



## AZ-2009: Build distributed apps with .NET Aspire

Microsoft - Azure Apps & Infrastructure

- **Nível:** Intermédio
  - **Duração:** 7h
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### Sobre o curso

**Learn how to build observable, production ready, distributed applications with .NET Aspire.**

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### Pré-requisitos

Experience building web applications using .NET and C#

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### Programa

- Introduction to .NET Aspire
- Create a .NET Aspire project
- Use telemetry in a .NET Aspire project
- Use databases in a .NET Aspire project
- Improve performance with a cache in a .NET Aspire project
- Send messages with RabbitMQ in a .NET Aspire project

#### **Introduction to .NET Aspire**

- What is .NET Aspire?
- Learn about .NET Aspire integrations
- Learn about .NET Aspire tools

#### **Create a .NET Aspire project**

- Learn how to create a new .NET Aspire project
- How to add orchestration to an existing .NET app

#### **Use telemetry in a .NET Aspire project**

- Telemetry APIs in .NET
- Using OpenTelemetry in .NET Aspire
- Using the .NET Aspire dashboard

- Using a logger to add custom log messages

### **Use databases in a .NET Aspire project**

- Store data in SQL-compliant databases
- Store data in NoSQL databases
- Create tests with .NET Aspire

### **Improve performance with a cache in a .NET Aspire project**

- Caches and Redis
- Using a Redis distributed cache
- Using a Redis output cache
- Customize connection strings by using .NET Aspire manifests

### **Send messages with RabbitMQ in a .NET Aspire project**

- What is RabbitMQ?
- Sending messages with RabbitMQ