

Microsoft Azure Administrator Associate Training Course

Microsoft Azure Administrator Associate is a certification that demonstrates expertise in managing and monitoring Azure environments, covering core services like storage, networking, and security.

 CLO-201

Course Outcomes

Professional, practical, & hands-on live instructor-led training

Further your skills and graduate as a certified professional, with the skills, experience, and job-search know how to get your career started.

 **Start Today**

Potential Career Tracks

Azure Administrator

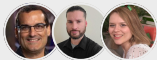
Cloud Solutions Architect

Systems Administrator

Network Administrator

Cloud Support Engineer

IT Operations Manager



Taught by Industry Veterans &
World Class Instructors

Introduction to Microsoft Azure Administrator Associate

Course Overview

Intellectual Point's Microsoft Azure Administrator Associate Training Course offers a comprehensive curriculum designed to equip you with the knowledge and practical skills necessary to manage and operate Azure environments effectively. This course prepares you for the Microsoft Certified: Azure Administrator Associate certification, focusing on core Azure services, architecting solutions, and maintaining infrastructure. Through a combination of lectures, hands-on labs, and real-world scenarios, you'll learn to optimize Azure solutions to meet business needs.

Throughout the training, you will explore Azure identity and governance, deploying resources, managing storage, configuring and managing virtual networks, and much more. Practical labs will allow you to apply concepts such as monitoring and backing up Azure resources, and managing security protocols. By the end of the course, you will be confident in utilizing Azure services efficiently and will be thoroughly prepared to pass the certification exam.

Obtainable Skills

Azure Identity and Governance Management

Virtual Network Configuration and Management

Deploying and Managing Azure Resources

Implementing Security and Monitoring Solutions

Storage Solutions Design and Optimization

Backup and Recovery Operations

Load Balancing and Traffic Routing

Managing Azure Resource Policies

Course Insights

Audience Profile

This Microsoft Azure Administrator Associate course is perfectly tailored for IT professionals with a fundamental understanding of cloud concepts who are looking to expand their proficiency with Microsoft Azure. It caters to system administrators, network engineers, and cloud enthusiasts eager to advance their skills in managing and supporting cloud solutions. The course is also ideal for individuals seeking to certify their cloud management and Azure expertise, thereby boosting their career opportunities in cloud computing and IT operations.

Course Outcomes

By the end of this course, participants will:

- 1 Develop proficiency in managing Azure subscriptions and implementing governance strategies.
- 2 Effectively deploy and configure various resource types in the Azure environment.
- 3 Configure and manage virtual networks for optimal performance and security.
- 4 Monitor, back up, and recover Azure resources, ensuring business continuity.
- 5 Acquire the skills and knowledge needed to successfully achieve and pass the certification exam.

Module by Module Learning *Outline*

 6 Modules

Module 1: Managing Azure Identity and Governance

Learning Objectives:

- Understand and implement Azure Active Directory and identity management.
- Learn governance strategies to manage Azure subscriptions effectively.

Topics Covered

Azure Active Directory and Identity Management:

- Managing users, groups, and licenses in Azure AD.
- Configuring Azure MultiFactor Authentication (MFA) and Conditional Access.

Azure Governance Practices:

- Setting up Azure Policy and RoleBased Access Control (RBAC).
- Implementing and managing Azure Blueprints.

Module 2: Deploying and Managing Azure Resources

Learning Objectives:

- Master the deployment and management of Azure resources efficiently.
- Learn techniques for cost management and reporting in Azure.

Topics Covered

Azure Resource Management:

- Creating and managing resource groups and templates.
- Automating deployment using Azure Resource Manager (ARM) templates.

Cost Management and Optimization:

- Setting up Azure Cost Management and billing alerts.
- Analyzing and optimizing resource expenditures.

Module 3: Designing and Implementing Storage Solutions

Learning Objectives:

- Learn to design, implement, and manage Azure storage solutions.
- Gain skills for optimizing storage performance and security

Topics Covered

Azure Storage Accounts and Services:

- Understanding Blob, File, Queue, and Table storage options.
- Configuring redundancy and access tiers for storage accounts.

Securing and Monitoring Storage:

- Implementing encryption and network security for Azure Storage.
- Monitoring and troubleshooting storage performance issues.

Module 4: Configuring and Managing Virtual Networks

Learning Objectives:

- Understand the configuration and management of Azure virtual networks.
- Implement secure and optimized network connectivity solutions.

Topics Covered

Azure Virtual Networking Basics:

- Creating and configuring virtual networks, subnets, and IP addressing.
- Implementing Network Security Groups (NSG) and Azure Firewall.

Advanced Network Connectivity Options:

- Configuring sitetosite VPNs and ExpressRoute.
- Managing traffic using Azure Load Balancer and Application Gateway.

Module 5: Implementing Security and Monitoring Solutions

Learning Objectives:

- Gain the ability to implement Azure security controls and monitoring strategies.
- Learn how to maintain operational insights and security compliance.

Topics Covered

Securing Azure Resources:

- Configuring Azure Security Center for enhanced security.
- Implementing Azure Key Vault for secrets management.

Monitoring and Reporting in Azure:

- Utilizing Azure Monitor and Azure Log Analytics.
- Setting up alerts and diagnostic settings for proactive management

Module 6: Certification Exam Preparation

Learning Objectives:

- Review and reinforce key concepts to prepare for the Azure Administrator Associate exam.
- Develop strategies for effectively tackling exam questions and scenarios.

Topics Covered

Exam Readiness and Tips:

- Reviewing core topics covered in the exam.
- Practicing with sample exam questions and test taking strategies

Hands On Practice Sessions:

- Completing labs and scenarios to solidify understanding.
- Identifying knowledge gaps and focusing on key areas for improvement.