



Future-Oriented Training and Consulting

EXECUTIVE DEVELOPMENT PROGRAM

Microsoft Azure Administrator & Architect Certification

Building the technical expertise to administer and architect solutions on Microsoft Azure.

Proven Architecture Frameworks Structured frameworks aligned to Azure Well-Architected principles.	Executive Case Studies Real-world examples of Azure administration and architecture.
Hands-On Lab Exposure Direct exposure to Azure management and architecture tools.	Certification-Ready Skills Builds the practical skills needed to manage infrastructure and pursue certification.

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Program Overview

This program builds the technical expertise to administer and architect solutions on Microsoft Azure.

Through case studies, hands-on labs, simulations, and exposure to Azure management tools, participants will develop the practical skills needed to manage cloud infrastructure and pursue Azure certification.

Program Objectives

- **Understand Azure Fundamentals:** Grasp core Azure services, regions, and governance models.
- **Administer Azure Identities and Access:** Manage users, roles, and access across subscriptions.
- **Manage Azure Compute and Storage:** Deploy and manage virtual machines, storage, and containers.
- **Design Virtual Networks:** Configure networking, connectivity, and traffic management.
- **Architect Scalable Azure Solutions:** Design resilient, well-architected cloud solutions.
- **Prepare for Azure Certification:** Build the knowledge needed to sit for Azure exams.

Target Audience

This program is designed for professionals building practical Azure administration and architecture skills, including:

- **Azure Administrators** managing day-to-day Azure operations.
- **Solutions Architects** designing scalable Azure architectures.
- **IT & Infrastructure Managers** overseeing cloud migration and operations.
- **DevOps & Platform Engineers** automating and operating Azure infrastructure.
- **Security & Compliance Professionals** securing Azure environments and identities.
- **Career Changers into Cloud** earning a recognized Azure certification.
- **Entrepreneurs & Technical Founders** building products on Azure infrastructure.

Program Impact

Participants will complete this program with practical Azure skills and certification readiness. Graduates will return to their organizations ready to manage and architect scalable, secure cloud solutions on Azure.

Program Outline

MODULE 1: Foundations of Microsoft Azure

- Core Azure concepts, regions, and global infrastructure
- The Azure shared responsibility model
- Overview of Azure certification paths
- Navigating the Azure Portal and CLI
- Common pitfalls for Azure beginners

MODULE 2: Identity and Access Management

- Azure Active Directory users, groups, and roles
- Role-based access control (RBAC)
- Managing subscriptions and management groups
- Multi-factor authentication and conditional access
- Hands-on exposure to Azure identity tools

MODULE 3: Compute and Storage Services

- Virtual machines, sizing, and scale sets
- Azure Storage accounts and data redundancy
- Containers and Azure Kubernetes Service
- Choosing the right compute and storage mix

MODULE 4: Networking and Connectivity

- Virtual networks, subnets, and peering
- Load balancers and traffic management
- VPN and ExpressRoute connectivity
- Hands-on exposure to Azure networking tools
- Designing for high availability

MODULE 5: Databases and Application Services

- Azure SQL and Cosmos DB fundamentals
- App Service and serverless compute
- Backup, recovery, and data protection
- Migrating workloads to Azure

MODULE 6: Monitoring and Governance

- Azure Monitor, alerts, and Log Analytics
- Azure Policy and resource governance
- Cost management and budget controls
- Tagging and organizing resources
- Hands-on exposure to Azure monitoring tools

MODULE 7: Security and Compliance

- Azure Security Center and Defender for Cloud
- Encryption, key vaults, and data protection
- Compliance frameworks and regulatory requirements
- Auditing and reporting on security posture

MODULE 8: Solution Architecture and Design

- Designing well-architected, resilient solutions
- Applying design patterns for scalability
- Disaster recovery and business continuity design

MODULE 9: Certification Readiness and Career Path

- Reviewing exam domains and practice questions
- Building a study plan for AZ certification exams
- Communicating architecture decisions to stakeholders
- Building a culture of operational excellence

MODULE 10: Sustaining Skills and Future Readiness

- Embedding Azure best practices into daily operations
- Anticipating emerging Azure services and features
- Sustaining momentum beyond the program