

## AZ-204T00-AC Developing solutions for Microsoft Azure

### COURSE OVERVIEW

This course teaches developers how to create end-to-end solutions in Microsoft Azure. Students will learn how to implement Azure compute solutions, create Azure Functions, implement and manage web apps, develop solutions utilizing Azure storage, implement authentication and authorization, and secure their solutions by using KeyVault and Managed Identities. Students will also learn how to connect to and consume Azure services and third-party services, and include event- and message-based models in their solutions. The course also covers monitoring, troubleshooting, and optimizing Azure solutions.

### WHO SHOULD ATTEND?

The course is designed for developers and IT professionals responsible for building, deploying, and maintaining cloud-based applications and services on Microsoft Azure. It is suitable for individuals with experience in Azure development, including designing and building scalable, resilient, and secure applications. This course is also ideal for those preparing for the Microsoft Certified: Azure Developer Associate certification exam.

### COURSE OUTCOMES

Delegates will gain the skills and knowledge to;

- Develop Azure compute solutions, including virtual machines, app services, and functions.
- Implement Azure storage solutions using Blob, Table, Queue, and Cosmos DB storage.
- Build secure and scalable cloud applications with authentication, authorization, and security best practices.
- Integrate Azure services and third-party services for seamless application functionality.
- Monitor, troubleshoot, and optimize Azure solutions for performance and reliability.
- Implement Azure APIs, messaging solutions, and event-based architectures.
- Deploy applications using Azure Kubernetes Service (AKS) and containerized solutions.
- Manage Azure resources with tools like Azure CLI, PowerShell, and ARM templates.
- Prepare for the Microsoft Certified: Azure Developer Associate certification exam.

### KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Designing and building cloud-native applications using Azure services.
- Developing Azure compute solutions such as Azure Functions and Web Apps.
- Integrating Azure storage solutions including Blob storage and Cosmos DB.
- Implementing secure cloud solutions with authentication, authorization, and secure cloud data handling.
- Monitoring, troubleshooting, and optimizing Azure solutions for performance and scalability.
- Connecting to and consuming Azure services and third-party services via APIs.
- Managing Azure resources using the Azure CLI, Azure PowerShell, and ARM templates.
- Preparing for the Microsoft Certified: Azure Developer Associate certification exam (Exam AZ-204).

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded