## **Running AQConnect and Exporting to Time Series**

## Connecting to Geostreams API

Since the geostreams datapoint endpoints are secured and there is no proper way of getting authenticated through AQConnect, we might need to get a authentication token externally and input it into the Aquarius Connect app. If the AQConnect utility gives a Forbidden error when running, update the auth-token.

- 1. Refer to the Authenticate section of Using the Geostreams API to get a token. (Use gltg-dev endpoint instead of greatlakestogulf)
- 2. Open AQConnect and navigate to Inbound Connection Drivers > HTTP File Inbound Connection Driver > geostreamsv3-dev > Advanced

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|                      | Cocations     Cocations     Cocations     Cocations     Cocation     Cocation | Archive File Filters<br>An optional to a file file within any Zip Archives<br>Copy files locally<br>Copy files to a temporary toleth before extraction.<br>Or Tue O False |   | Clear List Items     Add New List Item      | Rule Can Override?     Rule Can Override? |   |   |
|                      | Connectors  Schedules  Sobs  Vent Log  Extraction Drivers  | Advanced Connection Settings<br>Http Request Headers<br>Ad headers in 5 the timp request an equinal.<br>Header field name<br>- x-auth-Token                               | Header field value<br>8e7ea702e91171db15b131471e2 | + Add New Dictionary Item<br>486653d6aad302 | Rule Can Override?                        | ^ |   |
|                      | <ul> <li>Inbound Connection Drivers</li> <li>Export Drivers</li> <li>Outbound Connection Drivers</li> </ul>  | Proxy Address   |   | * Clear Dictionary Items                    | ✓ Rule Can Override?                      |   |   |
|                      | <ul> <li>System Settings</li> <li>User Accounts</li> </ul>   | An optional proxy address. If not specified the default proxy is used. Proxy user name Proxy network credentials, user name.  |   |   | V Rule Can Override?                      |   |   |
|                      |  | Proxy password<br>Proxy network credentials, password.  |   |   | V Rule Can Override?                      |   |   |
| Connection Settings. | AQUARIUS Connect v19.2.280<br>© 2019 Aquatic Informatics   | Pre-Extraction File Processing  |   |   |   | ~ |   |

3. Update the Header Field Value for x-auth-token and save it. It should connect with Geostreams now.

## Using Text and JSON Extractor

The text and JSON extractor do not work out of the box with geostreams api and require pre-processing before the extractor can work on them. The preprocessing scripts are placed at `C:\Users\Administrator\Desktop\gltg-aquarius\geostreams-formatter.py` in the aquarius machine.

The geostreamsv3-dev connection profile has been configured to run the text extraction preprocessing script.

In order to run the json extractor pre-processing script, give the script -j argument instead of -t argument.

## Export to Aquarius Time Series

The export profiles have been configured in AQConnect. For an example, look under the GREON-07 configuration. If there are no errors and the data is not visible in Aquarius Time-series, make sure the Aquarius Time-Series server is running properly and reset the state of the Location and Export under the Data Set Rules.