

First step in Azure SDK for JavaScript: create a ResourceGroup

<https://github.com/Azure/azure-sdk-for-js/blob/main/documentation/next-generation-quickstart.md>

1. Create a blank JavaScript application in VSCode

Navigate to the folder where to place the new JavaScript application

Open VSCode running the command

```
code .
```

Then create a **main.js** file

Now create the package.json file running this command:

```
npm init -y
```

Inside a the **main.js** file place a sample code

```
console.log("Hello World!");
```

Run the application typing the command:

```
node main.js
```

2. Load the application dependencies

```
npm i @azure/identity  
npm i @azure/arm-resources
```

3. Then input the application source code

```
'use strict';  
  
const resources = require("@azure/arm-resources");
```

```
const identity = require("@azure/identity");

const subscriptionId = process.env.AZURE_SUBSCRIPTION_ID;

const credential = new identity.DefaultAzureCredential();
const resourcesClient = new resources.ResourceManagementClient(credential, subscriptionId);

async function createResourceGroup(resourceGroupName) {
  const parameter = {
    location: "westeurope",
    tags: {
      tag1: "value1"
    }
  };
  const resourcesClient = new resources.ResourceManagementClient(credential, subscriptionId)
  await resourcesClient.resourceGroups.createOrUpdate(resourceGroupName, parameter).then(
    result => {
      console.log(result);
    }
  )
}

// Main function
function main() {

  createResourceGroup("luismyrgfromjavascript");

}

// Call the main function
main();
```

4. Run the application with the command

```
node main.js
```

This is the output you will get

The screenshot shows the Visual Studio Code editor with a project named "AZURE SDK FOR JAVASCRIPTPT CREATE A ...". The Explorer sidebar on the left shows the file structure: `node_modules`, `main.js`, `package-lock.json`, and `package.json`. The main editor displays the `main.js` file, which contains the following JavaScript code:

```
1 'use strict';
2
3 const resources = require("@azure/arm-resources");
4 const identity = require("@azure/identity");
5
6 const subscriptionId = process.env.AZURE_SUBSCRIPTION_ID;
7
8 const credential = new identity.DefaultAzureCredential();
9 const resourcesClient = new resources.ResourceManagementClient(credential, subscriptionId);
10
11 async function createResourceGroup(resourceGroupName) {
12     const parameter = {
13         location: "westeurope",
14         tags: {
15             tag1: "value1"
16         }
17     };
18     const resourcesClient = new resources.ResourceManagementClient(credential, subscriptionId);
19     await resourcesClient.resourceGroups.createOrUpdate(resourceGroupName, parameter).then(
20         result => {
21             console.log(result);
22         }
23     );
24 }
```

The bottom of the editor shows the TERMINAL pane with the following output:

```
PS C:\Azure SDK for JavaScriptpt Create a ResourceGroup> node main.js
{
  id: '/subscriptions/846901e6-da09-45c8-98ca-7cca2353ff0e/resourceGroups/luismyrgfromjavascript',
  name: 'luismyrgfromjavascript',
  type: 'Microsoft.Resources/resourceGroups',
  properties: { provisioningState: 'Succeeded' },
  location: 'westeurope',
  tags: { tag1: 'value1' }
}
```

