# Practical Exercise: Inbound Endpoint

## Training Objective

Using WSO2 EI Tooling, practice configuring the core functionality of WSO2 EI: HTTP Inbound Endpoint.

You will expose the REST API you created in the previous lab exercise on a different port in WSO2 EI using the HTTP Inbound API.
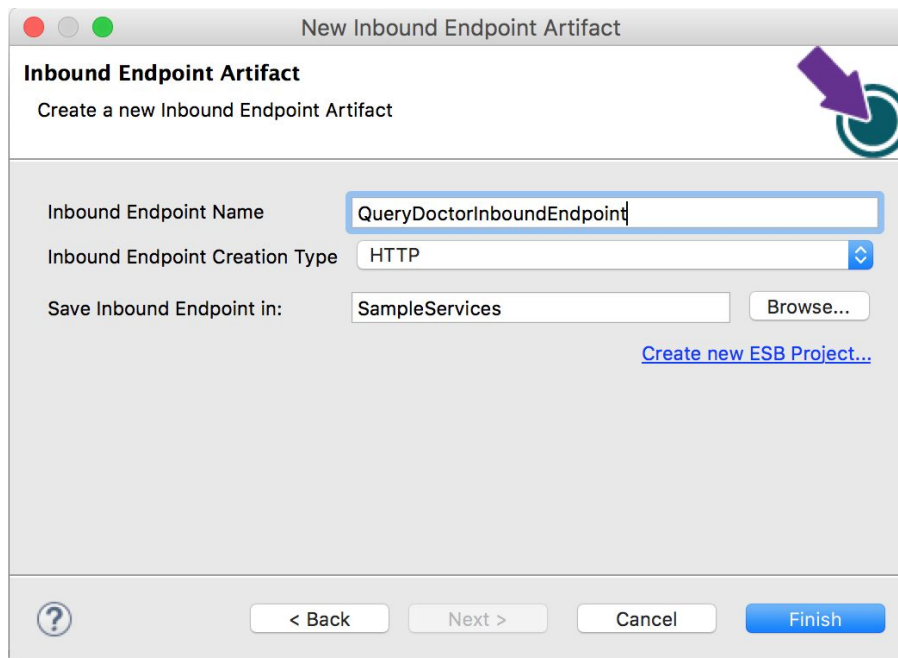
## High-level Steps

- Create an HTTP Inbound Endpoint
- Test your configuration

## Detailed Instructions

1. Right-click on SampleServices and navigate to **New -> Inbound Endpoint**. Select **Create A New Inbound Endpoint** and click **Next**.
2. Enter the following details and click **Finish**.

| Field | Value |
|---|---|
| Inbound Endpoint Name | QueryDoctorInboundEndpoint |
| Inbound Endpoint Creation Type | Select **HTTP** |

3. In **Design** view, access the **Properties** tab and enter the **Inbound HTTP port** as 8285.
4. You will be exposing the querydoctor REST API using this inbound endpoint. In
   **Dispatch Filter Pattern** provide the following:

   `/healthcare/querydoctor/.*`

   The endpoint will now get mapped to any URL that matches the above pattern
provided.

5. Save the configuration.

**Deploying the Artifacts in WSO2 EI**
1. Click the pom.xml file under SampleServicesCompositeApplication and open it with the Composite Application Project POM Editor
2. Select the newly added **QueryDoctorInboundEndpoint** from the list of artifacts.
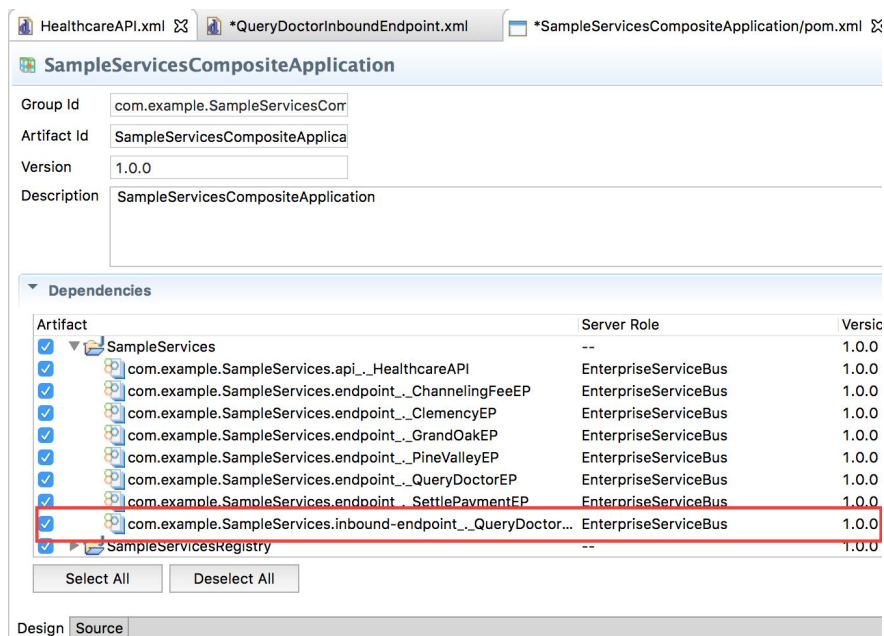
3. Save your changes.
4. On the **Servers** tab, expand the WSO2 Carbon server, right-click **SampleServicesCompositeApplication**, and choose **Redeploy**. The **Console** window will indicate that the CApp has been deployed successfully.
5. Open a command line terminal and execute the following command:
   ```
   curl -v http://localhost:8285/healthcare/querydoctor/surgery
   ```
6. You will see the following response:
   ```
   [{"name":"thomas collins","hospital":"grand oak community
      hospital","category":"surgery","availability":"9.00 a.m -
      11.00 a.m","fee":7000.0},
    {"name":"anne clement","hospital":"clemency medical
      center","category":"surgery","availability":"8.00 a.m -
   10.00
      A.m","fee":12000.0},
    {"name":"seth mears","hospital":"pine valley community
      hospital","category":"surgery","availability":"3.00 p.m -
      5.00 p.m","fee":8000.0}]
   ```