A logo of a company

Description automatically generated

ANA REST API

1. Overview:

ANA products in the Energy Boss product line provide access to the Head unit telematics using the Welloptics® SCADA/Telematics platform. This includes access to Energy Boss time series data using custom reports and a REST API. Custom reports are .csv formatted, containing up to (20) data points. Each data point is collected at a 15-minute interval.

1. Retrieving Time-Series Data using the REST API:

Time series data can accessed using the URL below, providing auth headers are set (Replace <RealmName> with your ANA provide specific company realm):

[https://welloptix.net/<RealmName>/51413930-52c5-4850-8de0-ac5d73a1e320/ANYWHERE/Reports](https://welloptix.net/%3cRealmName%3e/51413930-52c5-4850-8de0-ac5d73a1e320/ANYWHERE/Reports)

Set report parameters to:

|  |  |
| --- | --- |
| Parameter: | Value: |
| “Report Type” | “Tag Configurable Report” |
| “Areas“ | “All Areas” |
| “Tags Available” | “<RealmName>\Report Realms\Data Report” |
| “Tags in Report” | Should include only:  “<RealmName >\Report Realms\Data Report” |
| “Reporting Period” | “Start Date/Time” and “End Date/Time” ANA recommends running on no more frequently than an hourly basis as the system reports data points on 15-minute intervals. |
| “Number of previous periods” | Leave Blank |
| “Report Destination” | “CSV File” |
| “Report options” | Leave Unchecked |

Run report by activating the “Run Report” button. Welloptics will generate the .csv time series file.

This is equivalent to running the report manually as shown below.

A screenshot of a computer

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Appendix A

ANA provides a sample python script to demonstrate how to access timeseries data using the REST API. This script has been tested on Linux but may also work in a Windows environment.

1. In Linux bash terminal change directory to the welloptix\_api folder
2. Setup python3 environment by running “source venv/bin/activate”
3. Run script “python3 welloptix.py --username <user name> --password <password> --customer\_tag <customer tag> --output\_directory ./reports”

Reports will be in the ./reports directory