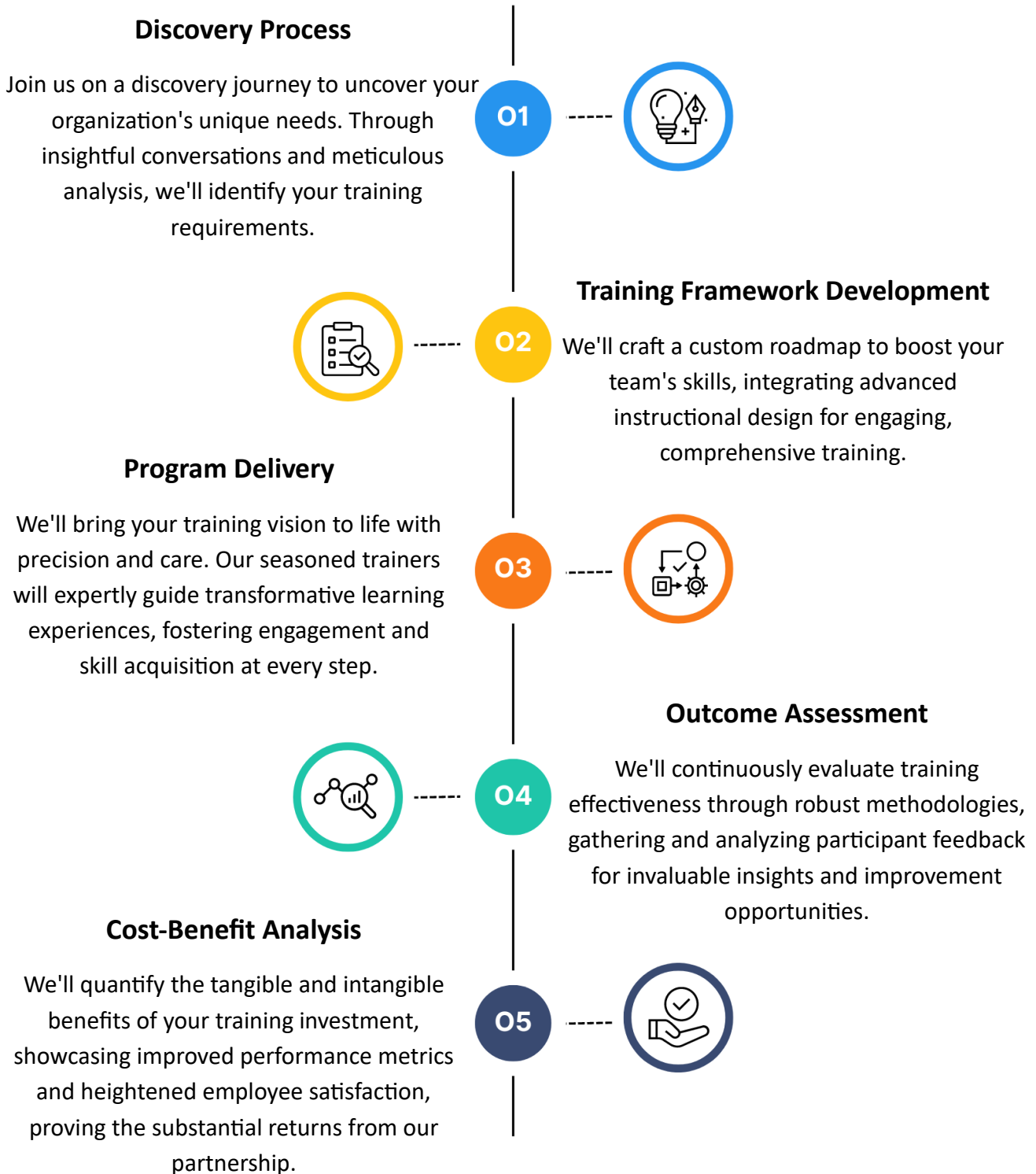- Understanding of resilience and disaster recovery, including backup and restore operations.

Course Level

- Intermediate

Course Duration

- 4 Days – 32 Hours

Creating Tailor - Made Training Programs to Meet Your **Specific Goals**

Discovery Process

Join us on a discovery journey to uncover your organization's unique needs. Through insightful conversations and meticulous analysis, we'll identify your training requirements.

O1

Training Framework Development

O2

We'll craft a custom roadmap to boost your team's skills, integrating advanced instructional design for engaging, comprehensive training.

Program Delivery

We'll bring your training vision to life with precision and care. Our seasoned trainers will expertly guide transformative learning experiences, fostering engagement and skill acquisition at every step.

O3

Outcome Assessment

O4

We'll continuously evaluate training effectiveness through robust methodologies, gathering and analyzing participant feedback for invaluable insights and improvement opportunities.

Cost-Benefit Analysis

We'll quantify the tangible and intangible benefits of your training investment, showcasing improved performance metrics and heightened employee satisfaction, proving the substantial returns from our partnership.

O5

Course Outline

This course teaches IT Professionals how to manage their Azure subscriptions, secure identities, administer the infrastructure, configure virtual networking, connect Azure and on-premises sites, manage network traffic, implement storage solutions, create and scale virtual machines, implement web apps and containers, back up and share data, and monitor your solution.

