

TestPowerCast: PowerCast Client Application

This document provides guidance in testing the PowerCast Hub Web Server and PowerScribe Connector application.

TestPowerCast Application


TestPowerCast is a Windows Forms application that is provided with the "RadWhere Integration Components" installer. It will be installed by default in the following folder: C:\Program Files\Nuance\Nuance PowerScribeOne Integration Component. This application allows the tester to test the basic functionality of the PowerCast Hub which includes:

1. Auth0 authorization
2. Subscribing/Unsubscribing to a topic
3. Opening/closing a report in PowerScribe
4. Get Report Context
5. Updating a report by adding/removing Studies and Observations

Additionally, the test application will allow testing of the PowerScribe Connector's ability to launch PowerScribe One.

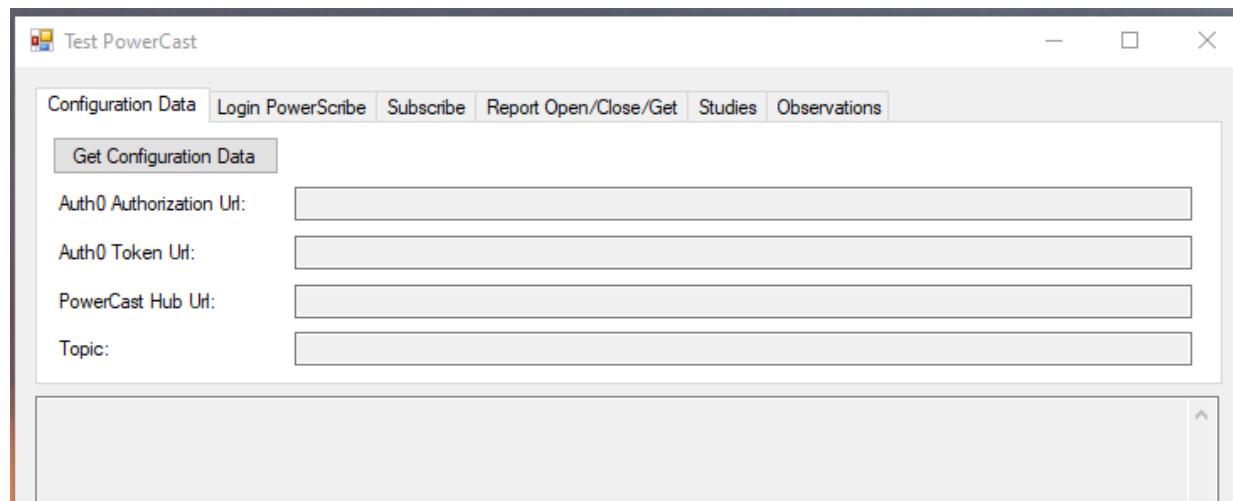
Getting Started

Requirements: Make sure that PowerScribe One, PowerScribe Connector and TestPowerCast are all installed. If testing app launch, make sure the PowerCast Connector is started. If started properly, you should see a console application on the screen that quickly get minimized to the system tray. The

icon looks like this:  Click on this icon to make the connector visible.

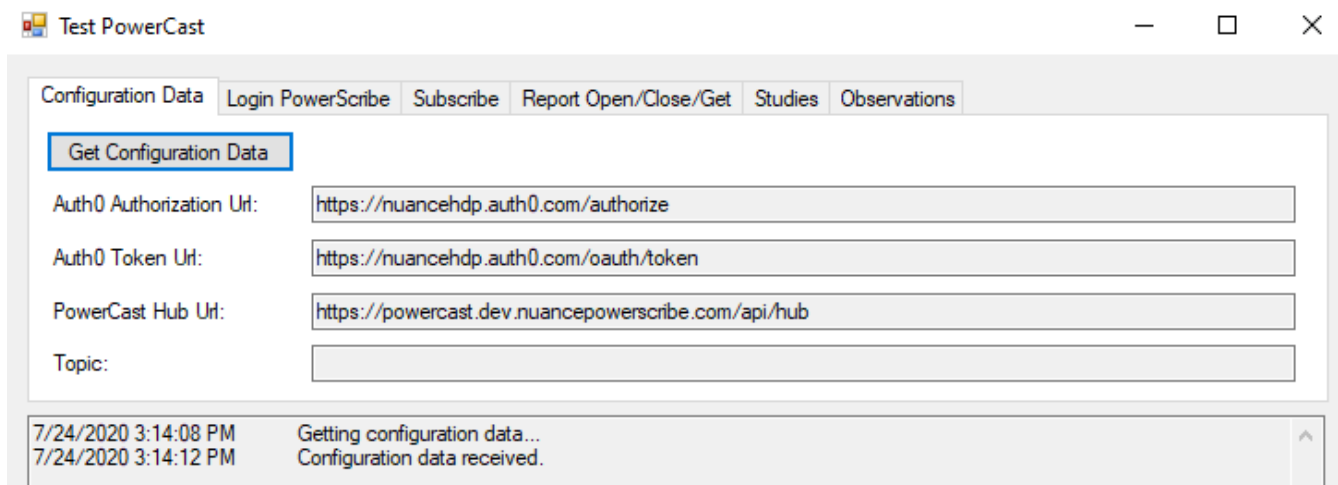
When the TestPowerCast application is started, you will be presented with the following screen. The tab section on top contains the following tab pages:

