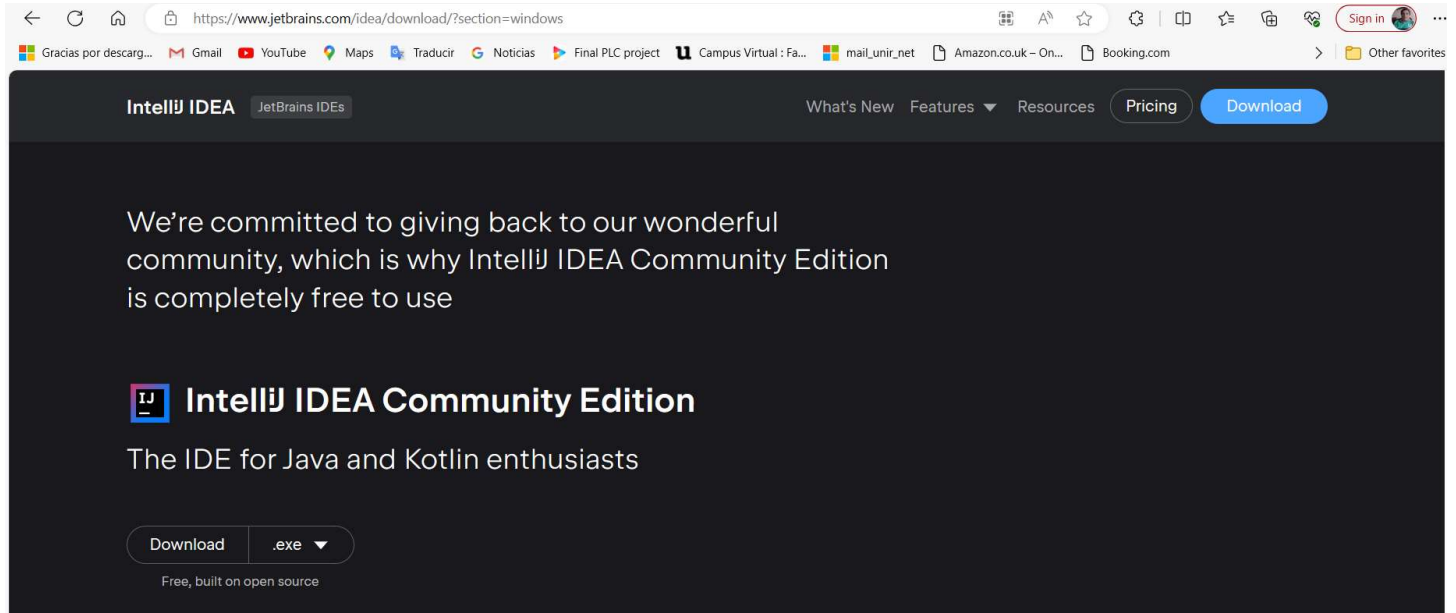


How to create an Azure Java Function Http Triggered using IntelliJ

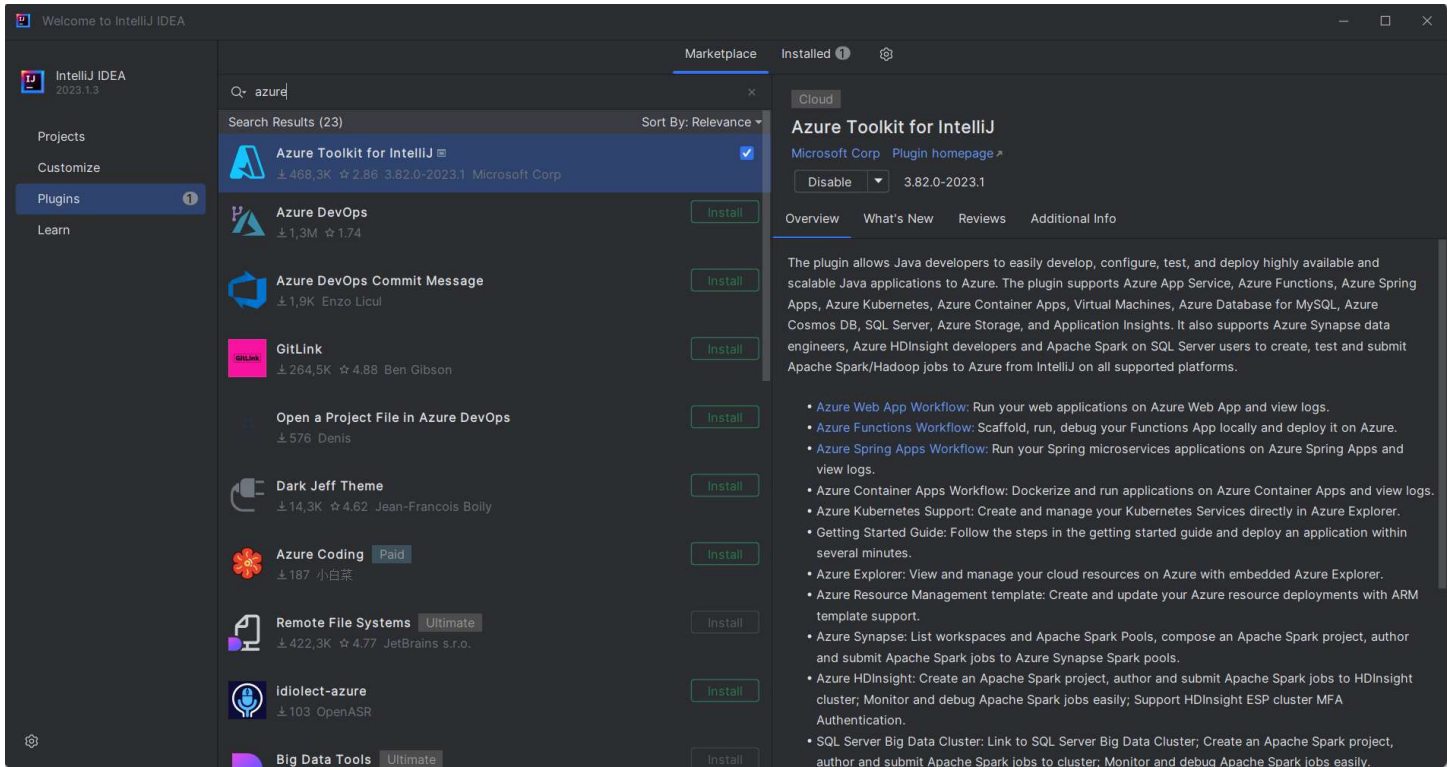
Install IntelliJ Community Edition: <https://www.jetbrains.com/idea/download/?section=windows>



