Pre-Production Connectivity Testing: Market Information Management (MIM) Application Programming Interface (API) Using API Tool

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Preface

This document outlines the test cases to be executed as part of the pre-production connectivity testing phase for the applications that are impacted by the Market Renewal Program (MRP). The primary objective is to assess and validate the connectivity of the systems whose endpoints are changing in the environment.

Please ensure any anomalies, disruptions, or irregularities discovered while performing the pre-production connectivity test are reported via qTest or the Issue Log Template. This will contribute significantly to the overall improvement of the IESO tools.

Precondition:

1. **API Credentials (username and password) to access**
   https://webservices.ieso.ca/mim2

Notes:

1. **The API tool used to demonstrate the test cases in this document is Tosca's API Scan. Users may choose to test with this tool or any other web service tool of their choice.**

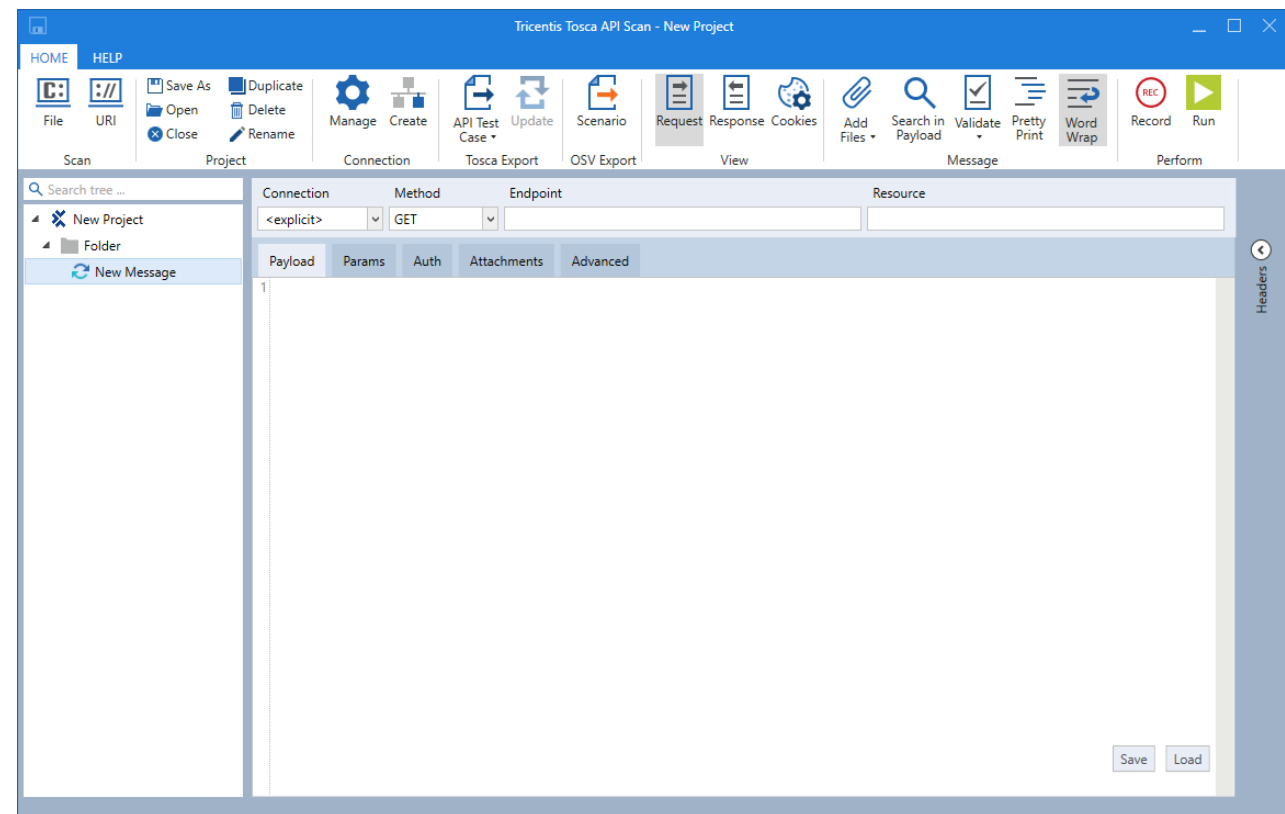# TC01 - Access MIM API Using API Tool

Step	User Instruction	Expected Result
1	Open the API tool of your choice. In this example, instructions for testing are provided using **Tosca's API Scan** tool.	The API tool **(API Scan)** is opened.

