

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.

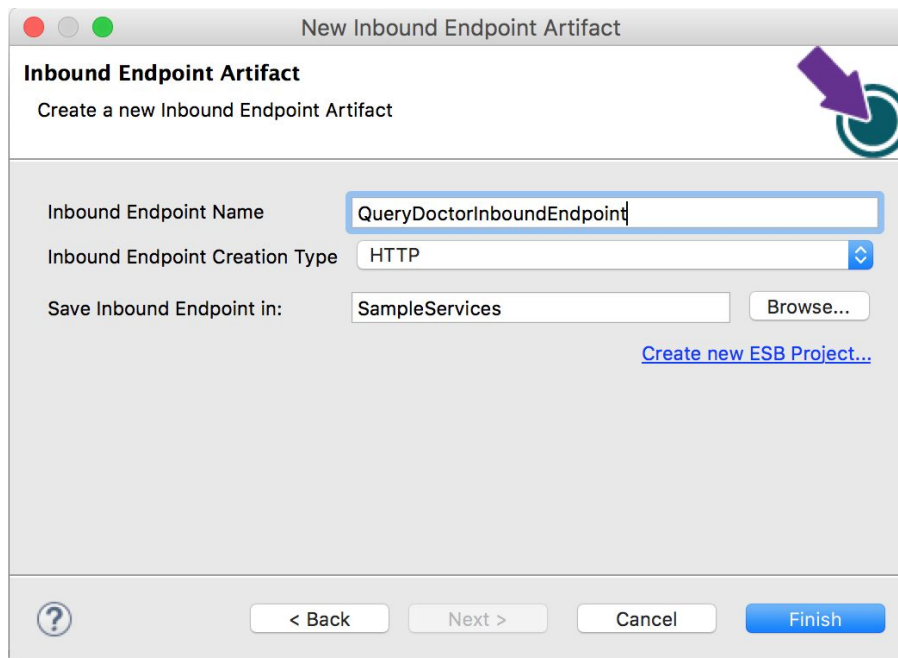
High-level Steps

- 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



New Inbound Endpoint Artifact

Inbound Endpoint Artifact
Create a new Inbound Endpoint Artifact

Inbound Endpoint Name: QueryDoctorInboundEndpoint

Inbound Endpoint Creation Type: HTTP

Save Inbound Endpoint in: SampleServices [Browse...](#)

[Create new ESB Project...](#)

[?](#) [< Back](#) [Next >](#) [Cancel](#) [Finish](#)

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.

HealthcareAPI.xml *QueryDoctorInboundEndpoint.xml

Palette Mediators Links Defined Sequ...

Design Source

Properties Servers Console

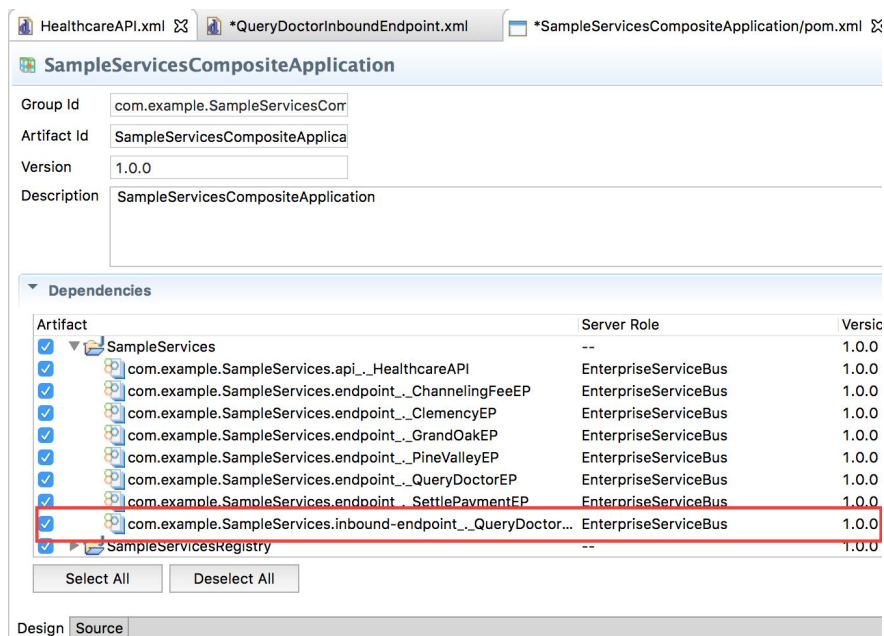
InboundEndpoint

Property	Value
Core	
Appearance	
Misc	
Name	QueryDoctorInboundEndpoint
Type	HTTP
Suspend	false
Trace Enabled	false
Statistics Enabled	false
Parameters	
Inbound Http Port	8285
Inbound Worker Pool Size Core	
Inbound Worker Pool Size Max	
Inbound Worker Thread Keep Alive Sec	
Inbound Worker Pool Queue Length	
Inbound Thread Group Id	
Inbound Thread Id	
Dispatch Filter Pattern	/healthcare/querydoctor/*

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:
6. You will see the following response:

```
curl -v http://localhost:8285/healthcare/querydoctor/surgery
```

```
[{"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}]
```