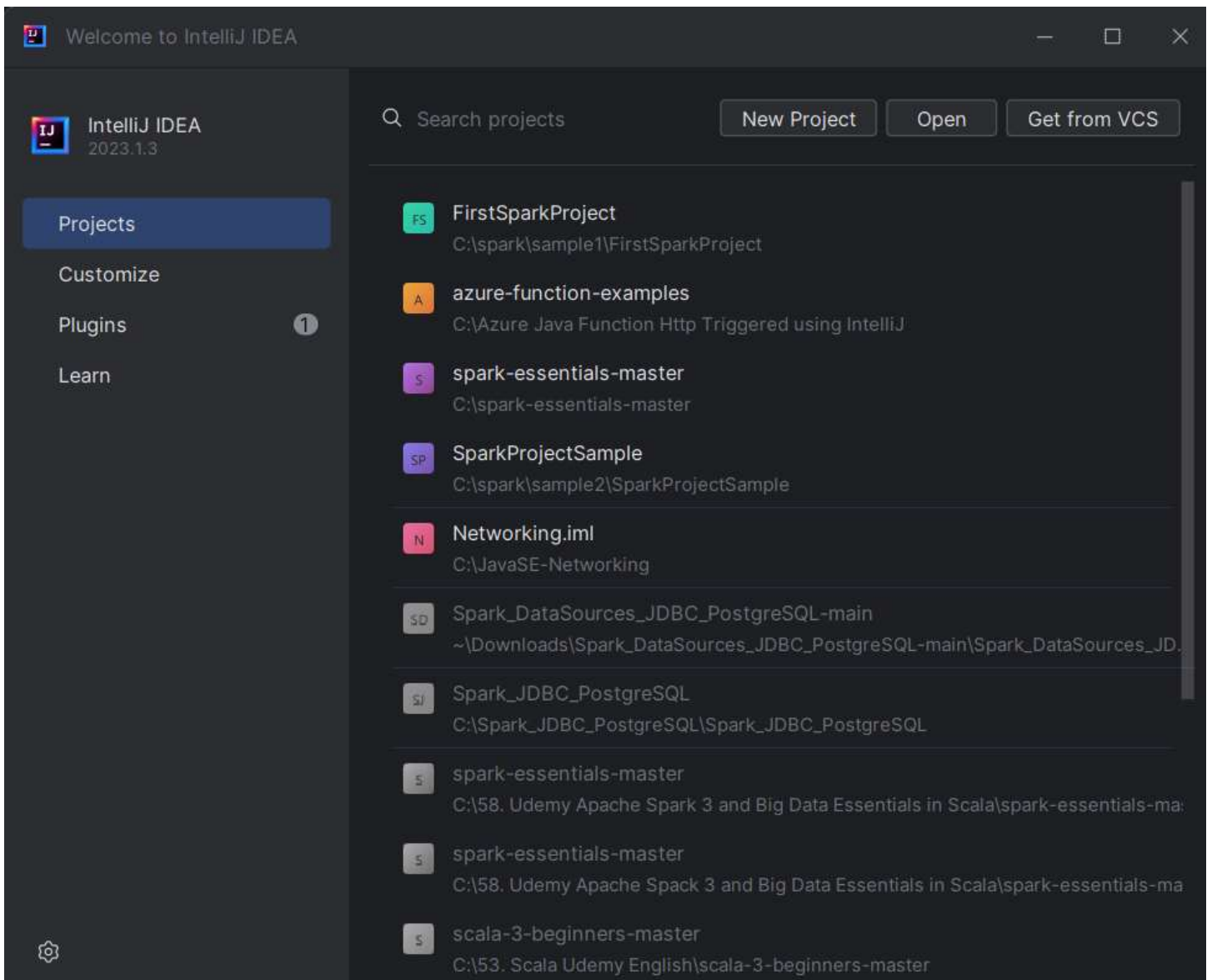
Run IntelliJ Community Edition



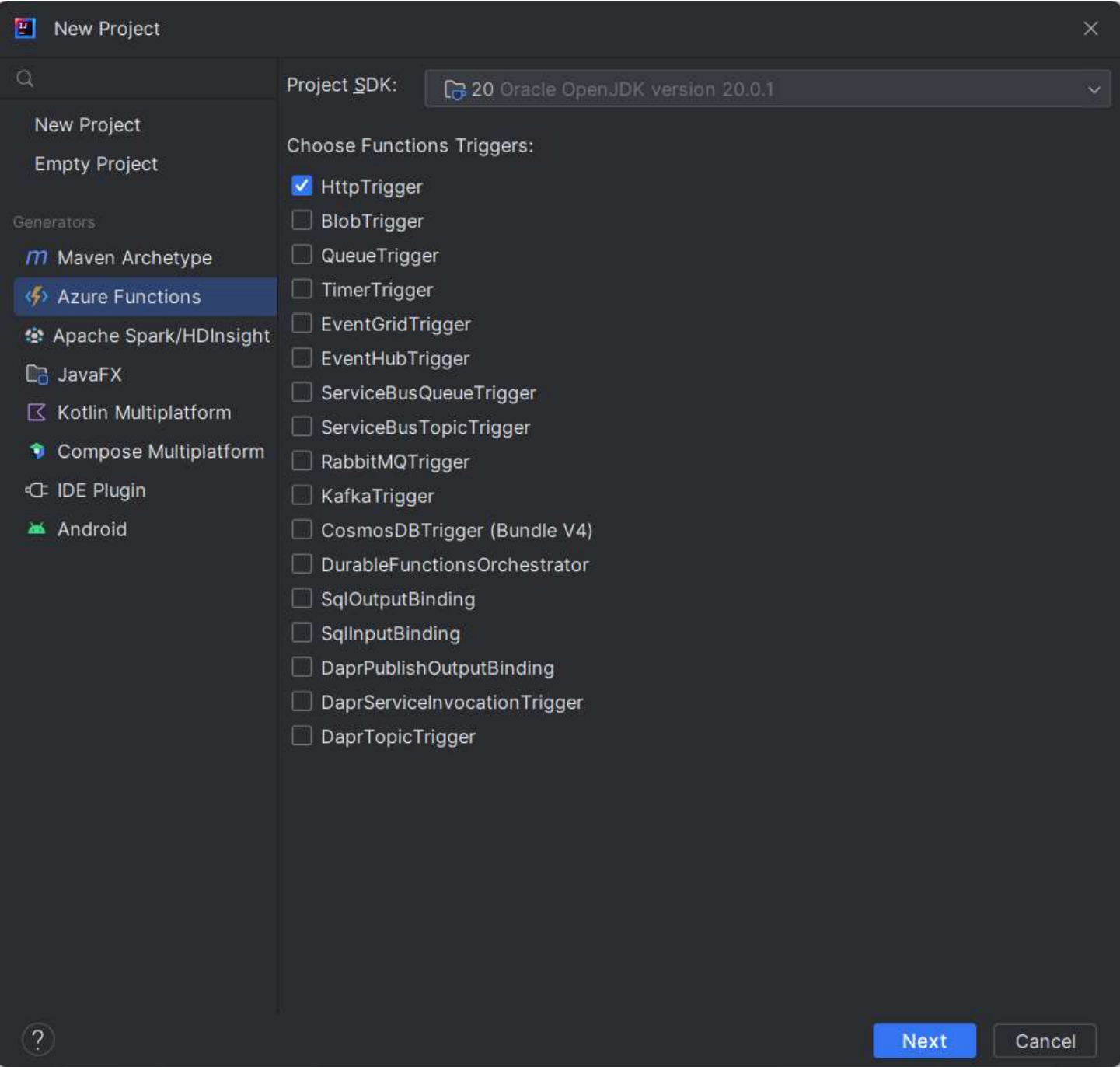
Install "Azure Toolkit for IntelliJ" plugin



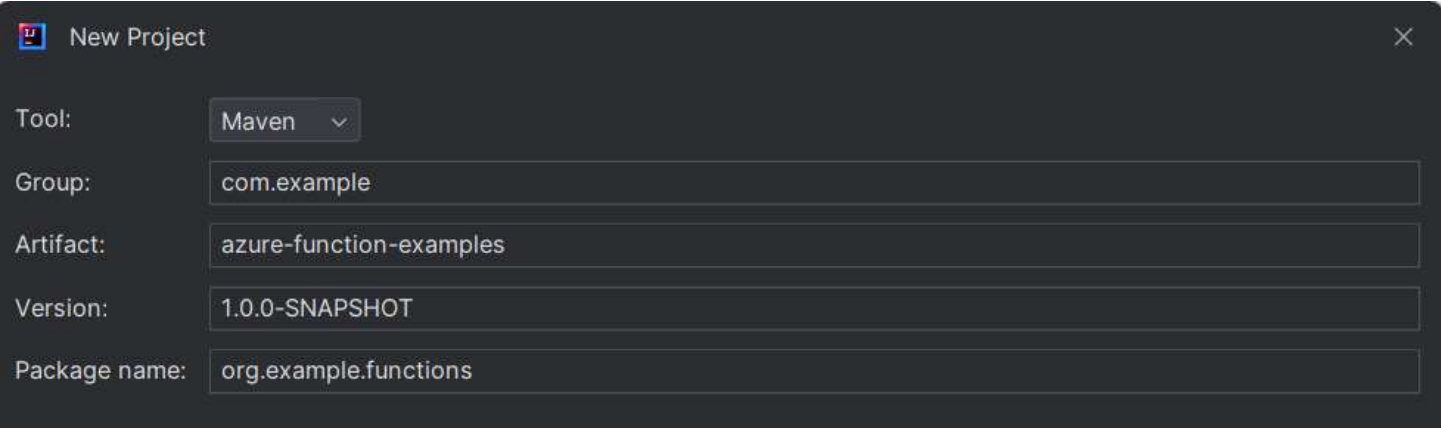
Create a new project



Select "Azure Functions", Function trigger "HttpTrigger", project SDK "Oracle openJDK version 20.0.1":



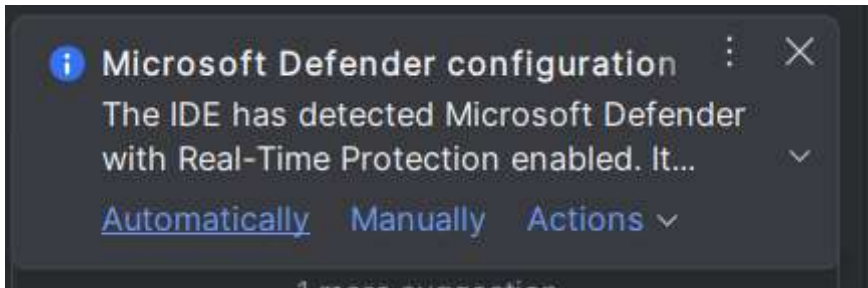
Select project manager tool "Maven", group name "com.example", artifact "azure-function-examples", version "1.0.0-SNAPSHOT", package name "org.example.functions":



