5.4 Azure App Service API Apps



This section will guide you to:

* Login to your Azure account and create a new API Management Service instance

**Development Environment:**

* Windows 10
* Windows Azure cloud

This guide has five subsections, namely:

5.4.1 Logging into your Azure account

5.4.2 Creating a new API Management Service instance

5.4.3 Importing an existing API service

5.4.4 Testing the service

5.4.5 Pushing the code to GitHub repositories

**Step 5.4.1:** Logging into your Azure account

* An Azure account has been enabled in your practice lab. Refer **DotNet Lab guide: Phase 4** to learn how to use the practice lab.
* Login to the Azure Portal with the Azure/Microsoft credentials provided in the lab.

**Step 5.4.2:** Creating a new API Management Service instance

* From the portal page, click on **Create a Resource**
* Search for **API Management** and click on it.
* In the next page click **Create.**
* In the API Management service form page, fill in **Name** with a globally unique name using alphanumeric characters and hyphen.
* For **Resource Group,** select an existing one or click **Create New.**
* Enter a valid value for **Organization name.**
* Click **Create.**
* Wait till the deployment is complete.

**Step 5.4.3:** Importing an existing API service

* From the portal page, go to the search for **API Management Services** and click on it.
* From the instances listed, click on the one you want.
* From the left bar of the Overview page, click on **APIs.**
* Select **OpenAPI specification** and click **Full** in the popup options.
* For **OpenAPI** specification, enter <https://conferenceapi.azurewebsites.net?format=json>.
* For **Display Name,** enter My Test API.
* For **Name,** enter my-test-api.
* For **Description,** enter any relevant description.
* Keep **URL Schema** as HTTPS.
* For **API URL Suffix,** enter mytest.
* For **Products,** type Unlimited.
* Click **Create.**

**Step 5.4.4:** Testing the service

* Once the API has been created, select the API from the list of APIs.
* Click on **Test** at the top.
* Click on **GetSpeakers** and click **Send.**
* The API will return with a status of 200 and some sample data.

**Step 5.4.5:** Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add .

Commit the changes using the following command:

git commit -m “Changes have been committed.”

Push the files to the folder you created initially using the following command:

git push -u origin master