

## **Usability Test**

There is a different option to deploy function on each serverless platform. Here for usability testing, in each portal scenario used.

### **Microsoft Azure function test steps**

#### **Prerequisites**

1. Account on Microsoft Azure portal.
2. NPM installation.

#### **Create Azure function**

1. Login to Azure portal.
2. Create a resource.
3. In search plane, search for Function app.
4. Create new function.
5. Fill in the function details with windows OS and JavaScript runtime environment.
6. Wait for deployment to complete.

#### **Create an HTTP triggered function**

1. Click on new function.
2. Select In portal option.
3. Choose WebHook + API and create.
4. The file index.js will appear.
5. In the body variable, type Hello world.
6. Save and run function.
7. Click on get function URL and copy it.
8. Paste the function URL into browser address bar.
9. See the response returned by the function displayed in the browser.

### **Amazon web services lambda test steps**

#### **Prerequisites**

1. Account on AWS account
2. Installed NPM dependencies

#### **Create a Lambda Function with the Console**

1. Sign in to the AWS Management Console.
2. In search panel, search for Lambda.
3. Create function.
4. Fill in basic formation about function such as name, runtime, execution role.
5. Name the function and set the runtime to Node.js 8.10 version.
6. Click on create function.

#### **Create an API Gateway, which will trigger Lambda function.**

1. Click on services, type API Gateway.
2. Create API and chose REST API option,
3. Click on Create API.
4. From the menu Actions, chose create method of GET.

5. Select Integration type as Lambda function.
6. Back to Lambda function page.
7. Go to Basic Settings and increase the timeout to 2 min. This is to let request/response complete before Lambda terminates function execution.
8. In the body variable, type Hello world.
9. Save and run function.

To send the request to the Lambda function, we will need URL.

1. Click on API Gateway, you will see Invoke URL.
2. Paste the function URL into browser address bar.
3. See the response returned by the function displayed in the browser.