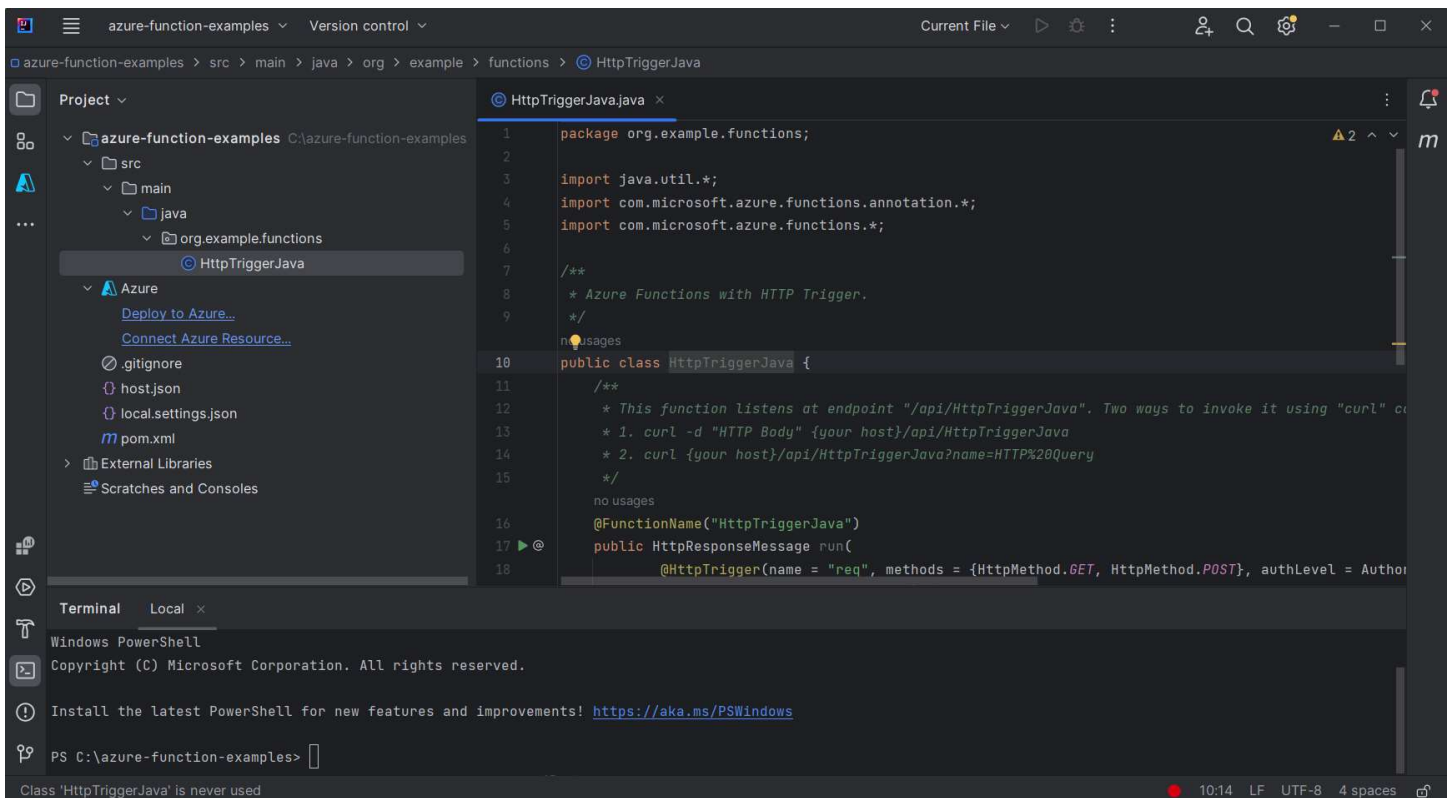
Also set the project name "azure-function-examples" and project location "C:\azure-function-examples":



To avoid any problem with the Antivirus configure Microsoft Defender automatically:



This is the project structure:



