Contents

[1. Simulator Configuration 2](#_Toc11673617)

[1.1. Clone the code 2](#_Toc11673618)

[1.2. Update appsettings.json file 3](#_Toc11673619)

[1.3. Run the Simulator 7](#_Toc11673620)

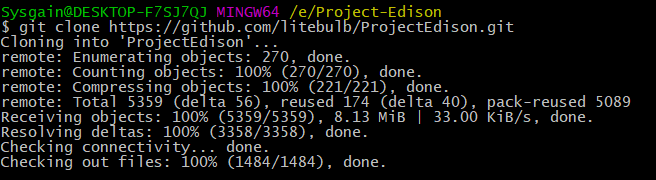
# 1. Simulator Configuration

## 1.1. Clone the code

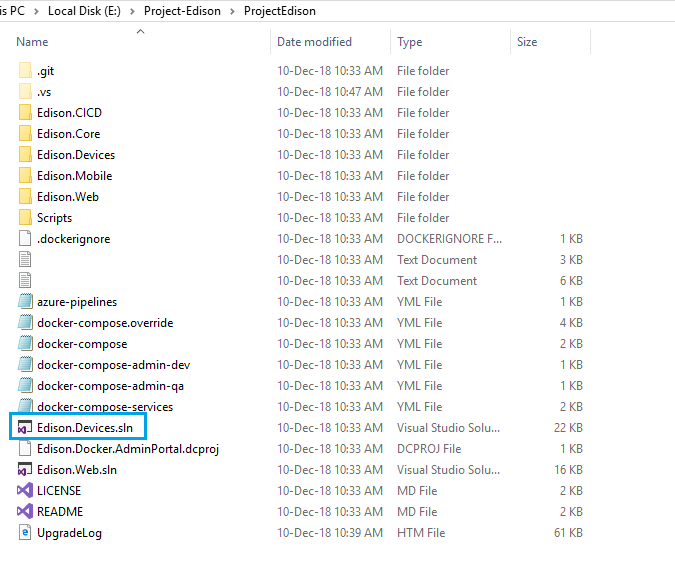
1. Open Git Bash and run the below command to clone the Repo into your Remote Machine.

**git clone <git hub repo URL>**

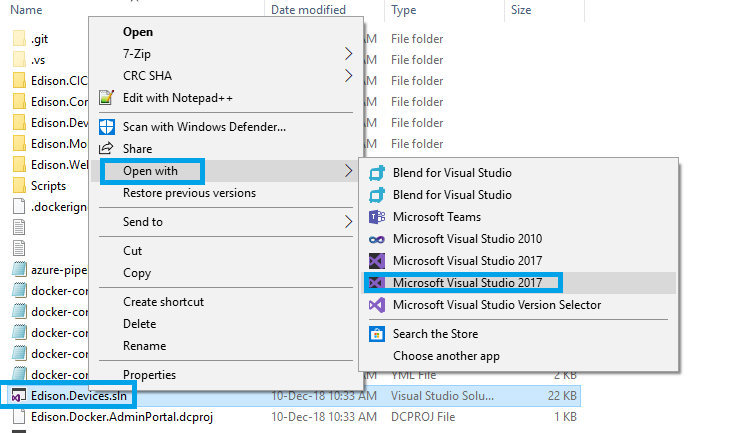
**Ex: git clone** [**https://github.com/<xxxx>/<xxxxxx.git**](https://github.com/%3cxxxx%3e/%3cxxxxxx.git)**>**



