

Serverless CQRS C# Setup

Set up your development environment

To develop & run a function with C# and Rider or Visual Studio, install the following software:

Rider IDE →

<https://www.jetbrains.com/rider/download/>

or

Visual Studio Community Edition →

<https://visualstudio.microsoft.com/downloads/>

Azure CLI → <https://docs.microsoft.com/en-us/cli/azure/>

Version 2.x of the Azure Functions Core Tools. It provides a local development environment for writing, running, and debugging Azure Functions. → <https://docs.microsoft.com/en-us/azure/azure-functions/functions-run-local?tabs=windows%2Ccsharp%2Cbash#v2>

Install .NET Core 2.1 SDK →

<https://dotnet.microsoft.com/download/dotnet-core/2.1>

Make sure the nuget package manager of your IDE is set up to get packages from nuget.org

For additional information about set up go to the following URL if needed

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-create-maven-kotlin-intellij>

Running the API

Get the repo here → <https://gitea.advancetech.io/AdvanceTech.io/serverlessCqrsCSharp>

Once you have checked out the code, you will need the following set up on your workstation:

1. A local installation of EventStoreDB is required to run this project. Make sure that the event store database is installed and running. This can be verified by loading <http://localhost:2113/web/index.html#/> The default username/password is admin/changeit. Commands cannot be issued to the hotel reservation system without an active event store.

There are 2 methods of installing event store.

1. You can find installation instructions at <https://www.eventstore.com/>.

2. A docker-compose.yml file has also been provided in the repositories root directory. Execute the command docker-compose up in the root directory if you have docker installed.

Open HotelManagement.sln with your IDE and run the solution.