This is the Azure Java Function source code:

```
package org.example.functions;

import java.util.*;
import com.microsoft.azure.functions.annotation.*;
import com.microsoft.azure.functions.*;
```



```

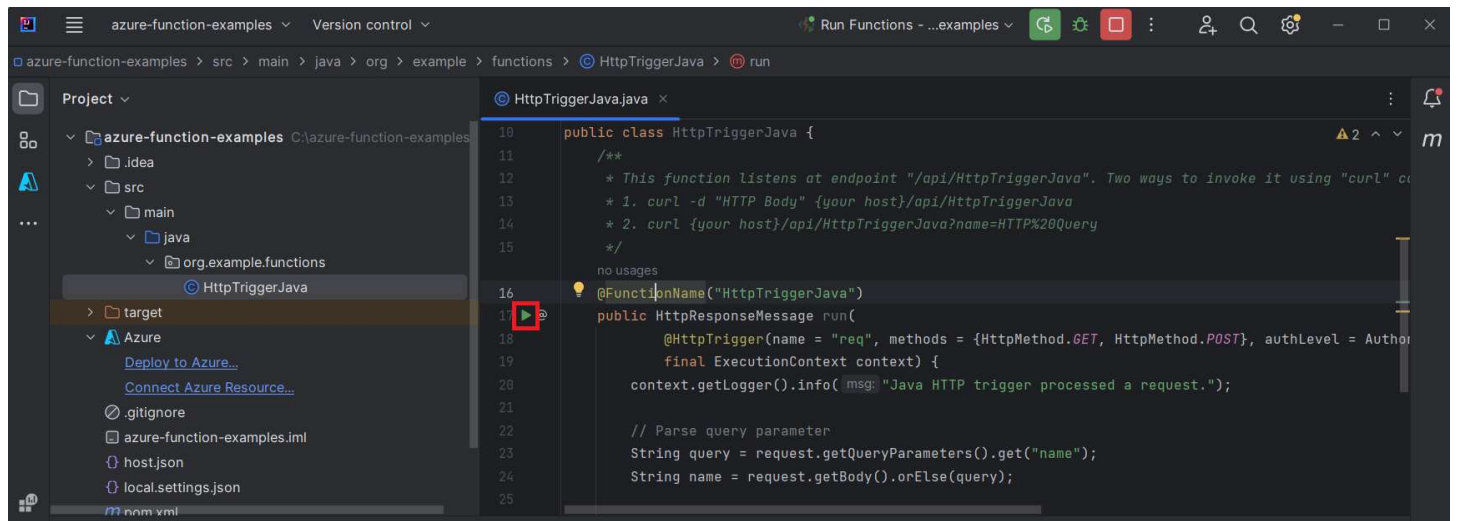
/**
 * Azure Functions with HTTP Trigger.
 */
public class HttpTriggerJava {
    /**
     * This function listens at endpoint "/api/HttpTriggerJava". Two ways to invoke it using "
     * 1. curl -d "HTTP Body" {your host}/api/HttpTriggerJava
     * 2. curl {your host}/api/HttpTriggerJava?name=HTTP%20Query
     */
    @FunctionName("HttpTriggerJava")
    public HttpResponseMessage run(
        @HttpTrigger(name = "req", methods = {HttpMethod.GET, HttpMethod.POST}, authLevel
        final ExecutionContext context) {
        context.getLogger().info("Java HTTP trigger processed a request.");

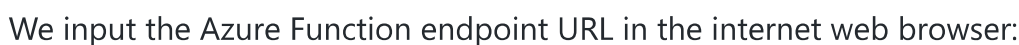
        // Parse query parameter
        String query = request.getQueryParameters().get("name");
        String name = request.getBody().orElse(query);

        if (name == null) {
            return request.createResponseBuilder(HttpStatus.BAD_REQUEST).body("Please pass a n
        } else {
            return request.createResponseBuilder(HttpStatus.OK).body("Hello, " + name).build()
        }
    }
}

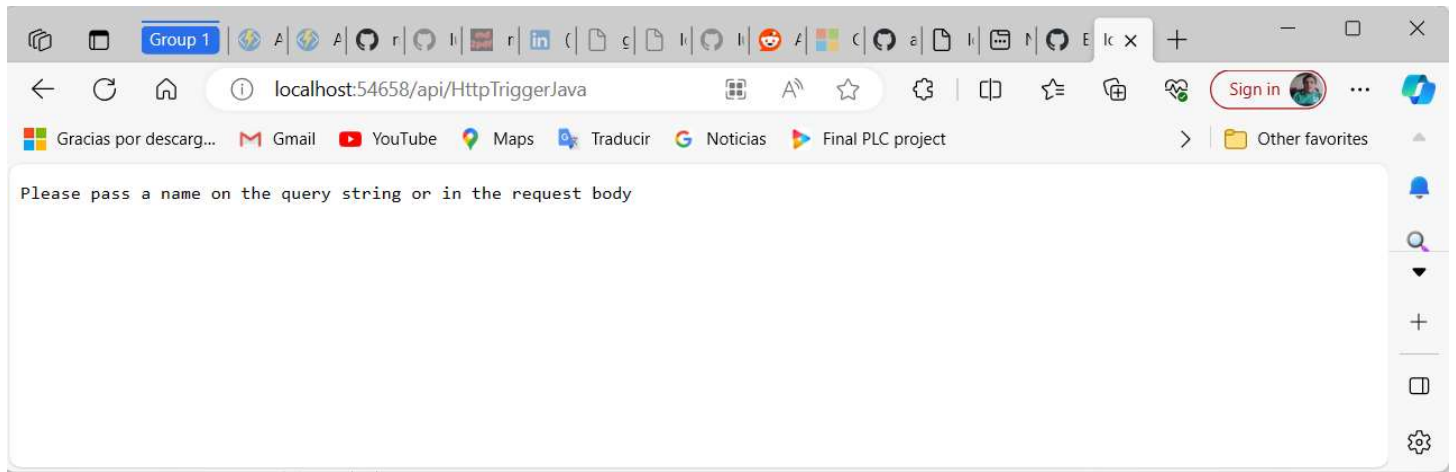
```

Run the application:



