# MOC Workshop: Azure Developer Hackathon (40457)

- **Formato do curso:** Presencial
- **Localidade:** Lisboa
- **Data:** 25 Mar. 2019 a 28 Mar. 2019
- **Preço:** 960€
- **Horário:** Pós-laboral - das 18h30 às 22h00
- **Nível:** Avançado
- **Duração:** 14 horas

This hackathon workshop offers an experience which builds upon one of the following prerequisite courses or equivalent experience building ASP.NET and C# applications. Students should also have experience with the Microsoft Azure platform and a basic understanding of the services offered.

Students will take an existing web application and enhance their knowledge by adding new features implemented with new and advanced Azure services.

## Destinatários

The candidates targeted by this training have experience in implementing and monitoring Microsoft Azure solutions. Candidates are also proficient with the development tools, techniques, and approaches used to build application solutions.

## Pré-requisitos

Students must have experience working with the Azure platform, and have taken one of the following two courses (or have the equivalent professional experience):

- 20532: Developing Microsoft Azure Solutions
- DEV233: Developing Microsoft Azure Solutions

## Objectivos

After completing this course, students will have an enhanced understanding of development practices and developer themes using Azure services, including:

- Configuring a Continuous Deployment Solution (Agility)
- Modernizing the Events Page (Agility)
- Implementing a Search Experience (Search)
- Creating a Public Events API (Search)
- Masking Personal Information (Security)
- Enabling Azure Active Directory and Multi-Factor Authentication (Security)

## Programa

**Module 1: AGILITY**

Students will work in teams to create an agile development and deployment solution that will allow it to be automatically deployed to Azure, and they will validate that the solution works.Lessons

- Configuring a Continuous Deployment Solution
- Modernizing the Events Page

After working through the scenarios presented in Module 1, students will be able to create a validated, agile development and deployment solution on Azure.

**Module 2: SEARCH**

Students will implement a scalable search experience for end users with an API that can be used by third parties..Lessons

- Implementing a Search Experience
- Creating a Public Events API

After working through the scenarios presented in Module 2, students will have a deeper understanding of Azure Search optimizations including the implementation and use of an Azure Search Indexer and a connected database to pull data and update selected fields.

**Module 3: SECURITY**

Students will implement security features in their Azure application to protect user information, and they will implement a higher-level authorization scheme that will protect administration features from anonymous access.Lessons

- Masking Personal Information
- Enabling Azure Active Directory Authentication

After working through the scenarios presented in Module 3, students will have learned how to implement security features in their Azure application to protect both user information and administration features from anonymous access.