

CLOUD

INTERMEDIATE

3 DAYS

Microsoft Azure Developer Associate

Build a strong foundation in Azure application development by mastering core services, tools, and architectures. Learn how to design secure, scalable, and high availability applications, optimize performance, and integrate existing systems effectively on the Azure platform.

Why Azure Developer?

Practical skills

Expertise in Azure Development: Azure Developer Associates possess in-depth knowledge and skills in utilising Azure services, allowing them to design, build, and deploy scalable and secure applications on Azure.

Enterprise outcomes

Seamless Integration and Migration: Azure Developer Associates possess the necessary skills to smoothly integrate on-premises infrastructure and applications with Azure and facilitate a smooth migration process.

Operational readiness

Efficient Cloud Solutions: Azure offers a wide range of services and tools to optimise and streamline your business operations.

What you'll be able to do

- ✓ Gain a solid foundation in Azure development concepts, services, and tools.
- ✓ Acquire in-depth knowledge of various Azure services.
- ✓ Learn techniques and best practices for designing and developing applications that can scale dynamically based on demand and maintain high availability.
- ✓ Understand the security features and practices in Azure and learn how to implement them effectively.
- ✓ Become proficient in using development tools and frameworks specific to Azure.
- ✓ Learn optimisation techniques to improve application performance, reduce latency, and optimise resource utilisation on Azure.
- ✓ Gain expertise in integrating existing applications and systems with Azure.

Who this is for

- Aspiring Azure Developers Software Developers
- IT Professionals and Architects System Administrator
- Cloud Enthusiasts and Technology Enthusiasts

Curriculum

01 Develop Azure compute solutions (25–30%)

- Implement containerised solutions
- Implement Azure App Service Web Apps
- Implement Azure Functions

02 Develop for Azure storage (15–20%)

- Develop solutions that use Azure Cosmos DB
- Develop solutions that use Azure Blob Storage
- Validate configuration and confirm expected outcomes in the lab environment

03 Implement Azure security (20–25%)

- Implement user authentication and authorisation
- Implement secure Azure solutions
- Validate configuration and confirm expected outcomes in the lab environment

04 Monitor, troubleshoot, and optimise Azure solutions (15–20%)

- Implement caching for solutions
- Troubleshoot solutions by using Application Insights
- Validate configuration and confirm expected outcomes in the lab environment

05 Connect to and consume Azure services and third-party services (15–20%)

- Implement API Management
- Develop event-based solutions
- Validate configuration and confirm expected outcomes in the lab environment