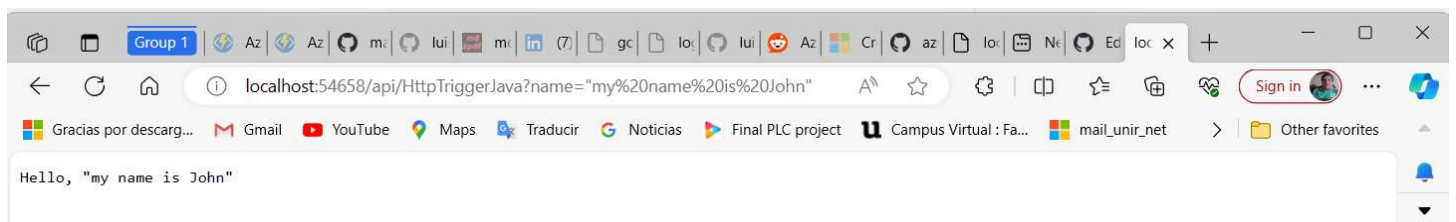


<http://localhost:54658/api/HttpTriggerJava>

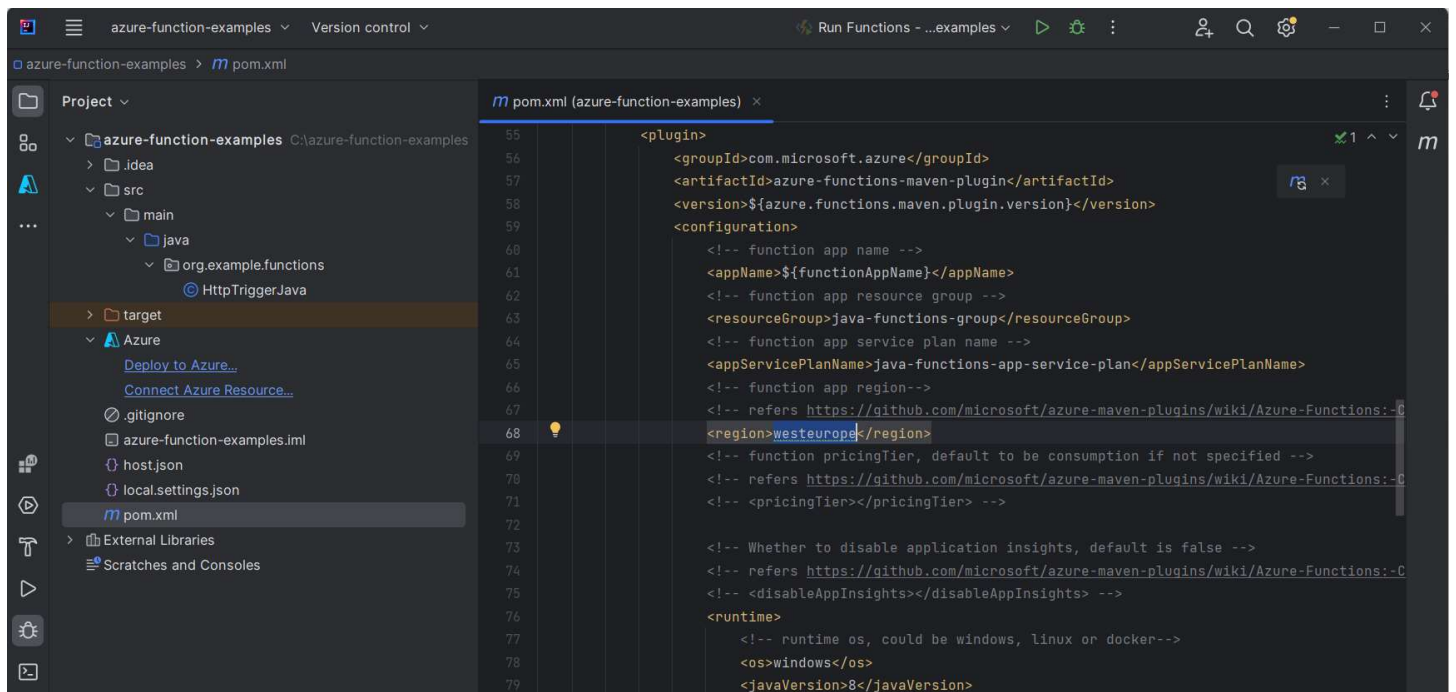


Also we can set the "name" parameter as a querystring in the above URL:

