

---

## Hands-on Lab:

### Export and Import Bookstore\_ApiKey API with Application

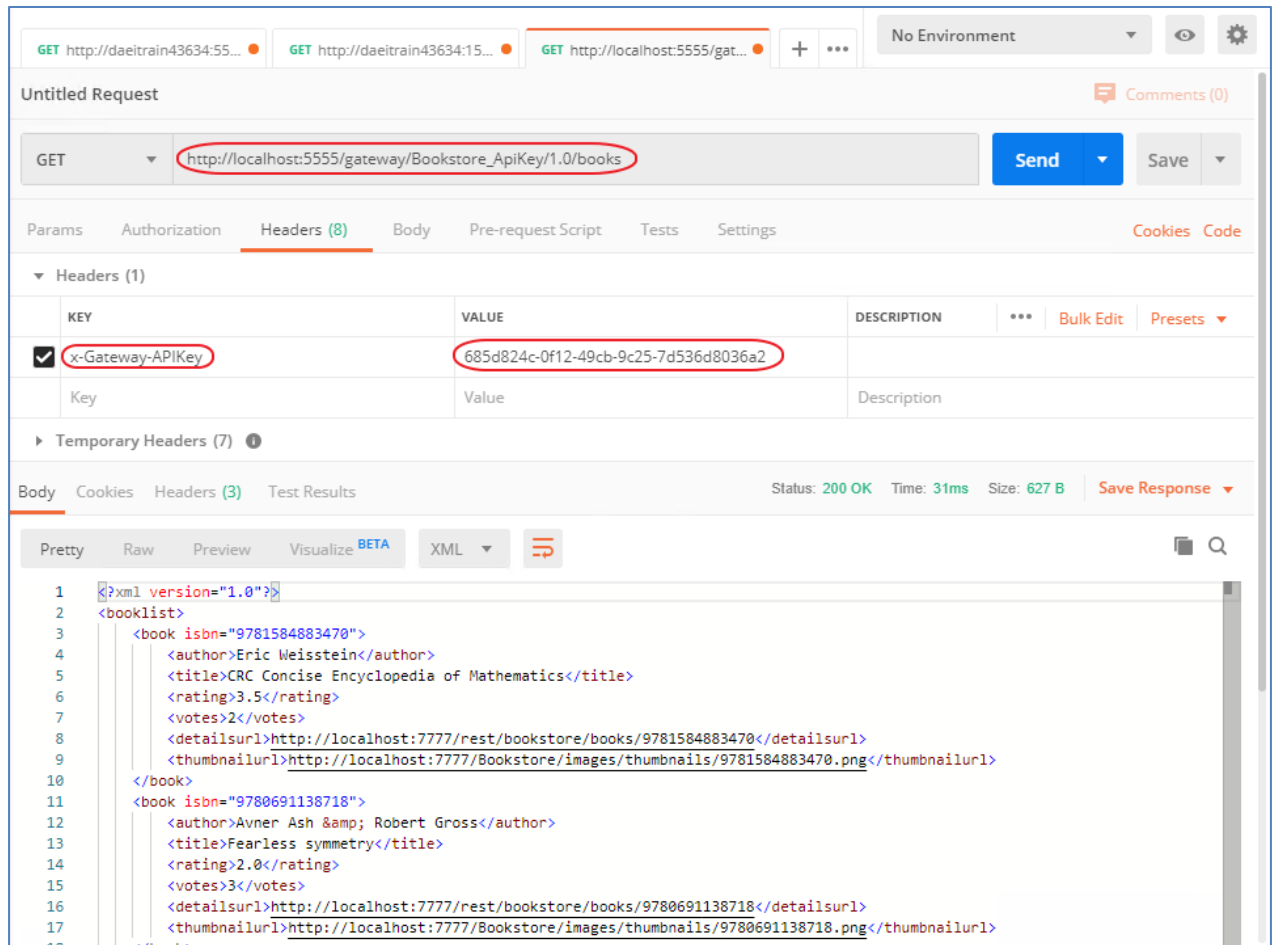
#### Objectives

In this hands-on lab, you will export the **Bookstore\_ApiKey** API on the **API Gateway Dev Stage** and import it on the **API Gateway Prod Stage** – including an application with API key.

