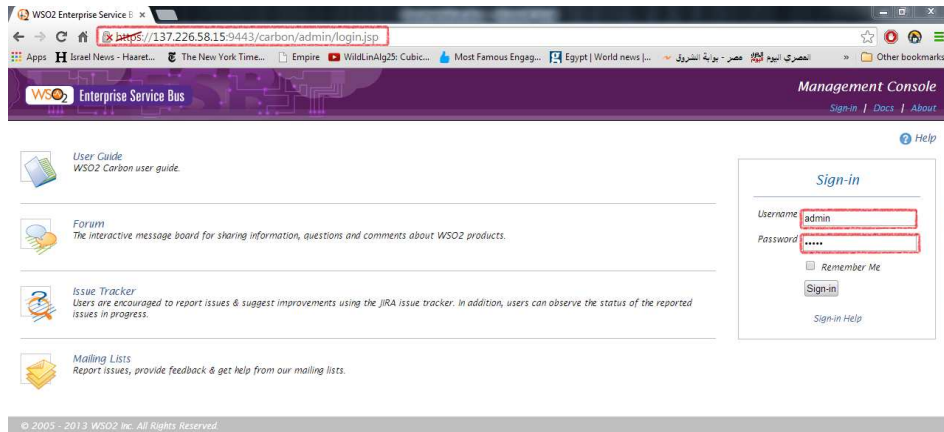
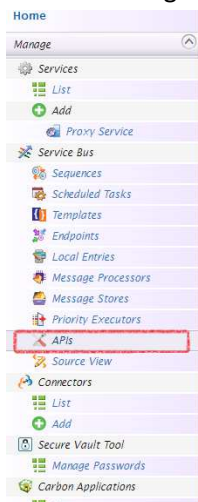


## Configuring REST endpoints in the ESB :

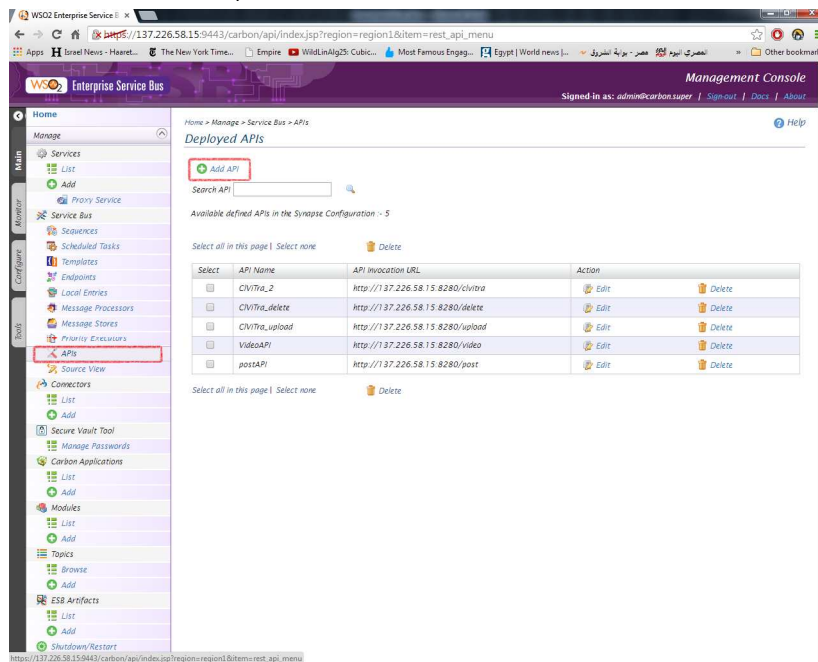
1. From your browser, Navigate to ( <https://api.learning-layers.eu:9443/>)
2. Sign-in with your Username and Password