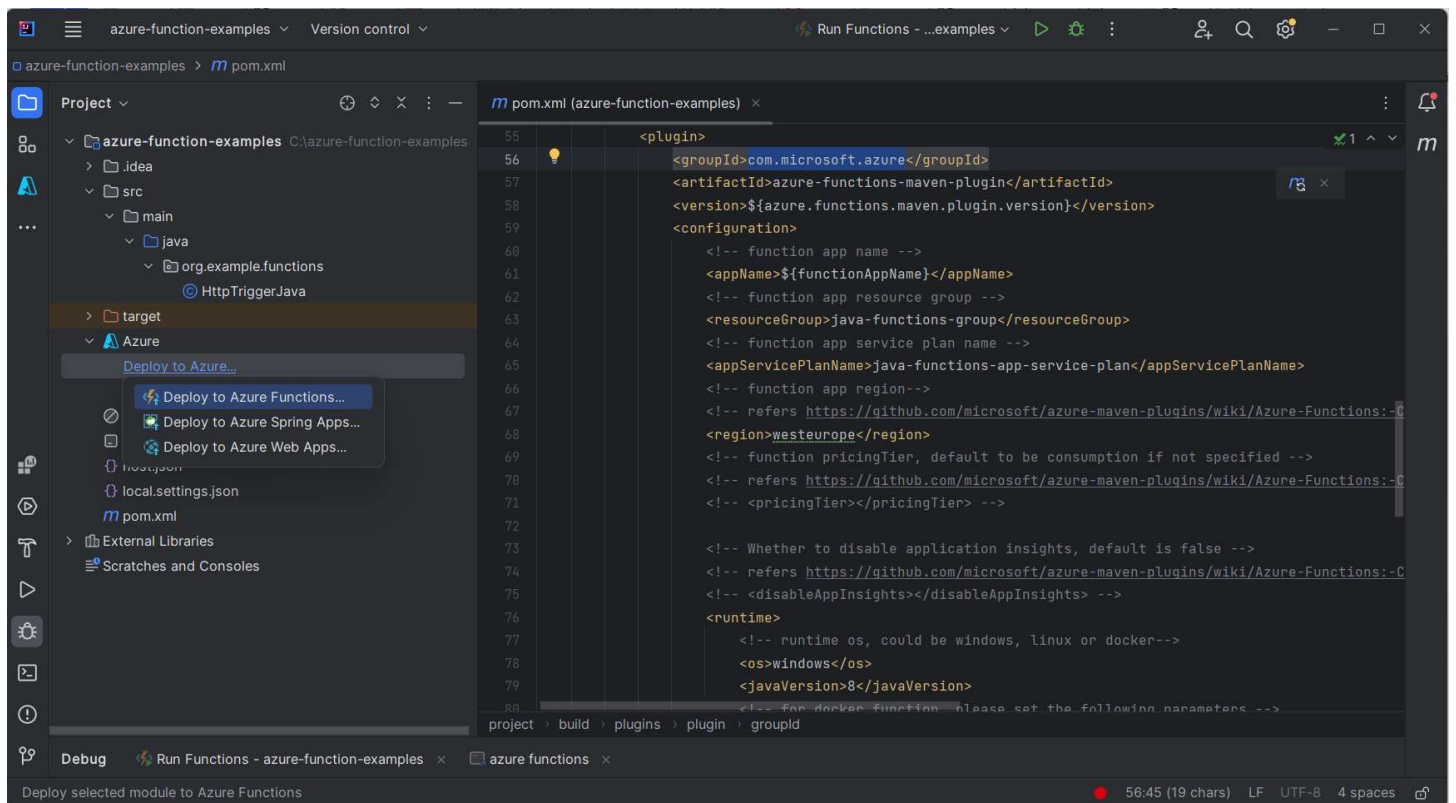
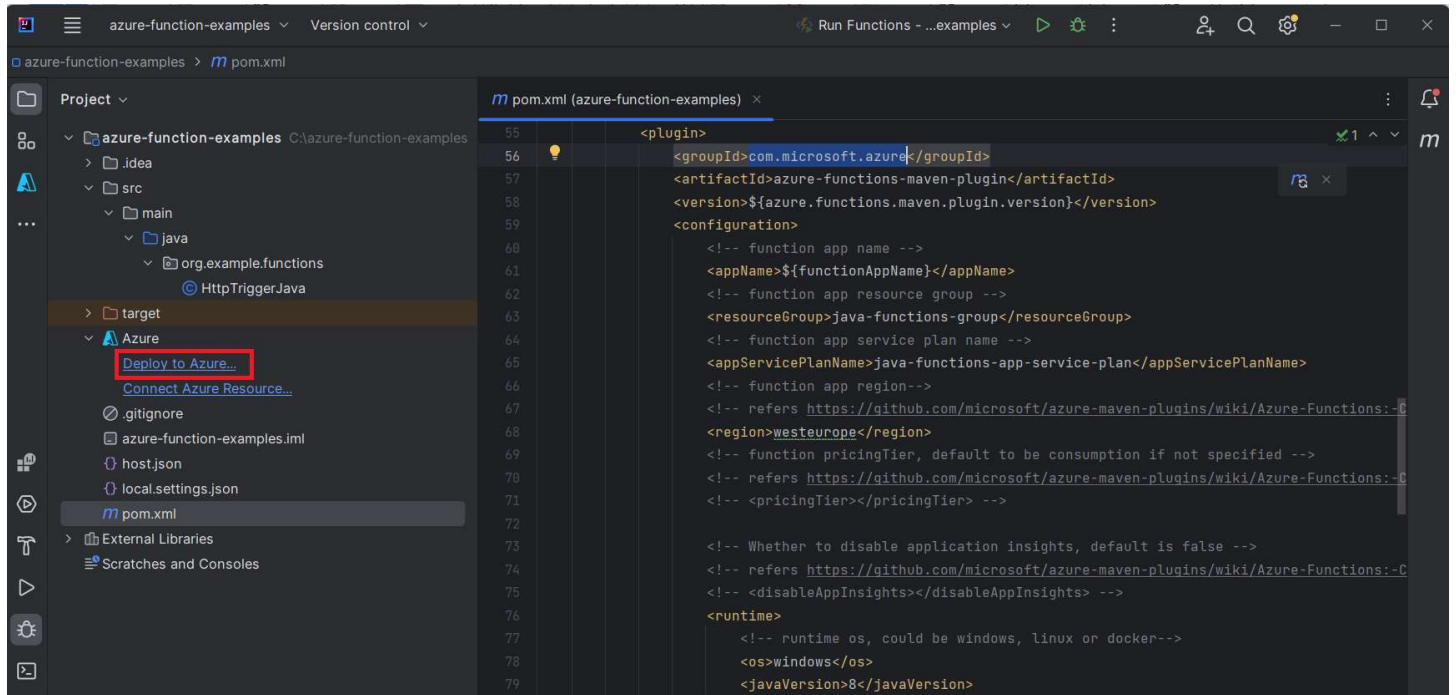
[http://localhost:54658/api/HttpTriggerJava?name="my name is John"](http://localhost:54658/api/HttpTriggerJava?name='my name is John')