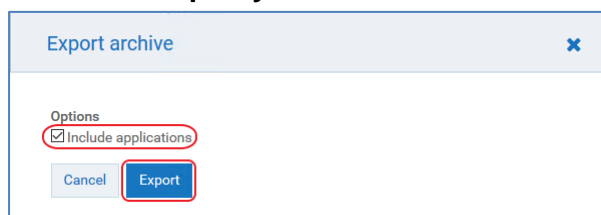
#### Steps

1. Open Windows Services UI to double check that the following services, needed for API Gateway and the native services, are up and running. If service is not running, start the service.
  - a) **Software AG Dev Stage Integration Server 10.5**
  - b) **Software AG Prod Stage Integration Server 10.5**
  - c) **Software AG Internal Integration Server 10.5**
2. Logon to **API Gateway Dev** as user **Administrator/manage**. Navigate to **APIs**. From the list of APIs select **Bookstore\_ApiKey** and switch to **Edit** mode. Confirm with **Yes**.
3. Navigate to **Policies**.
4. Navigate to **Identify & Access** and add an **Identify & Authorize Application** policy with the following properties:
  - a) **Identification Type:** API Key
  - b) **Application Lookup condition:** Registered applications
5. Click **Save**.
6. Navigate to **Applications**, create an application named **BookstoreApp\_ApiKey**, and assign it to the **Bookstore\_ApiKey** API. Copy the **API key** to the clipboard.
7. Open **Postman REST client** and configure a GET request against the **Bookstore\_ApiKey** API.
  - a) **Method:** GET
  - b) **URL:** http://localhost:5555/gateway/Bookstore\_ApiKey/1.0/books
  - c) **Custom Header:**  
**x-Gateway-APIKey:** <paste value of API key from API Gateway>

8. Run the request pressing the **Send** button.



9. In **API Gateway Dev**, navigate to **APIs** and click on the **Export** icon of the **Bookstore\_ApiKey** API.



10. Select **Include applications** and click on **Export**.
11. Select **Save File** and click on **OK**. This will create an export of the API any save it under the name **Bookstore\_ApiKey.zip** in the **Downloads** folder. You might want to unzip the archive file and explore its content (API and application).
12. In a new private browser window, logon to **API Gateway Prod** as user **Administrator/manage**.

13. In the User Menu, select **Import**. Click on **Browse** and select the **Bookstore\_ApiKey.zip** file in the Downloads folder and click on **Import**.

Import report

✓ Import completed

Type	✓ Successful	✗ Unsuccessful	↻ Replaced	⚠ Warning
APIs	1	0	0	0
Applications	1	0	0	0
Policies	1	0	0	0
Policy Action	4	0	0	0

[Download the detailed report here>](#)

Close

14. Click on **Close**.
15. Navigate to **APIs** in the header section.
16. Click on **Bookstore\_ApiKey** to inspect the imported **Bookstore\_ApiKey** API.
17. Navigate to **Policies > Identify & Access** and check that the **Identify & Authorize Application** policy was also imported correctly.
18. Navigate to **Applications** and check that the **BookstoreApp\_ApiKey** application was also imported correctly.
19. Navigate back to **API details** and copy the gateway endpoint.
20. Go back to **Postman REST client** and configure a GET request against the **Bookstore\_ApiKey** API on the **API Gateway Prod Stage** using the same **API key** as before.

21. Run the request pressing the **Send** button.

The screenshot shows a REST client interface with the following details:

- Request Method:** GET
- URL:** `http://daeitrain43634:15555/gateway/Bookstore_ApiKey/1.0/books`
- Headers:**
  - Key:** `x-Gateway-APIKey`
  - Value:** `685d824c-0f12-49cb-9c25-7d536d8036a2`
- Body:** XML format showing a list of books:

```
1 <?xml version="1.0"?>
2 <booklist>
3   <book isbn="9781584883470">
4     <author>Eric Weisstein</author>
5     <title>CRC Concise Encyclopedia of Mathematics</title>
6     <rating>3.5</rating>
7     <votes>2</votes>
8     <detailsurl>http://localhost:7777/rest/bookstore/books/9781584883470</detailsurl>
9     <thumbnailurl>http://localhost:7777/Bookstore/images/thumbnails/9781584883470.png</thumbnailurl>
10  </book>
11  <book isbn="9780691138718">
12    <author>Avner Ash & Robert Gross</author>
13    <title>Fearless symmetry</title>
14    <rating>2.0</rating>
15    <votes>3</votes>
16    <detailsurl>http://localhost:7777/rest/bookstore/books/9780691138718</detailsurl>
17    <thumbnailurl>http://localhost:7777/Bookstore/images/thumbnails/9780691138718.png</thumbnailurl>
```