



Developing solutions for Microsoft Azure (AZ-204T00)

ID AZ-204T00 **Price** US\$ 600.—(excl. tax) **Duration** 5 days

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

Students in this course are interested in Azure development or in passing the Microsoft Azure Developer Associate certification exam.

This course is part of the following Certifications

Microsoft Certified: Azure Developer Associate (MCADA)

Prerequisites

To be successful in this course, learners should have the following:

- Hands-on experience with Azure IaaS and PaaS solutions, and the Azure Portal.
- Experience writing in an Azure supported language at the intermediate level. (C#, JavaScript, Python, or Java)
- Ability to write code to connect and perform operations on, a SQL or NoSQL database product. (SQL Server, Oracle, MongoDB, Cassandra or similar)
- Experience writing code to handle authentication, authorization, and other security principles at the intermediate level.
- A general understanding of HTML, the HTTP protocol and REST API interfaces.

If you are new to Azure and cloud computing consider one of the following resources:

- Free online: Azure Fundamentals
- [Microsoft Azure Fundamentals \(AZ-900T00\)](#)

Course Content

- Explore Azure App Service
- Configure web app settings
- Scale apps in Azure App Service
- Explore Azure App Service deployment slots
- Explore Azure Functions
- Develop Azure Functions
- Explore Azure Blob storage
- Manage the Azure Blob storage lifecycle
- Work with Azure Blob storage
- Explore Azure Cosmos DB
- Work with Azure Cosmos DB
- Manage container images in Azure Container Registry
- Run container images in Azure Container Instances
- Implement Azure Container Apps
- Explore the Microsoft identity platform
- Implement authentication by using the Microsoft Authentication Library
- Implement shared access signatures
- Explore Microsoft Graph
- Implement Azure Key Vault
- Implement managed identities
- Implement Azure App Configuration
- Explore API Management
- Explore Azure Event Grid
- Explore Azure Event Hubs
- Discover Azure message queues
- Monitor app performance
- Develop for Azure Cache for Redis
- Develop for storage on CDNs

About Fast Lane



Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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Training Methods

- ✓ Classroom Training
- ✓ Instructor-Led Online Training
- ✓ FLEX Classroom – Classroom & Online Hybrid
- ✓ Onsite & Customized Training
- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobile Learning

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