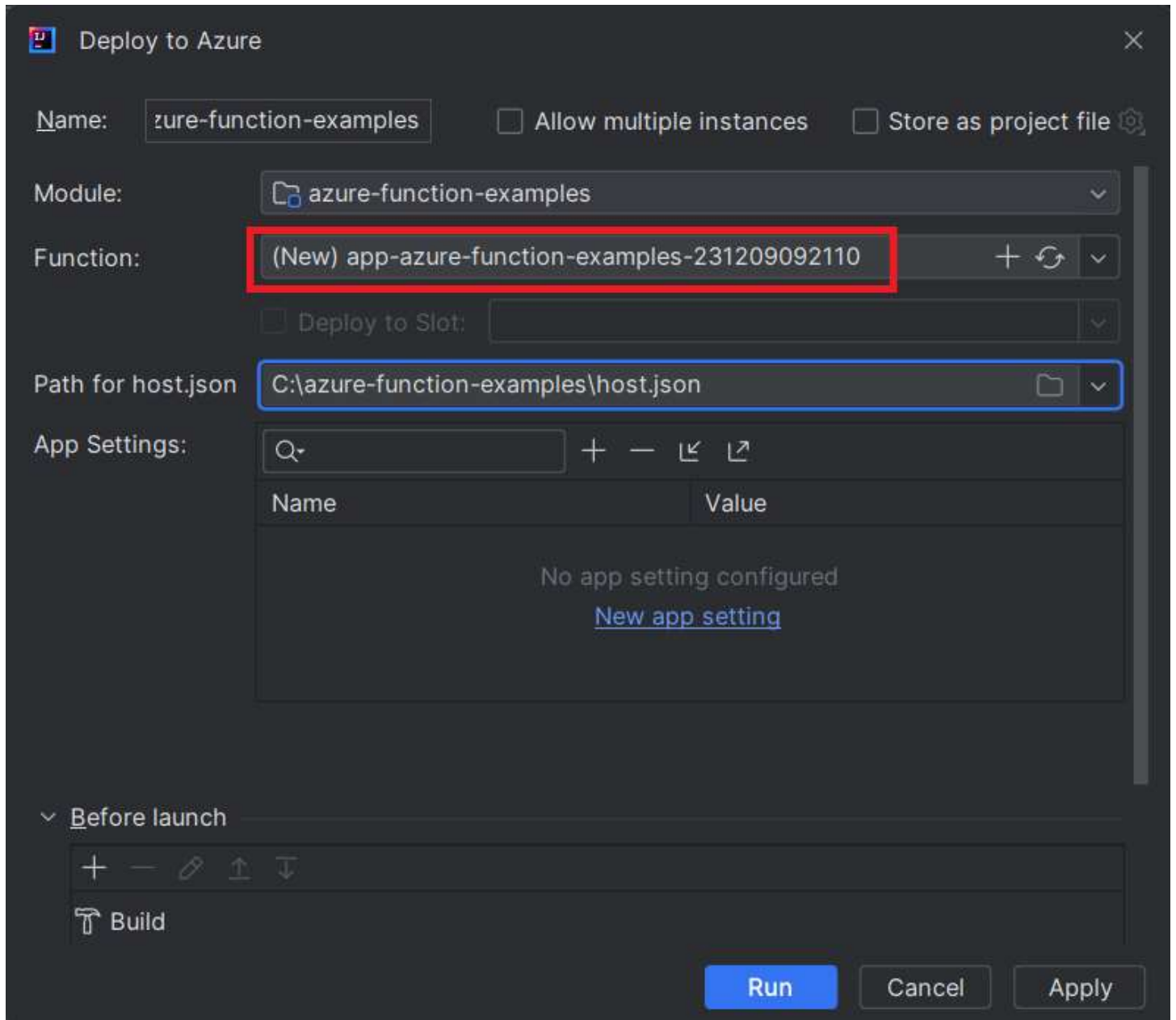
Before deploying the Azure Java Function in the Azure Portal we can the deployment region "westeurope" in the pom.xml file:



