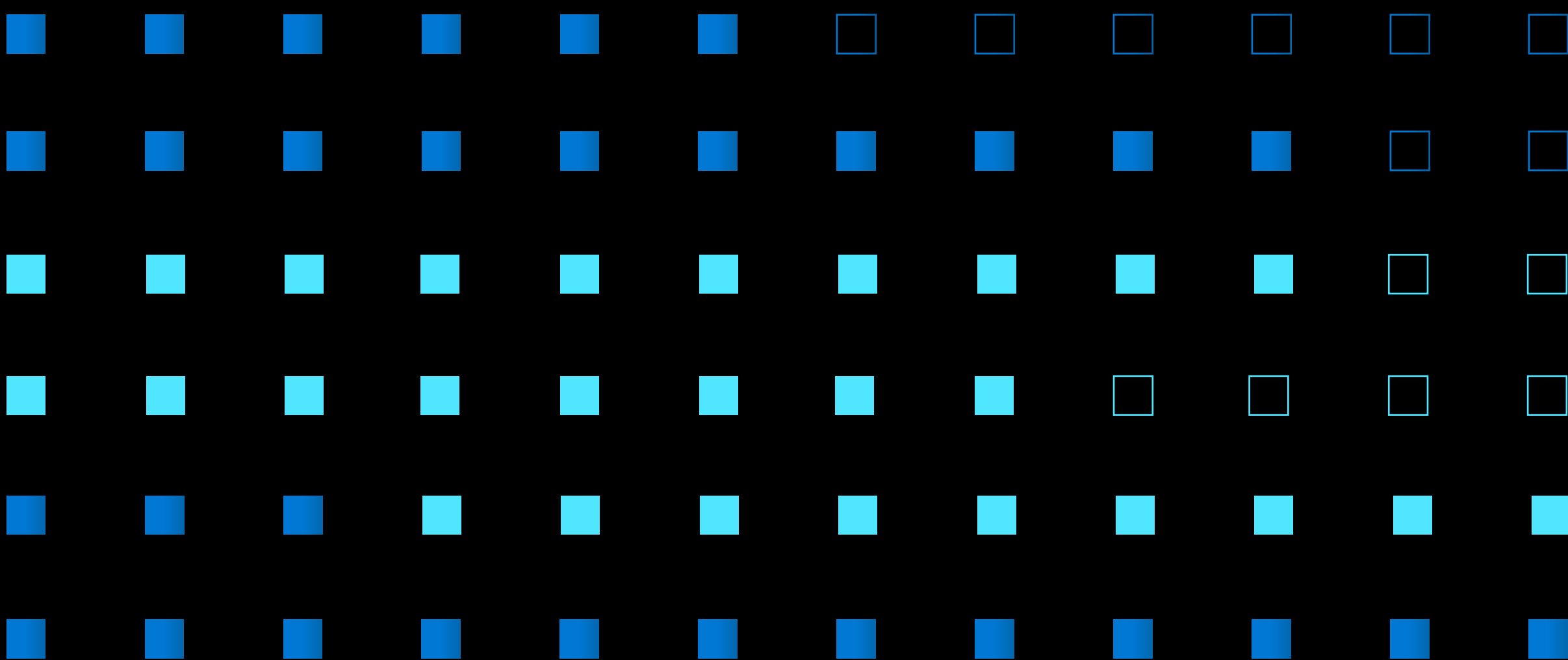# Learning path for Azure Developer

Microsoft Azure is the cloud for modern business. Expand your Azure development skills to meet future business needs with these resources.

aka.ms/AzureDeveloperLearning

In-depth courses

Select the Appropriate Azure Technology Development Solution
AZ-200T01-A

Develop for Azure Storage
AZ-200T02-A

Develop Azure Platform as a Service Solutions
AZ-200T03-A

Implement Security in Azure Development Solutions
AZ-200T04-A

Microlearnings: free interactive tutorials at Microsoft Learn

Azure Fundamentals

9H 39M - 12 Modules
1. Principles of cloud computing
2. Introduction to Azure
3. Azure architecture and service guarantees
4. Create an Azure account
5. Manage services with Azure portal
6. Azure compute options
7. Azure data storage options
8. Azure networking options
9. Security, responsibility and trust in Azure
10. Apply and monitor infrastructure standards with Azure Policy
11. Control and organize Azure resources with Azure Resource Manager
12. Predict costs and optimize spending for Azure

Create serverless applications

3H 9M - 3 Modules
1. Create serverless logic with Azure Functions
2. Execute an Azure Function with triggers
3. Chain Azure functions together using input and output bindings

Work with NoSQL data in Azure Cosmos DB

2H 27M - 4 Modules
1. Create an Azure Cosmos DB database built to scale
2. Insert and query data in your Azure Cosmos DB database
3. Build a .NET Core app for Azure Cosmos DB in Visual Studio Code
4. Distribute your data globally with Azure Cosmos DB

Work with relational data in Azure

1H 34M - 2 Modules
1. Provision an Azure SQL database to store application data
2. Create an Azure Database for PostgreSQL server

Connect your services together

3H 33M - 4 Modules
1. Choose a messaging model in Azure to loosely connect your services
2. Implement message-based communication workflows with Azure Service Bus
3. Communicate between applications with Azure Queue storage
4. Enable reliable messaging for Big Data applications using Azure Event Hubs

Deploy a website with Azure Virtual Machines

4H 13M - 4 Modules
1. Introduction to Azure Virtual Machines
2. Create a Linux virtual machine in Azure
3. Create a Windows virtual machine in Azure
4. Build and run a web application with the MEAN stack on an Azure Linux Virtual Machine

Store data in Azure

3H 5M - 4 Modules
1. Choose a data storage approach in Azure
2. Create an Azure Storage account
3. Connect an app to Azure Storage
4. Store application data with Azure Blob storage

Deploy a website to Azure with Azure App Service

3H 0M - 3 Modules
1. Prepare your development environment for Azure development
2. Host a web application with Azure App service
3. Publish a web app to Azure with Visual Studio

Manage resources in Azure

3H 29M - 4 Modules
1. Align requirements with cloud types and service models in Azure
2. Control Azure services with the CLI
3. Automate Azure tasks using scripts with PowerShell
4. Predict costs and optimize spending for Azure

Secure your cloud data

2H 49M - 4 Modules
1. Design for security in Azure
2. Top 5 security items to consider before pushing to production
3. Manage secrets in your server apps with Azure Key Vault
4. Secure your Azure resources with conditional access

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Exam
AZ-203: Developing Solutions for Microsoft Azure Exam

Pass certification exam AZ-203: Developing Solutions for Microsoft Azure to become a Microsoft Certified Azure Developer Associate.

In-depth courses

Develop for an Azure Cloud Model
AZ-201T01-A

Implement Azure Development Integration Solutions
AZ-201T02-A

Develop Azure Cognitive Services, Bot, and IoT Solutions
AZ-201T03-A

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