1. Find the solution called **Edison.Devices.sln**



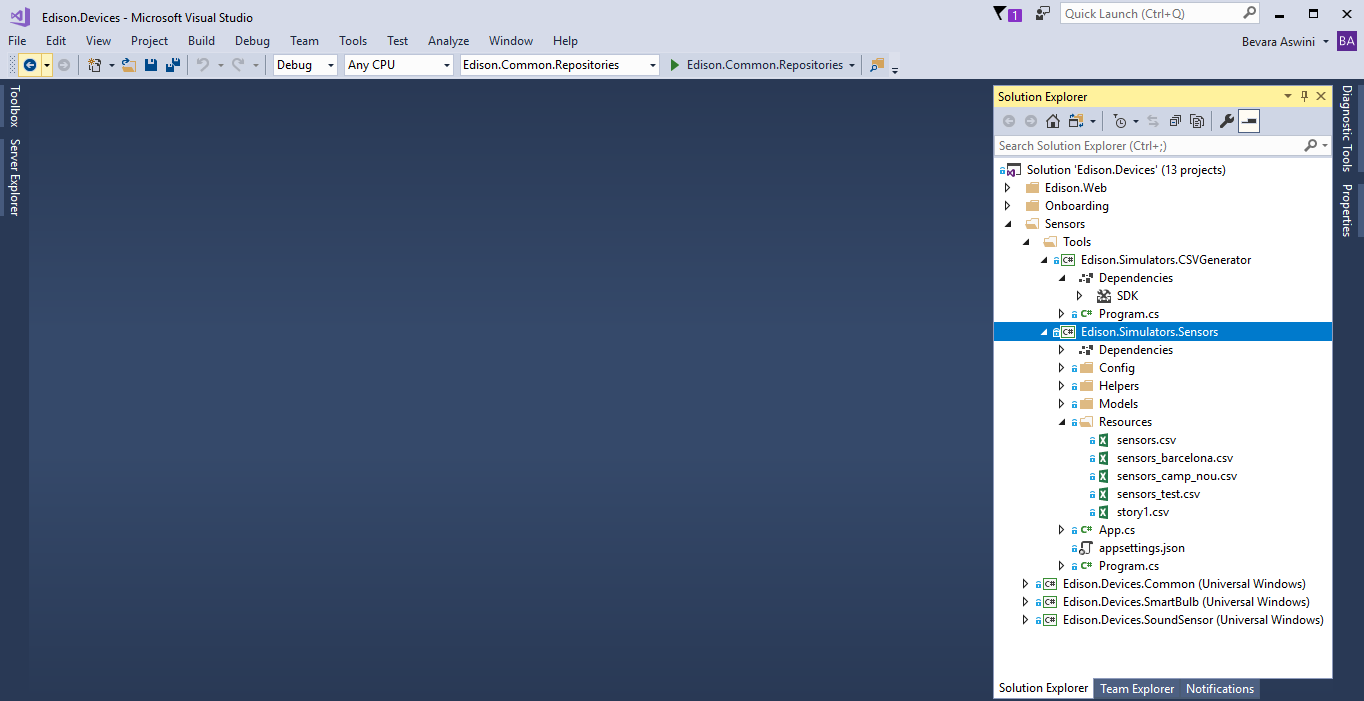
1. **Right** **click** and Open with **Visual studio 2017.**

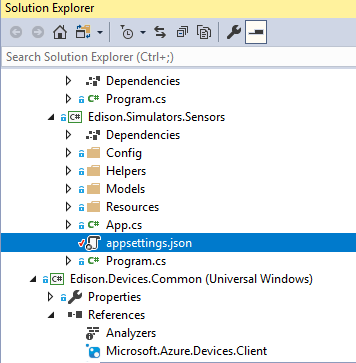


**Note:** Make **Microsoft.NETCore.App (2.1) SDK** is installed in Visual Studio 2017.

## 1.2. Update appsettings.json file

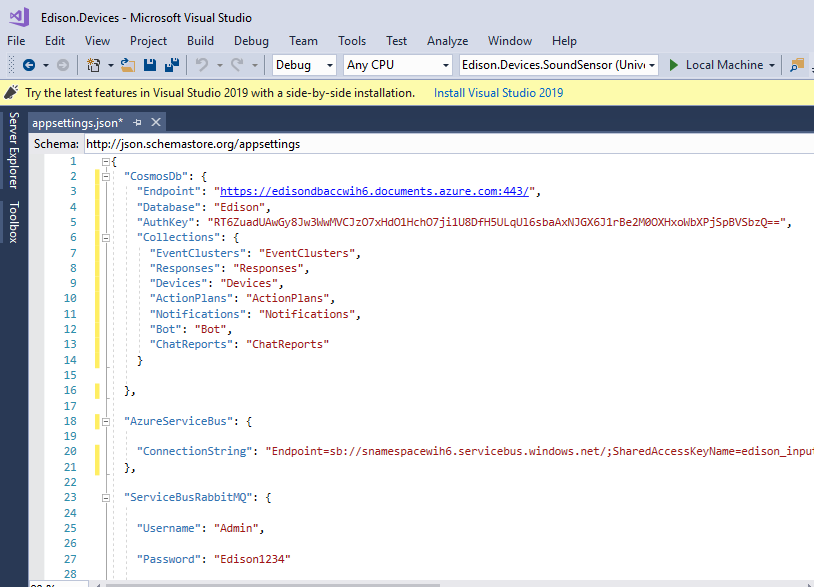
1. Open **appsettings.json** from **Edison.Simulators.Sensors** Project**.**