Module 1: Administer Identity
- Lesson: Configure Microsoft Entra ID
- Lesson: Configure User and Group Accounts
- **Lab 01 -** Manage Microsoft Entra ID Identities
- **Lab 01 -** Architecture diagram

Module 2: Administer Governance and Compliance
- Lesson: Configure Subscriptions
- Lesson: Configure Azure Policy
- Lesson: Configure Role-Based Access Control
- **Lab 02a -** Manage Subscriptions and RBAC
- **Lab 02b -** Manage Governance via Azure Policy
- **Lab 03a -** Manage Azure resources with the Azure portal

Module 3: Administer Azure Resources
- Lesson: Configure Azure Resources with Tools
- Lesson: Configure Resources with ARM Templates
- **Lab 03b -** Manage Azure resources by Using ARM Templates
- **Lab 03c -** Manage Azure resources by Using Azure PowerShell (optional)
- **Lab 03d -** Manage Azure resources by Using Azure CLI (optional)

Module 4: Administer Virtual Networking
- Lesson: Configure Virtual Networks
- Lesson: Configure Network Security Groups
- Lesson: Configure Azure DNS
- **Lab 04 -** Implement Virtual Networks

Module 5: Administer Intersite Connectivity
- Lesson: Configure VNet Peering
- Lesson: Configure Network Routing and Endpoints
- **Lab 05 -** Implement Intersite Connectivity

Module 6: Administer Network Traffic
- Lesson: Configure Azure Load Balancer
- Lesson: Configure Application Gateway
- Lesson: Configure Network Watcher
- **Lab 06 -** Implement Traffic Management

Module 7: Administer Azure Storage
- Lesson: Configure Storage Accounts
- Lesson: Configure Blob Storage
- Lesson: Configure Storage Security
- Lesson: Configure Azure Files
- **Lab 07 -** Manage Azure Storage

Module 8: Administer Azure Virtual Machines
- Lesson: Configure Virtual Machines
- Lesson: Configure Virtual Machine Availability
- **Lab 08 -** Manage Virtual Machines

Module 9: Administer PaaS Compute Options
- Lesson: Configure Azure App Service Plans
- Lesson: Configure Azure App Services
- Lesson: Configure Azure Container Instances
- **Lab 09a -** Implement Web Apps
- **Lab 09b -** Implement Azure Container Instances
- **Lab 09c -** Implement Azure Container Apps

Module 10: Administer Data Protection
- Lesson: Configure File and Folder Backups
- Lesson: Configure Virtual Machine Backups
- **Lab 10 -** Implement Data Protection

Module 11: Administer Monitoring
- Lesson: Configure Azure Monitor
- Lesson: Configure Azure Alerts
- Lesson: Configure Log Analytics
- **Lab 11 -** Implement Monitoring

Indus Tech Services

Who We Are....

Indus Tech Services is an IT company that specializes in providing comprehensive training, consulting & implementation services for software solutions designed to address the diverse business challenges faced by organizations today. With a passion for technology and a deep understanding of business processes, Indus Tech is committed to empowering businesses to optimize their operations, boost productivity, and drive sustainable growth.

Indus Tech Services and Microsoft Partnership

As a proud **Microsoft Partner**, **Indus Tech Services** is uniquely equipped to deliver top-tier training and certification programs designed to meet the evolving needs of today's workforce. Our partnership with Microsoft allows us to offer direct access to the latest tools, resources, and industry insights, ensuring that our courses are aligned with the most current technology trends. This collaboration enables us to provide unparalleled support to our students, helping them gain the skills and knowledge required to excel in their careers. By choosing Indus Tech Services, you're not just learning; you're gaining a competitive edge with Microsoft-backed expertise and certification.

Why Choose Us...

From time to time, life serves up a profound nudge, urging us to step beyond our routines and make a difference in the world. Indus Tech Services emerged from one such compelling wake-up call. We are not just a company; we are a dedicated force with a belief in providing solutions to organizations, regardless of their size, and we infuse a human touch into everything we do.

Our Expertise

With over 25 years of collective experience navigating the intricacies of daily business transactions, irrespective of geographical, cultural, time zone, or language barriers, our team has honed their expertise to meet any challenge head-on. This wealth of experience has armed our resources with an unparalleled understanding and skill set to tackle a broad spectrum of obstacles.

Training

With two decades of unwavering commitment and a global footprint, our company is a true pioneer in the fields of linguistic, transactional, technical, and behavioural training for some of the world's largest corporate entities. Our unparalleled expertise has been refined through years of dedication and innovation, making us the go-to choice for businesses seeking transformative training solutions.

Consulting

Our company has been at the forefront of providing world-class IT consulting services to organizations spanning the globe. With an extensive and proven track record, we have honed our expertise to meet the ever-evolving technological needs and challenges faced by businesses, regardless of their scale or industry.

Implementation

Our experience covers a broad spectrum of IT implementation services, including system integration, software deployment, network architecture, cloud migration, and infrastructure setup. We understand that the successful execution of IT projects is pivotal to an organization's growth and efficiency. Therefore, we bring a depth of knowledge and a commitment to delivering results that set us apart.

To know more contact us at info@industechservices.com or call us at +91 - 99961 61170.