3. From the navigation tab on the left, select **APIs** listed under **Manage/ServiceBus**



4. In “APIs Page” you will find all deployed RESTful APIs listed
5. To create a new API, click **Add API**



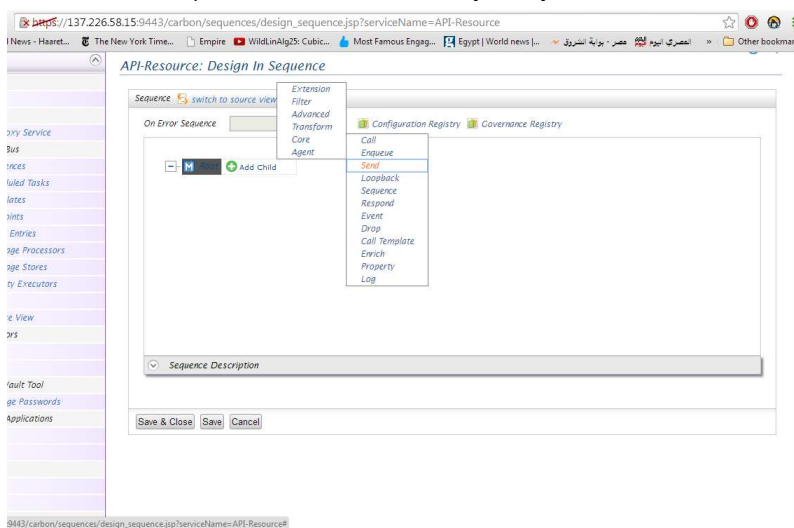
6. You will be navigated to “Add API” Design View
7. In “**API Name:**” field, type the name of the RESTful API you want to create.
8. In the “**Context**” field, type the name you want your service published under. This will be the name used to access invoke the service
9. In order to add different resources to your service, Click **Add Resource**



10. A resource adding form will appear
11. Choose the RESTful request (Get,Post,DeleteOptions) you want to map for this resource
12. Type the expected URL template that you desire to publish
13. To define the Back-end-Service URL that this resource would be routed to
  - a. Go under “**In Sequence**”, select **Define Inline**
  - b. Click **Create**

The screenshot shows a web form for configuring an API resource. The 'Resource' section has 'GET' selected under 'Methods' and '/getdetail/{id}' in the 'URI-Template' field. The 'In Sequence' section has 'Define Inline' selected, and a red box highlights the 'Create' button next to it. Other sections like 'Out Sequence' and 'Fault Sequence' are also visible with 'None' selected.