1. **Configuration Data** - retrieve URIs and other configuration data from the PowerCast Connector
2. **Login PowerScribe** - Request to the PowerCast Connector to log a user into PowerScribe
3. **Subscribe** - Subscribe to a topic on the PowerCast Hub
4. **Report Open/Close/Get** - Issue Notification events to the Hub, including DiagnosticReport-Open, DiagnosticReport-Get, DiagnosticReport-Close
5. **Studies** - Issue DiagnosticReport-update Notification events to the Hub to add/remove Studies.
6. **Observations** - Issue DiagnosticReport-update Notification events to the Hub to add/remove Observations (Findings).



Get Configuration Data

When clicking the Get Configuration Data button, a web request is sent to the PowerCast Connector. The connector will then start PowerScribe if is not already running. When the Connector sends back the configuration data, the TestPowerCast app will look something like this:



Test PowerCast

Configuration Data | Login PowerScribe | Subscribe | Report Open/Close/Get | Studies | Observations

Get Configuration Data

Auth0 Authorization Url:

Auth0 Token Url:

PowerCast Hub Url:

Topic:

7/24/2020 3:14:08 PM Getting configuration data...

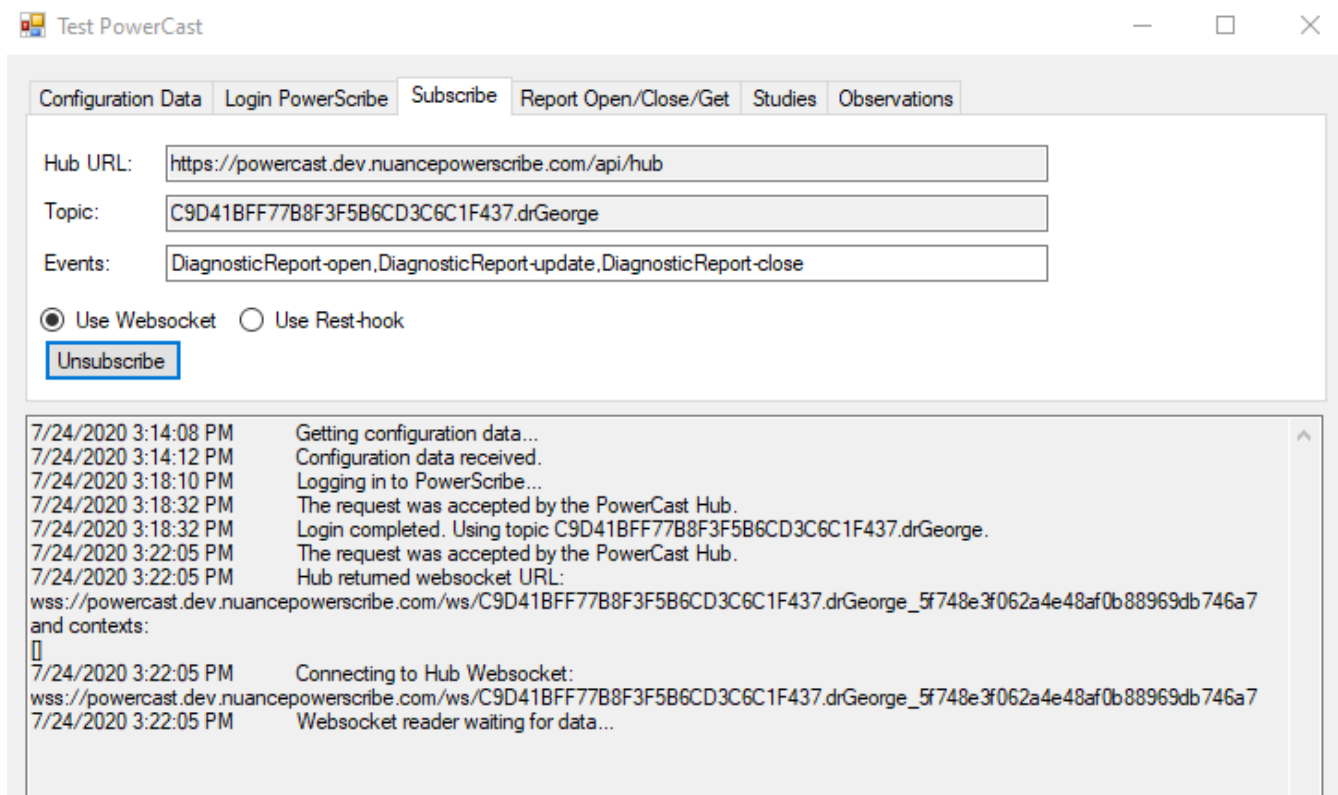
7/24/2020 3:14:12 PM Configuration data received.