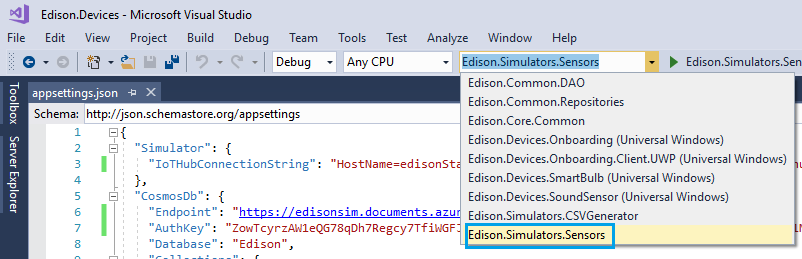


1. Fill in the values of all the necessary keys such as Cosmos DB, Service Bus, Tenant, IoT Hub, Bot details and save it.

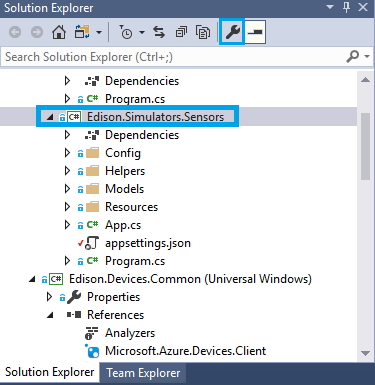
**Note:** Please refer Deployment Guide for the above Endpoint values.



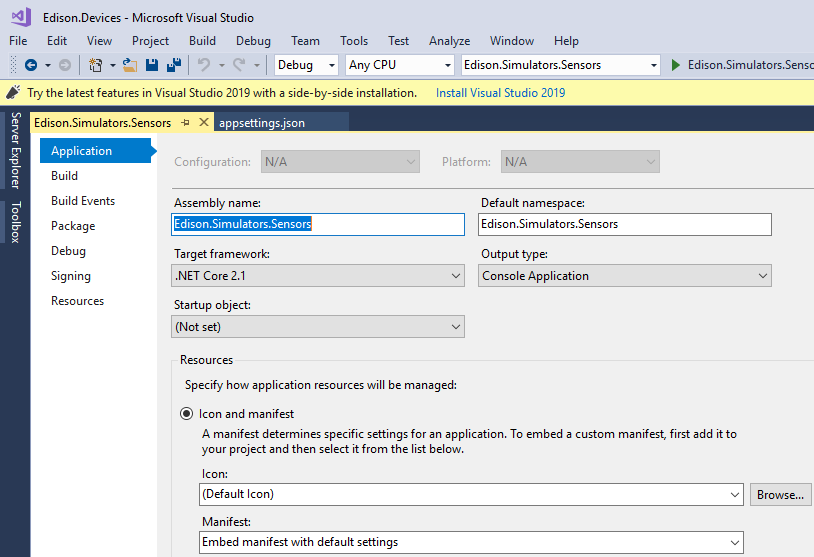
1. Select **Edison.Simulators.Sensor** from dropdown list to run the Simulator as shown in below screenshot.

****

1. Select **Edison.Simulators.Sensors** Project and click **Properties Icon** as shown in below Screenshot.

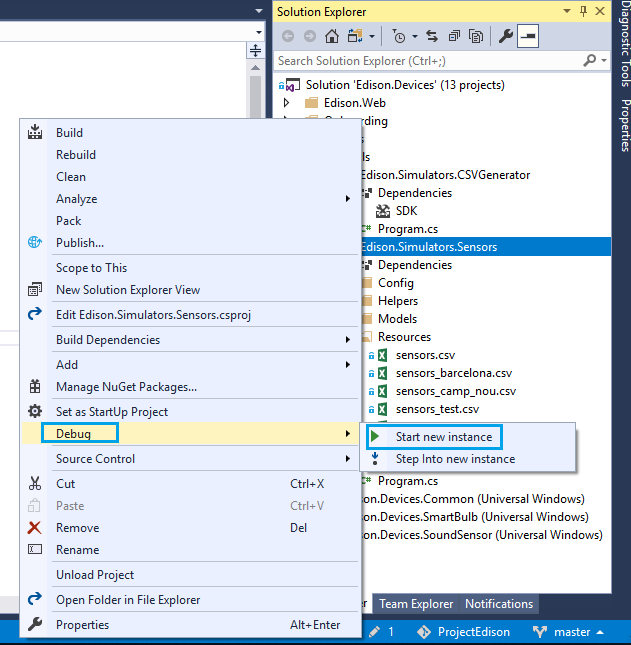


1. Make sure that the **Output type** of the application should be **Console Application,** toopen command promptafter successful built**.**

