

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

The screenshot shows the AQARIUS Connect web interface. The sidebar on the left contains navigation links: Locations, Connectors, Schedules, Jobs, Event Log, Extraction Drivers, Inbound Connection Drivers, Export Drivers, Outbound Connection Drivers, System Settings, and User Accounts. The main panel displays the 'Advanced Connection Settings' for the 'geostreamsv3-dev' connection driver. The settings include:

- Archive File Filters:** An optional list of file names to apply to filter files within any Zip Archives. Includes a 'Clear List Items' button and an 'Add New List Item' button. A 'Rule Can Override?' checkbox is checked.
- Copy files locally:** Copy files to a temporary folder before extraction. Includes a 'Clear Selection' button and radio buttons for 'True' and 'False'. The 'False' option is selected. A 'Rule Can Override?' checkbox is checked.
- Advanced Connection Settings:**
 - Http Request Headers:** Add headers to the Http request as required. Includes an 'Add New Dictionary Item' button and a 'Clear Dictionary Items' button. A 'Rule Can Override?' checkbox is checked. The table below shows the header field name 'x-auth-token' and the header field value '8e7ea702e9f171db15bf3f471e2486653d6aad302'.
 - Proxy Address:** An optional proxy address. If not specified the default proxy is used. A 'Rule Can Override?' checkbox is checked.
 - Proxy user name:** Proxy network credentials, user name. A 'Rule Can Override?' checkbox is checked.
 - Proxy password:** Proxy network credentials, password. A 'Rule Can Override?' checkbox is checked.
- Pre-Extraction File Processing:** A section at the bottom with a dropdown arrow.

Connection Settings.

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\glgtg-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.