Azure Developer Learning Pathway

www.aka.ms/pathways

Getting started

- Microsoft Developer
- Sign up for the Microsoft.Source newsletter
- .NET documentation
- Azure Developer Tools Cloud computing basics for developers
- Get started with Azure DevOps
- Microsoft Developer Channel
- Developer LunchBytes

Microsoft Applied Skills

Targeted validation for real-world scenarios. Demonstrate proficiency in specific, scenario-based skill sets so you can make a bigger impact on every project, at your organization, and in your career.

- Develop an ASP.NET Core web app that consumes an API
- Deploy containers by using Azure Kubernetes Service
- Build distributed apps with .NET Aspire
- Deploy cloud-native apps using Azure Container Apps
- More Applied Skills

Role based Certification

AZ-204: Azure Developer

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.

Skills Measured:

- Develop Azure compute solutions
- Develop for Azure storage
- Implement Azure security
- Monitor, troubleshoot/optimize Azure solutions
- Connect to and consume Azure services and third-party services

Self-Study:

- Implement Azure App Service Web Apps
- Implement Azure Functions
- Develop Solutions that use Blob Storage
- Develop Solutions that use Azure Cosmos DB
- Implement containerised solutions
- Implement user authentication and authorisation
- Implement secure Azure solutions
- Implement API management
- Develop event-based solutions
- Develop message-based solutions
- Troubleshoot solutions by using Application Insights
- Implement caching for solutions

Developer Resource Guide

Languages & Frameworks:

- Django
- Web Application Project Templates

JavaScript

- JavaScript at Microsoft
- React
- jQuery

C#

- .NET on Microsoft Learn
- Build .NET applications with C#

Tooling:

Visual Studio Code

- VS Code – Latest Documentation
- Introduction to Visual Studio Code

Web Development

- Develop Web apps with Visual Studio Code
- Blazor

App Development:

- Create a cross-platform app with .NET MAUI
- Write your first Windows application

Agile/DevOps

- Plan Agile with GitHub Projects and Azure Boards
- GitHub Actions
- Terraform on Azure
- Fundamentals of Bicep
- Docker
- UI test with Selenium
- Jenkins on Azure
- Puppet
- Chef
- Ansible on Azure

Cloud Development

- Azure Container Registry
- Azure Container Instance
- Application Insights
- Azure Cache for Redis
- Azure Event Grid
- Azure Event Hub
- Create cloud-native apps and services with .NET and ASP.NET Core
- Azure Key Vault

Exam Page

Exam Study Guide

30 Days to Learn Challenge!

Course Page

Practice Assessment

Video on Demand