14. You will be navigated to the “Design In Sequence” view
15. Select **Add Child**, From the menu select **/Core/Send**

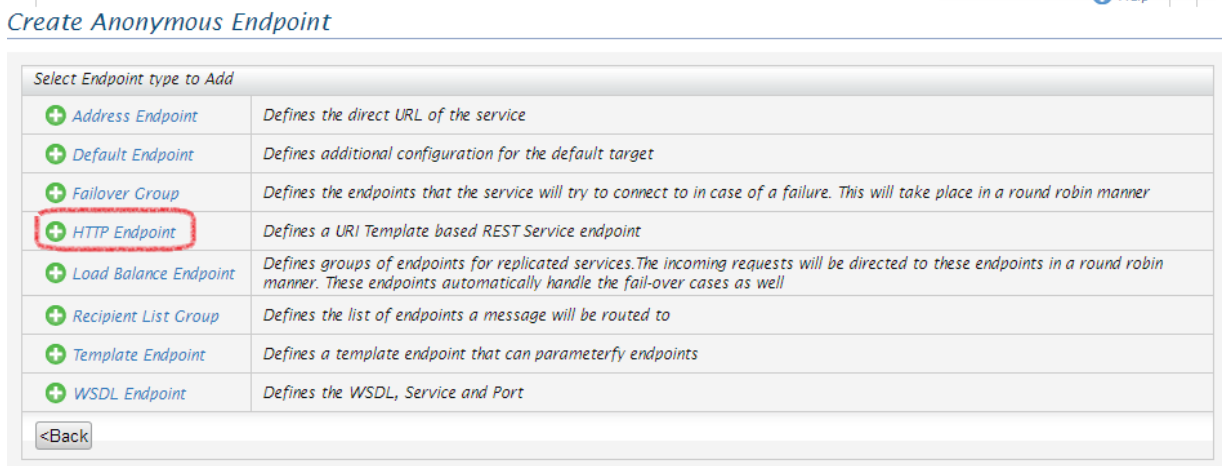


16. Under “Send Mediator”, Select **Define Inline**



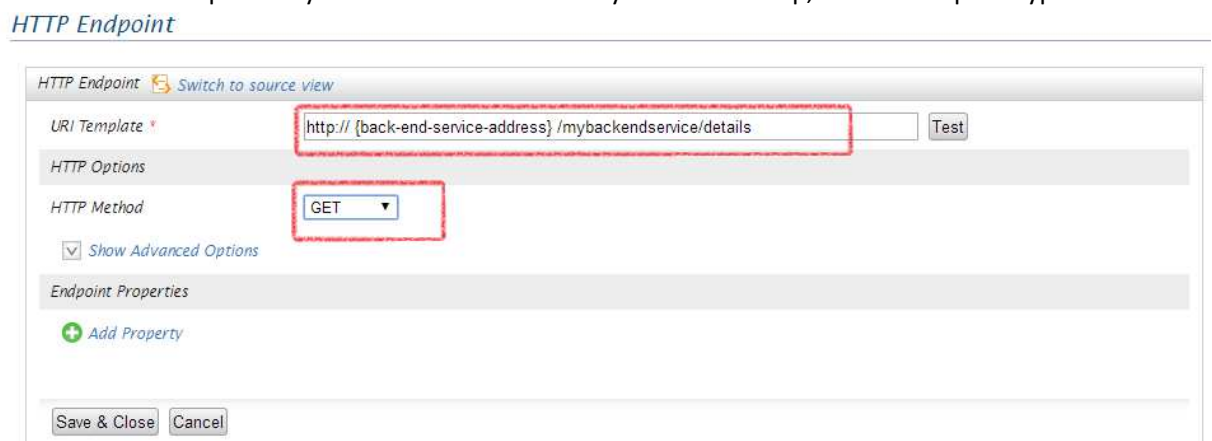
The "Send Mediator" configuration window is shown. Under "Select Endpoint Type", the "Define Inline" option is selected and highlighted with a red rectangle. Other options include "None", "Pick From Registry", and "XPath". Below this, "Receiving Sequence Type" has "Default" selected. The "Build Message Before Sending" dropdown is set to "No". An "Update" button is at the bottom left, and "Save & Close", "Save", and "Cancel" buttons are at the bottom right.

17. Select **HTTP Endpoint** as the Endpoint type to add



The "Create Anonymous Endpoint" window is shown. It lists various endpoint types with descriptions. The "HTTP Endpoint" option is selected and highlighted with a red rectangle. Other options include "Address Endpoint", "Default Endpoint", "Failover Group", "Load Balance Endpoint", "Recipient List Group", "Template Endpoint", and "WSDL Endpoint". A "<Back" button is at the bottom left.

18. Fill in the URL Template of your backend service that you want to map, and the Request type

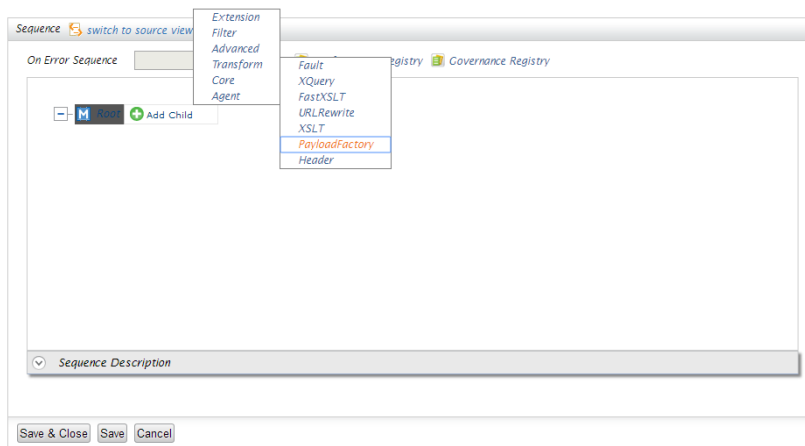


The "HTTP Endpoint" configuration window is shown. The "URI Template" field is filled with "http://{back-end-service-address}/mybackendservice/details" and highlighted with a red rectangle. The "HTTP Method" dropdown is set to "GET" and also highlighted with a red rectangle. Other fields include "HTTP Options", "Show Advanced Options" (checked), and "Endpoint Properties" with an "Add Property" button. "Save & Close" and "Cancel" buttons are at the bottom.

## Mapping different Payloads using Payload Factory:

If your back-end service and the service API accepts different payloads. Conversion of the payload format is done using the <payloadFactory> mediator.

1. Go under “In Sequence”, select **Define Inline**
2. Click **Create**
3. You will be navigated to the “Design In Sequence” view
4. Select **Add Child**, From the menu select **/Transform/ PayloadFactory**



5. In the **PayloadFactory Mediator**, select the media type
6. Under “**Payload**” field select **Define inline**, Enter the payload format for the back-end
7. Use add arguments to create the payload your service should provide

*PayloadFactory Mediator*

Payload Media-Type: json

Payload Format:

☒ Define inline

```
{ title: "$1", body: "$2", userId: "$3" }
```

☐ Pick From Registry

**Arguments**

Argument Index	Argument Type	Evaluator	Argument Value/Expression	Namespace Editor	Action
1	Expression	json	/title		Delete
2	Expression	json	/body		Delete
3	Expression	json	/user		Delete

Update

Save & Close Save Cancel

For more information about the REST API please consult

(<https://docs.wso2.com/display/ESB460/Using+the+REST+API#UsingtheRESTAPI-ExposingaBack-EndRESTServiceUsingaDifferentAPI>)