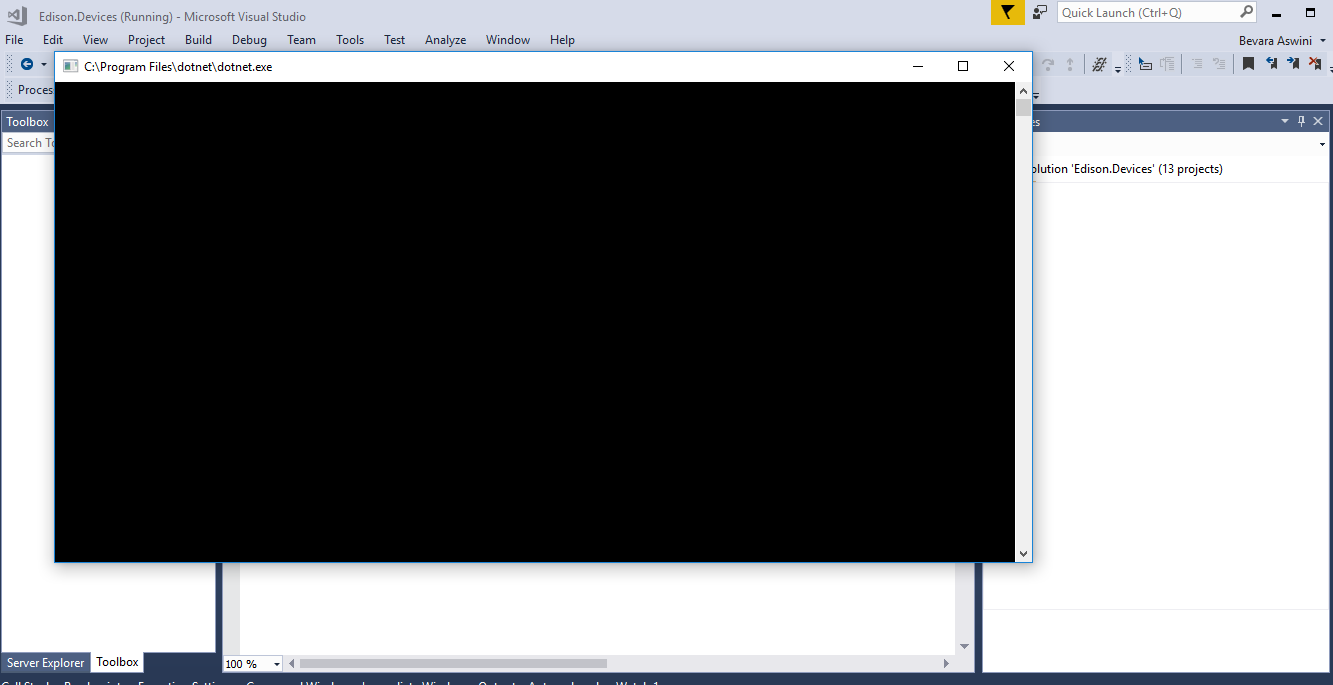


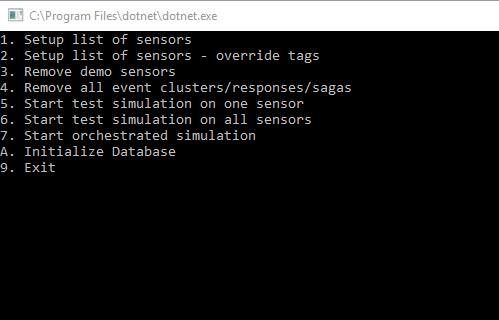
## 1.3. Run the Simulator

1. **Right click** on **Edison.Devices.Simulators** Project and click **Debug>Start new instance** torun the project in debug mode.



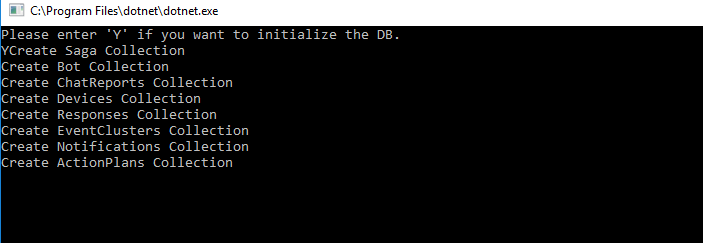
1. After successful build of the project, a command prompt screen will appear with list of events displayed after a while.





