
Connectivity Testing: IESO Reports Site – Application Programming Interface (API)

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Preface

This document outlines the test cases to be executed as part of the connectivity testing phase for the applications impacted by the Market Renewal Program (MRP). In this phase of testing, the primary objective is to assess and validate the connectivity components of the systems. Comprehensive functional testing phases will be scheduled for a future date and is not in scope of this test.

Please ensure any anomalies, disruptions, or irregularities discovered while performing the connectivity testing are documented in the qTest or 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://reports-sandbox.ieso.ca/api/v1.1/files>**

Notes:

- 1. The API tool used to demonstrate the test cases in this document is [Tosca's API Scan](#). User may choose to test with this tool or any other web service tool of their choice.**
- 2. The SFTP tool used to demonstrate the test cases in this document is [WinSCP](#). User may choose to test with this tool or any other SFTP client tool of their choice.**

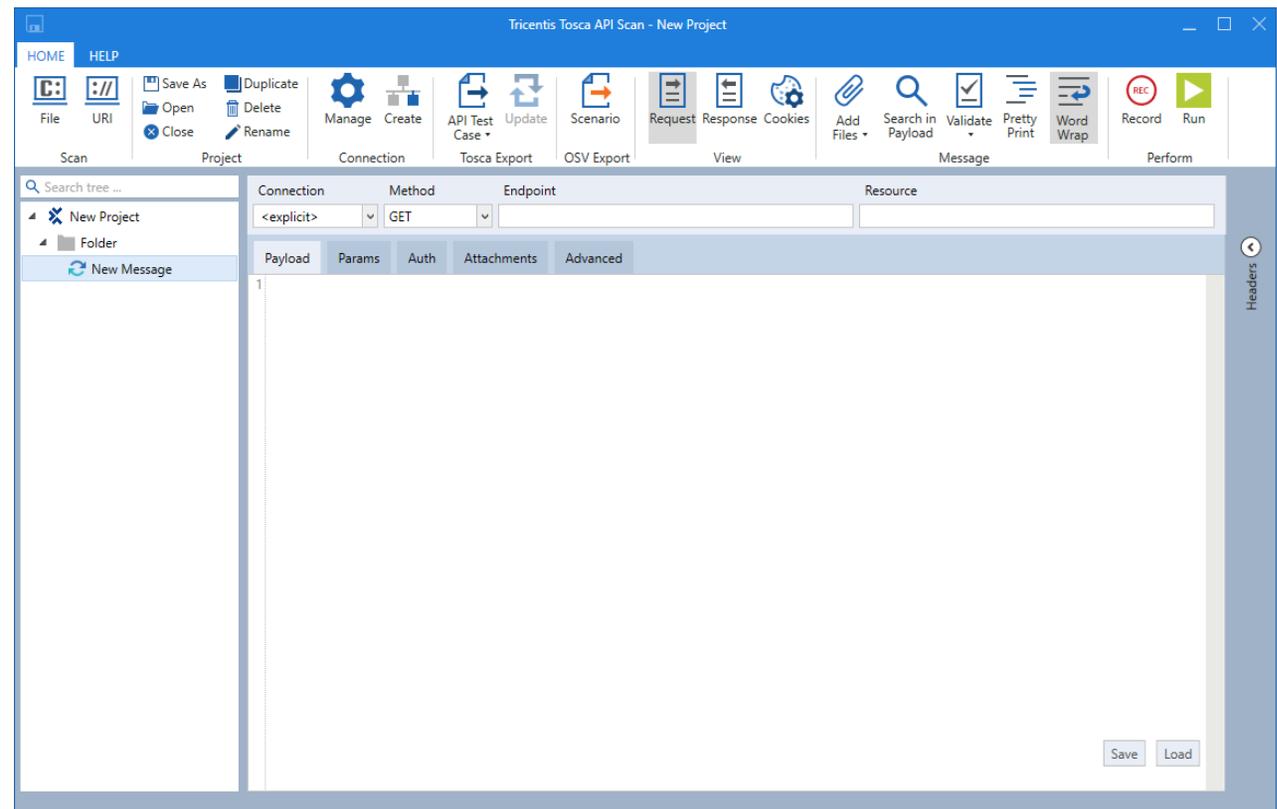
TC01 - Access IESO Reports Using Web API

Step User Instruction

Expected Result

- 1 Open the web service tool of your choice. In this example, instructions for testing are provided using **Tosca's API Scan** tool.