Login PowerScribe One

Enter a PowerScribe user name and click on the "Login PowerScribe" button. The Connector will receive the request and log the user into PowerScribe. When the login is complete, the TestPowerCast app will display the new FHIRCast topic in the Subscribe tab (see next section "Subscribe").

SubScribe

After completing the first two steps - Get Configuration Data and Login, go to the Subscribe tab. Enter the FHIRCast events you wish to subscribe to, and click the "Subscribe" button. Your screen should look something like this:



Test PowerCast

Configuration Data | Login PowerScribe | Subscribe | Report Open/Close/Get | Studies | Observations

Hub URL:

Topic:

Events:

☒ Use Websocket ☐ Use Rest-hook

Unsubscribe

7/24/2020 3:14:08 PM Getting configuration data...

7/24/2020 3:14:12 PM Configuration data received.

7/24/2020 3:18:10 PM Logging in to PowerScribe...

7/24/2020 3:18:32 PM The request was accepted by the PowerCast Hub.

7/24/2020 3:18:32 PM Login completed. Using topic C9D41BFF77B8F3F5B6CD3C6C1F437.drGeorge.

7/24/2020 3:22:05 PM The request was accepted by the PowerCast Hub.

7/24/2020 3:22:05 PM Hub returned websocket URL:

wss://powercast.dev.nuancepowerscribe.com/ws/C9D41BFF77B8F3F5B6CD3C6C1F437.drGeorge_5f748e3f062a4e48af0b88969db746a7 and contexts:

7/24/2020 3:22:05 PM Connecting to Hub Websocket:

wss://powercast.dev.nuancepowerscribe.com/ws/C9D41BFF77B8F3F5B6CD3C6C1F437.drGeorge_5f748e3f062a4e48af0b88969db746a7

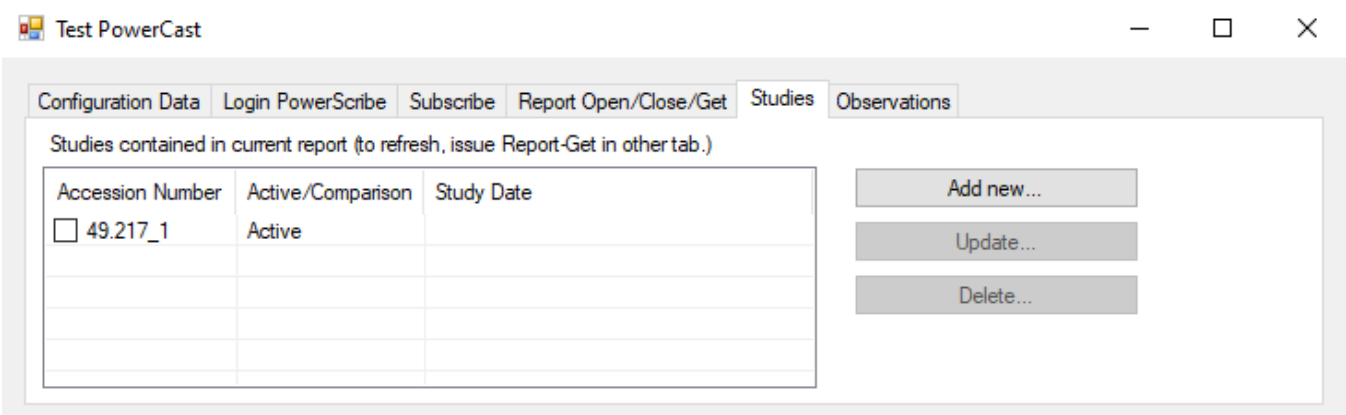
7/24/2020 3:22:05 PM Websocket reader waiting for data...

Open a Report in PowerScribe

1. Find a valid order in PowerScribe
2. Enter the accession number and MRN in the text boxes provided, and click on the "Open Report" button NOTE: multiple accession numbers are valid and should be separated by commas.
3. If the accession number is valid, the study should open in PowerScribe One.

Update Studies

After opening a report in Powerscribe, go to the "Studies" tab. You should see at least one study in the list:



At this point you can check one of the accessions and click the "Update" or "Delete" button. Pressing "Delete" will send a DiagnosticReport-update message to the Hub, attempting to delete the study (don't do this if there is only one study - you will get an error in PowerScribe). When you click on the "Update" button, the app will generate the JSON for a DiagnosticReport-update message, display it to you for editing, and allow you to submit that message to the Hub.

Update Observations