1. Choose the Corresponding event number relevant to your choice.

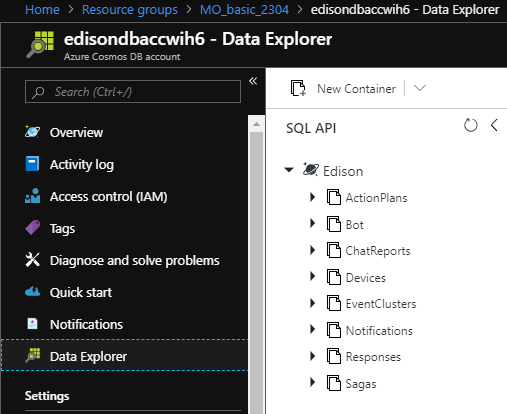
Run Command **A** in the terminal and Enter **Y** if you want to **Initialize the Database.**



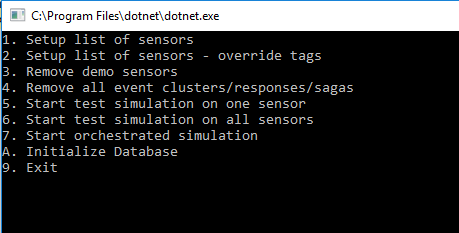
1. The respective database **Collections** will be created after successful initialization of Database.

Created Collections can be checked in Azure Cosmos DB.

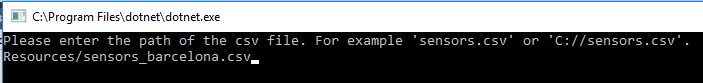
Navigate to **Azure Portal>Resource Group> Azure Cosmos DB> Data Explorer** as shown in below screen.



1. Use command **1** to generate some devices.

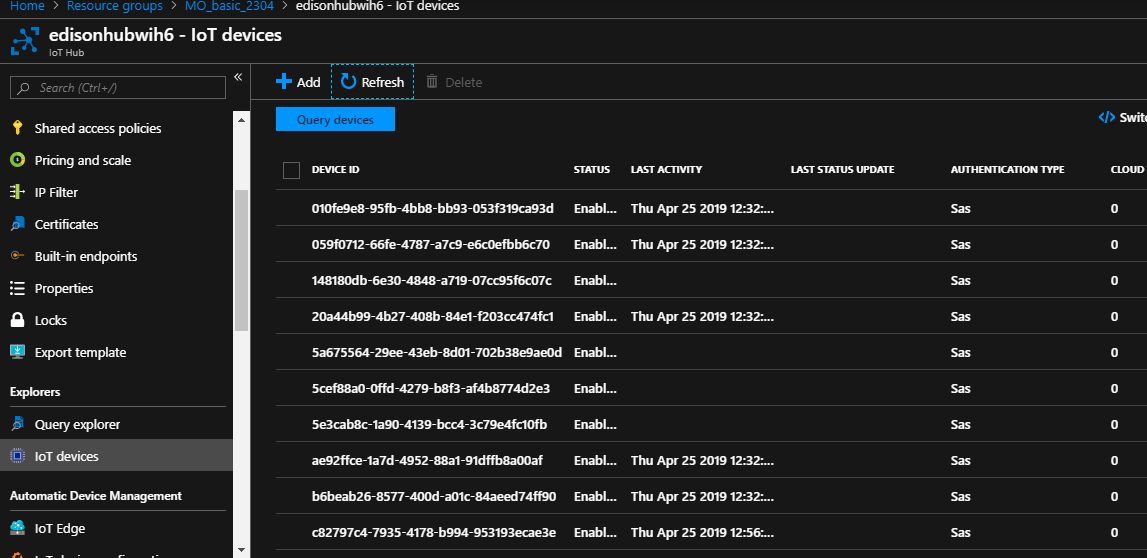


1. Enter the resources path **Ex:** **Resources/sensors\_barcelona.csv** to generate some devices.

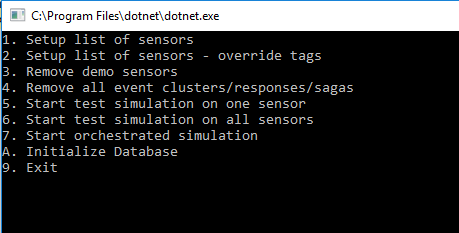




1. Navigate to **Azure Portal**> **IoT Hub> IoT devices** to check the created devices.



1. Use command **5** to trigger an event.



1. Type a number corresponding to the device to trigger.