The web service application (**API Scan**) is opened.



Step User Instruction

Expected Result

- 2 Set the following configurations within the API tool to connect:

Method: GET

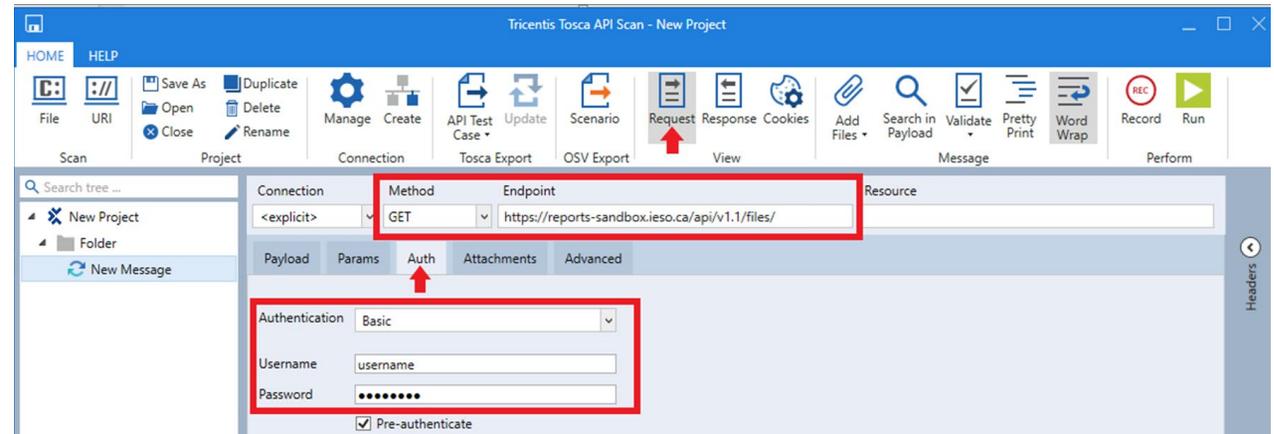
Endpoint: `https://reports-sandbox.ieso.ca/api/v1.1/files/s/`

Authentication: Basic

Username: `[API username]`

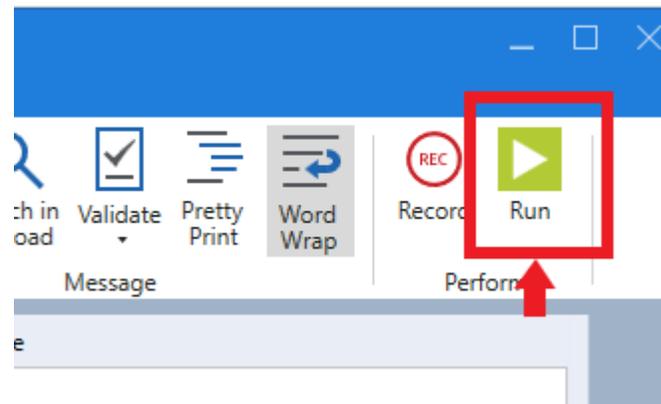
Password: `[API password]`

Within **Tosca's API Scan** tool, the configurations would look as follows:



- 3 Run the login request by clicking **Run** within the API tool.

The **Run** option is found in the top right corner of the tool.