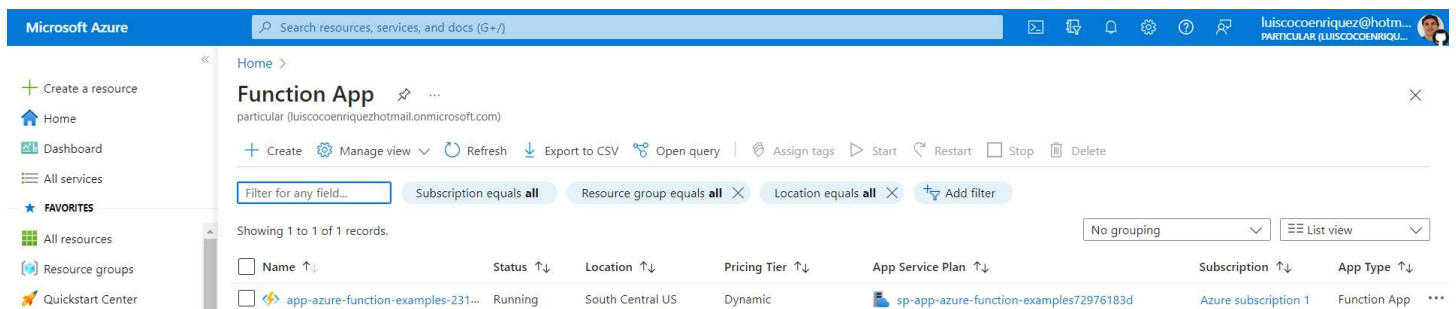
We deploy the application clicking on the "Deploy to Azure..." link:



If you previously created a Function in Azure Portal then select it, otherwise we create a new Function in Azure portal to host our application



When the deployment is finished you can Login in Azure Portal and inside the Azure Functions list we select our new Function



Microsoft Azure

Search resources, services, and docs (G+)

Home > Function App > app-azure-function-examples-231209092110

Function App

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Microsoft Defender for Cloud

Events (preview)

Functions

App keys

App files

Proxies

Deployment

Deployment slots

Deployment Center

Settings

rg-app-azure-function-examples-231209092112

https://app-azure-function-examples-231209092110.azurewebsites.net/

Status: Running

Operating System: Windows

Location (move): South Central US

App Service Plan: sp-app-azure-function-examples72976183d (Y1: 0)

Subscription (move): Azure subscription 1

Runtime version: 4.27.5.21549

Subscription ID: 846901e6-da09-45c8-98ca-7cca2353ff0e

Tags (edit): Add tags

Functions Metrics Properties Notifications (0)

+ Create {} Set up local environment Refresh

Filter by name...

Name	Trigger	Status	Monitor
HttpTriggerJava	HTTP	Enabled	Invocations and more

We click on the button "Get Function Url" to copy the Azure Function URL:

Microsoft Azure

Search resources, services, and docs (G+)

Home > Function App > app-azure-function-examples-231209092110 > HttpTriggerJava

Function

Overview

Developer

Code + Test

Integration

Monitor

Function Keys

Enable Disable Delete Get Function Url Refresh

⚠ Your app is currently in read only mode because you are running from a package file. To make any changes update the content in your zip file and WEBSITE_RUN_FROM_PACKAGE app setting.

Essentials

Resource group (move): rg-app-azure-function-examples-231209092112

Application Insights: app-azure-function-examples-231209092110

Location: South Central US

Subscription (move): Azure subscription 1

JSON View

Microsoft Azure

Search resources, services, and docs (G+)

Home > Function App > app-azure-function-examples-231209092110 > HttpTriggerJava

Function

Overview

Developer

Code + Test

Enable Disable Delete Get Function Url Refresh

Get Function Url

default (fu... https://app-azure-function-examples-231209092110.azurewebsites.net/api/HttpTriggerJava?code=3h0rA7jS-NQZyUcORLRVDWJ2MmTFuOPGKUd0rxHkArLTazFuj5x_QA=

OK

zip file and

JSON View

HttpTriggerJava - Microsoft Azure

app-azure-function-examples-2

app-azure-function-examples-231209092110.azurewebsites.net/api/HttpTriggerJava?code=3h0rA7jS-NQZyUcORLRVDWJ2MmTFuOPGKUd0rxHkArLTazFuj5x_QA=

Gmail YouTube Maps Noticias Traducir RxJS v6.6.7 Angular: ¿Qué es A... Angular Get Started for FREE

Please pass a name on the query string or in the request body

We can also set the "name" parameter as a querystring in the Function URL endpoint:

<https://app-azure-function-examples-231209092110.azurewebsites.net/api/HttpTriggerJava?code=3h0rA7jS->

NQZyUcORLRVDWJ2MmTFuOPGKUd0rxHkArLTazFuJ5x_QA==&name=%22my%20name%20is%20Peter%22

