Hands-On Lab:

Adding a Logging Policy

Objectives

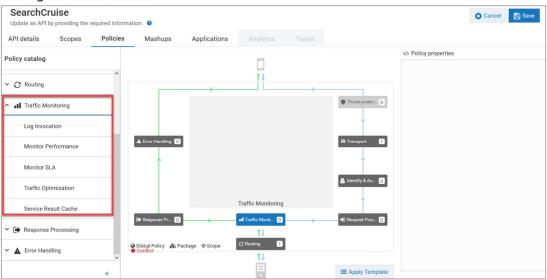
In this hands-on lab, you will learn how to provide an API runtime policy which enforces the API Gateway to log the message request body.

Steps

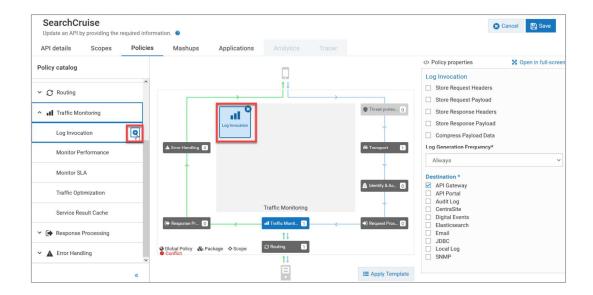
- 1) Open the **Windows Services** panel to double-check that the following services, needed for API Gateway and the native services, are up and running. If a service is not running, start the service.
 - a) Software AG Integration Server 10.11 (default)
 - b) Software AG Runtime 10.11
- 2) In a browser tab, login to the API Gateway UI as user **Sumala** | **manage** and configure monitoring policies for the service SearchCruise:
 - a) On the Manage APIs page, select the API SearchCruise. This will open the details view of the SearchCruise API.



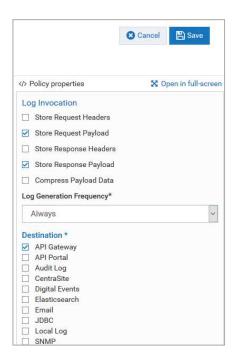
- b) Click **Edit** to open the API in Edit mode. Confirm with **Yes**.
- Navigate to the API's **Policies** tab. Expand **Traffic Monitoring** in the left-hand Policy catalog.



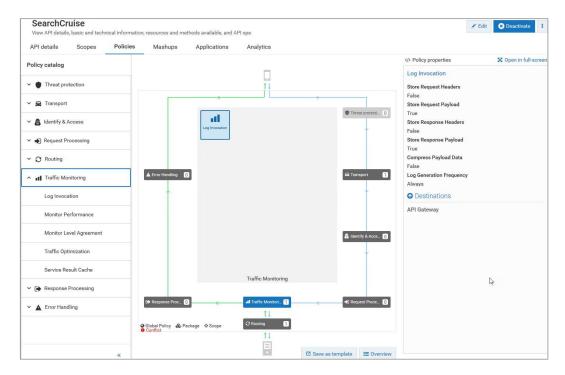
d) In the Policy catalog section, click on the + sign next to policy **Log Invocation**. This will add a policy of this type to the policy stages diagram and open the policy properties in the panel titled </> Policy properties.



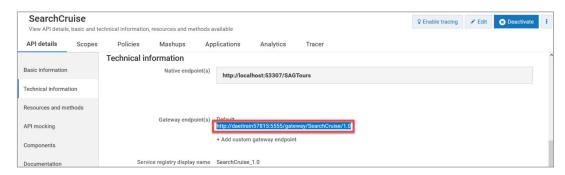
- e) Adjust the following properties:
 - i) Store Request Payload: < selected>
 - ii) Store Response Payload: <**selected**>
 - iii) Log Generation Frequency: Always
 - iv) Destination: API Gateway



f) Click Save.



g) Open tab **API details** to copy the **Gateway endpoint** within the **Technical information** section into the clipboard.



Note: The hostname within the URL will be depended on your environment.

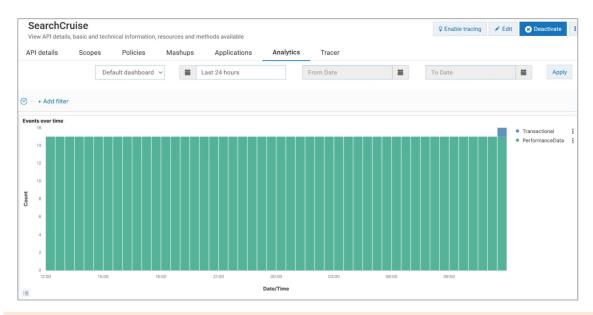
- 3) Switch to **Postman** and create a request against our API like this:
 - a) Method: **GET**

http://<hostname>:5555/gateway/SearchCruise/1.0/cruises

c) Headers: Accept: application/json

Run the request pressing the **Send** button. Ensure a status of **200** - **OK** and cruise data is returned.

4) Now we look for the log data in API Gateway. Go back to **API Gateway** and select the API **SearchCruise**. Open tab **Analytics**.

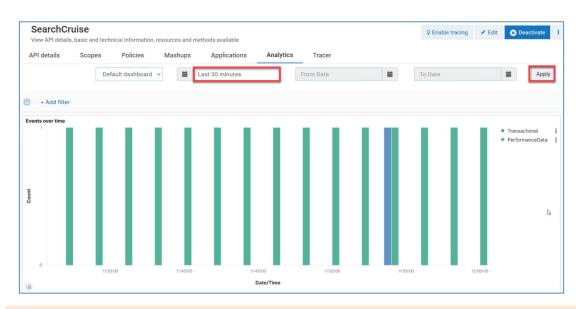


Note: Your graph probably will look somewhat different.

a) Refine the filter condition:

Time Range: Last 30 minutes

Hit Apply.



Note: Your graph probably will look somewhat different.

b) Scroll down to view the provided data in the dashboards like **Native service** performance, **API trend by response**, ...

c) Scroll down to section **Runtime events**. Select an event of type **Transactional**. If necessary, click icon to switch to full-screen mode:



Click the "greater than" (>) at the beginning of the row. This will open the details for this event. Click on View event with payload.



To see the logged returned payload sroll down to property **nativeResPayload**.



5) Log out from API Gateway.