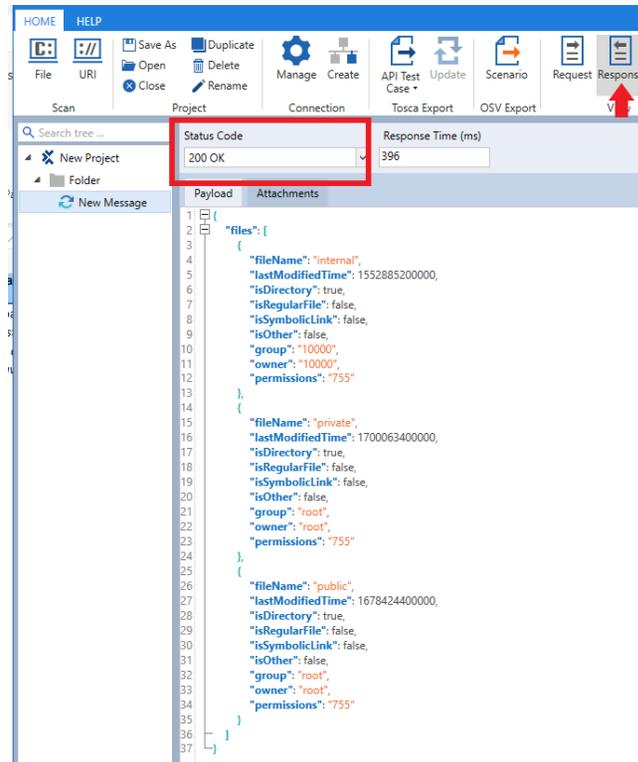


Step User Instruction

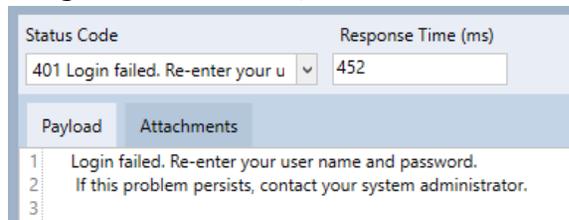
Expected Result

- 4 Confirm that a successful response from the login request was sent.

If login is successful, confirm **Status Code** of **200 OK** is received. The response file should list all the folders the user has access to as shown below.



If login is unsuccessful, **Status Code** will show **401 Login Failed** error.