Step	User Instruction	Expected Result
2	Set the following configurations within the API Tool to connect: **Method:** POST **Endpoint:** https://webservices.ieso.ca/mim2 **Authentication:** Basic **Username:** [API username] **Password:** [API password]	Within **Tosca's API Scan** tool, the configurations would look as follows:
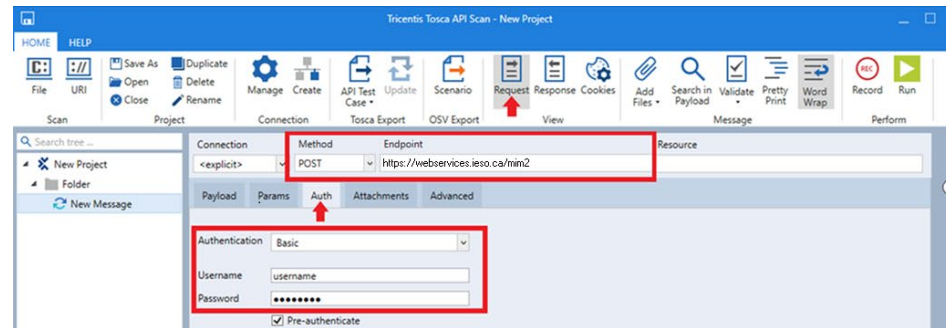
3	Download and then load the **HealthCheckQuery.xml** file into the Payload section.	Click **Payload** in Tosca's API Scan tool and select **Load** at the bottom right. Load the **HealthCheckQuery.xml** file.

Payload file available for download at: https://www.ieso.ca/en/Market-Renewal/Market-Participant-Readiness/Market-Participant-Testing
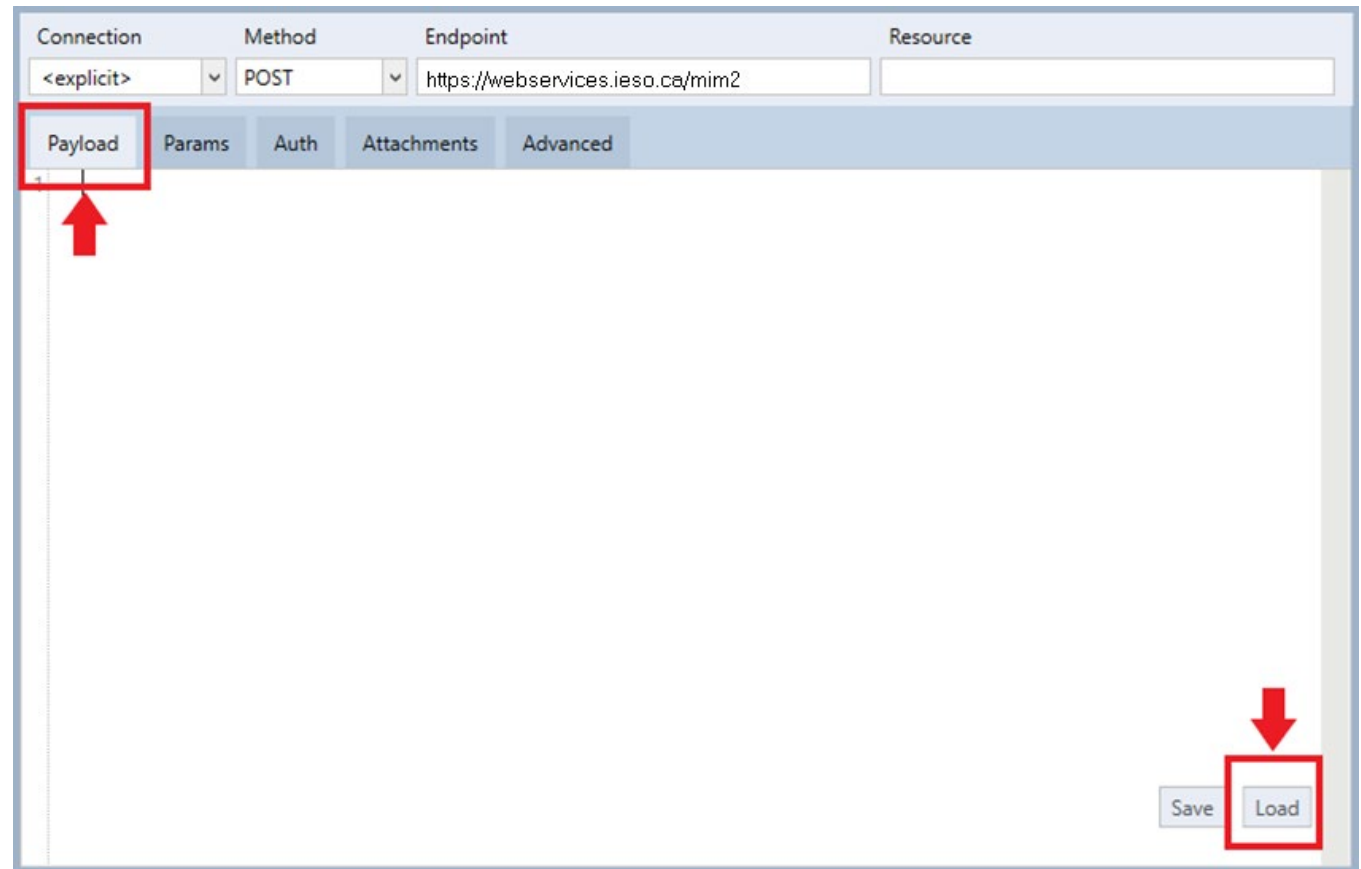
Once loaded, the payload should look similar to this:

Step	User Instruction	Expected Result

| 4 | Run the health check request by clicking **Run** within the API tool. | The **Run** option is found in the top right corner of the tool. |
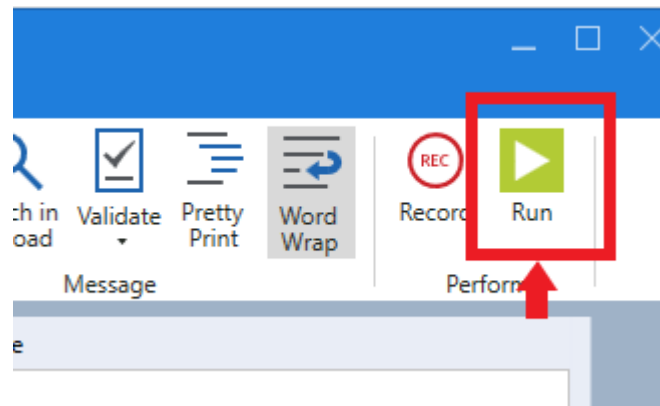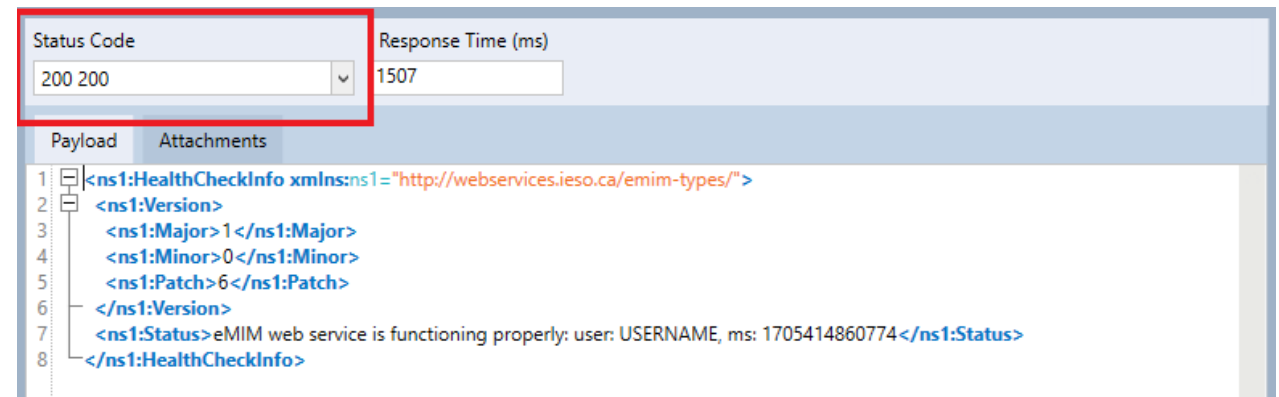
Step	User Instruction	Expected Result
5	Confirm a successful response from the health check request was received to ensure a successful login.	If the health check request is successful, confirm **Status Code** of **200 200** is received. The response payload file should look similar to this:
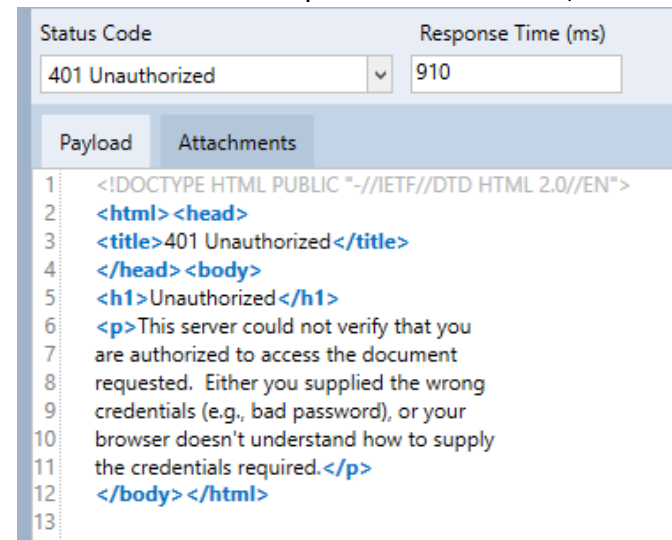
If the health check request is unsuccessful, **Status Code** will show an **401 Unauthorized** error.

Additional Resources

Reference materials on the MIM API System are available here:

- MIM API: XSD

- MIM API: WSDL

- MIM Sample Request and Response Files

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