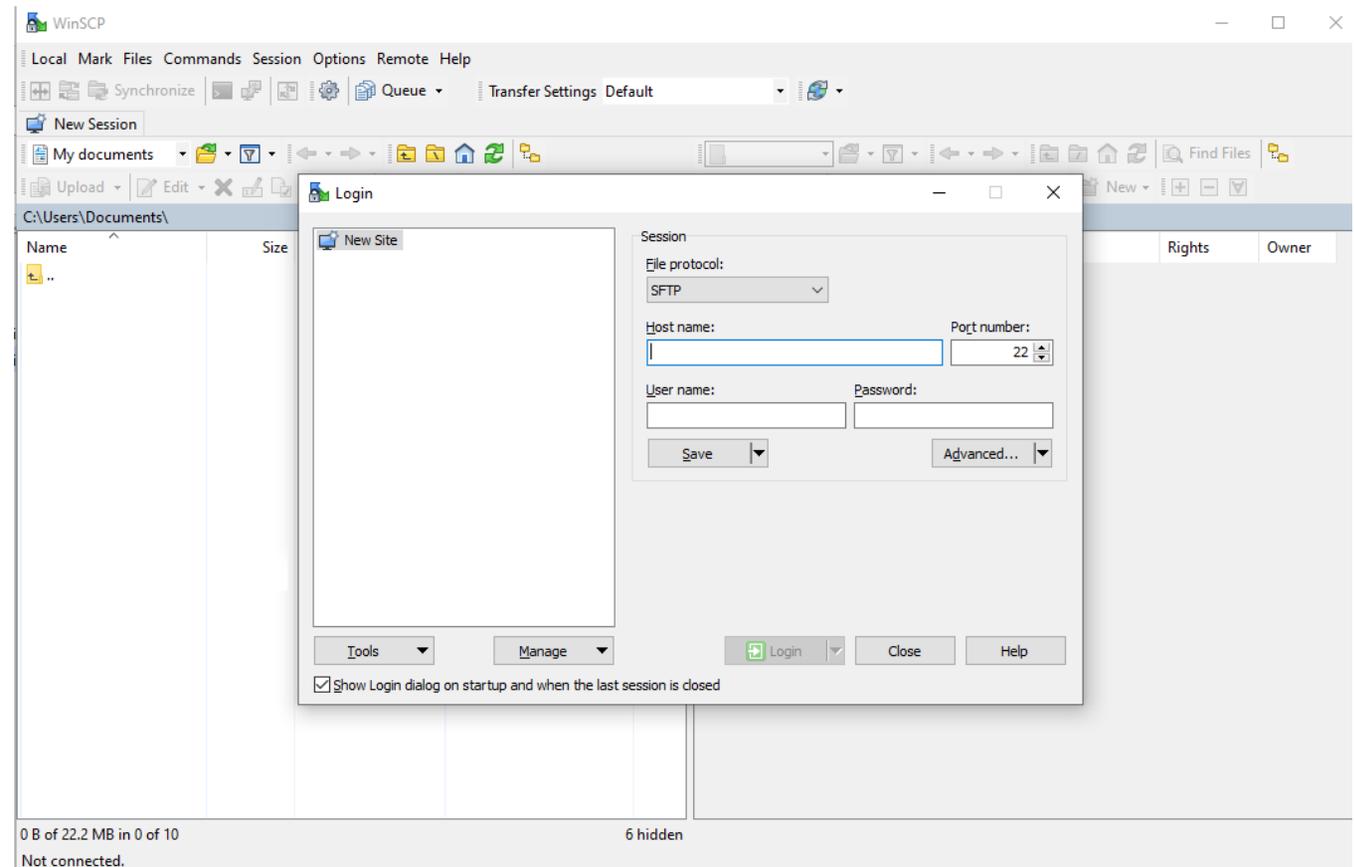
TC02 - Access IESO Reports Using Secure File Transfer Protocol (SFTP)

Step User Instruction

Expected Result

- 1 Open the SFTP client program of your choice. In this example, instructions for testing are provided using **WinSCP** on Windows.

WinSCP should open with the login page.



Step User Instruction

Expected Result

- 2 Set the following login information within **WinSCP** to connect:

File Protocol: SFTP

Host name:

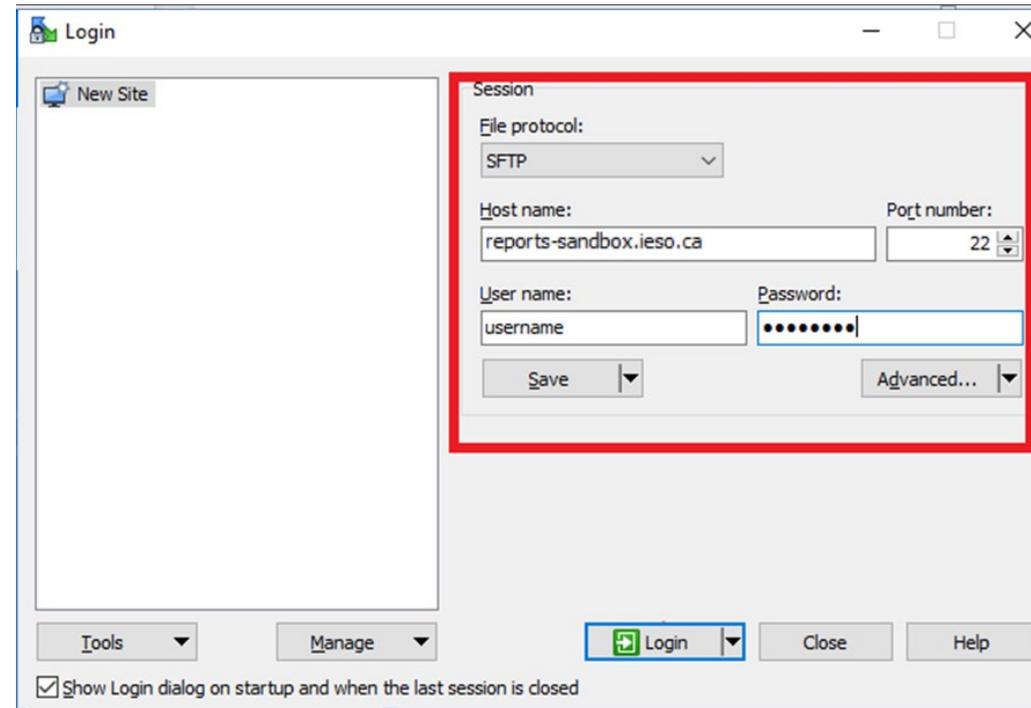
reports-sandbox.ieso.ca

Port number: 22

Username: *[API username]*

Password: *[API password]*

Within **WinSCP** tool, the configurations would look as follows:

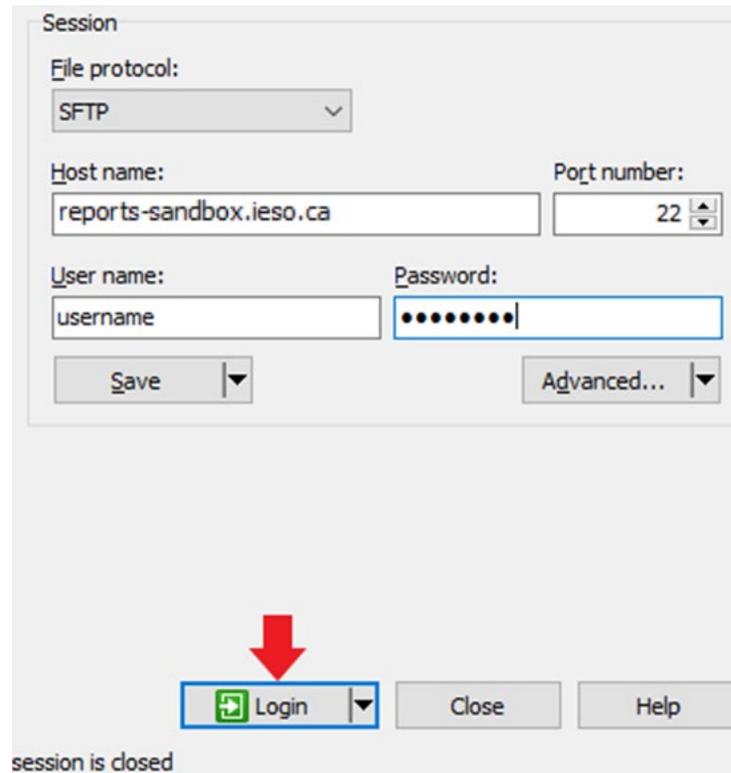


Step User Instruction

Expected Result

3 Click **Login** to connect.

The **Login** option is found in the bottom of the login window.



The screenshot shows a 'Session' configuration window. At the top, it is titled 'Session'. Below the title, there are several input fields: 'File protocol:' with a dropdown menu set to 'SFTP'; 'Host name:' with a text box containing 'reports-sandbox.ieso.ca'; 'Port number:' with a spinner box set to '22'; 'User name:' with a text box containing 'username'; and 'Password:' with a text box containing ten dots. Below these fields are two buttons: 'Save' and 'Advanced...'. At the bottom of the window, there are three buttons: 'Login', 'Close', and 'Help'. A red arrow points to the 'Login' button, which is highlighted with a blue border. The text 'session is closed' is visible at the bottom left of the window.

Step	User Instruction	Expected Result
4	Confirm that the folders that user has access to, are visible on the right panel of the window.	If login is successful, the folders the user has access to will be seen on the right panel of the window.



Additional Resources

Training material on the IESO Reports Site is available here:

- [IESO Reports API Guide](#)

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