

PureConnect License Usage

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v. 1.0.0, 2021/07/09

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Chapter 1

Introduction

License-usage is an application that can be used to report license usage on PureConnect servers. It connects to the Pureconnect server via its ICWS¹ API.

¹<https://help.genesys.com/developer/cic/docs/icws/webhelp/ConceptualContent/Welcome.htm>

Chapter 2

Installation

There are 2 ways of running this application: an executable for your OS or a Docker Container.

The executable is available here, for your platform:

- Windows: <https://artifacts.genesyslab.com/pureconnect-license-usage-1.0.0-windows.7z>
- MacOS: <https://artifacts.genesyslab.com/pureconnect-license-usage-1.0.0-macos.7z>
- Linux: <https://artifacts.genesyslab.com/pureconnect-license-usage-1.0.0-linux.7z>

There is no installation per se, just download the archive, open it and the application can be executed directly.

The Docker container is available there:

- <https://hub.docker.com/r/gildas/pureconnect-license-usage>

You can get it from:

```
docker pull gildas/pureconnect-license-usage
```


Chapter 3

Running the application

With the executable

Once you have downloaded it and unarchived, you can run it simply with:

```
pureconnect-license-usage \  
  --host http://cic.acme.com:8018 \  
  --user operator \  
  --password s3cr3t \  
  --output-dir tmp
```

On Windows this would become:

```
pureconnect-license-usage.exe \  
  --host http://cic.acme.com:8018 \  
  --user operator \  
  --password s3cr3t \  
  --output-dir tmp
```

This will write a report called `report.csv` every 5 minutes in the folder `tmp`. Every month the report files are rotated (`report.csv` becomes `report.csv.1`; `report.csv.1` becomes `report.csv.2`, etc)

It is possible to change the default options (see also `pureconnect-license-usage --help`) with these command line arguments:

- `--host pureconnect_icws_url`

The PureConnect Host ICWS URL.

If you plan to use https, you will need to load the private key of the PureConnect in your OS SSL chain.

- `--user pureconnect_userId`

The User to connect with.

- `--password password`

The User's password.

- `--output-dir folder`

The location folder for the reports.

It does not have to exist, but the current user must be allowed to create it.

Default: `/tmp`

- `--frequency value`

How often the report should be written. The frequency should be given as a number followed by a unit: 5m, 2h, etc.

Default: 5m

- `--rotation value`

How often the report files should be rotated.

Values: hourly, daily, weekly, monthly

Default: monthly

- `--utc-time`

If present, the time in the reports will be shown in UTC.

By default the time is writtent in Local time.

- `--log output`

If given, a trace log will be written for log analysis.

The output value can be: a file location, one of `stdout`, `stderr`,

Or a location that follows: `gildas/go-logger`¹. Default: none

As an example, here is a way to run for testing (on MacOS/Linux):

```
DEBUG=1 ./pureconnect-license-usage \
  --log stdout \
  --host http://cic.acme.com:8018 \
  --user operator \
  --password s3cr3t \
  --output-dir ./tmp/ \
  --frequency 1m \
  --rotation hourly \
  | bunyan -L -o short
```

You can see here, we are running with logging at DEBUG level.

To be able to read the logs easily, you need to run the `bunyan` log reader. You can find it either:

- install it on your local machine: `npm install -g bunyan` (you need node.js)

- run it through a Docker Container, see: `gildas/bunyan`² (you need Docker)

With the Docker Container

To run the Docker container, you need to install Docker³ on your machine, and then:

```
docker run -d --rm \
  -v $(PWD)/tmp:/tmp \
  gildas/pureconnect-license-usage \
  --host http://cic.acme.com:8018 \
  --user operator \
  --password s3cr3t
```

You can also generate logging like previously:

```
docker run -d --rm \
  -v $(PWD)/tmp:/tmp \
  -e DEBUG=1 \
  gildas/pureconnect-license-usage \
  --host http://cic.acme.com:8018 \
  --user operator \
  --password s3cr3t \
  --log stdout
```

¹<https://github.com/gildas/go-logger#stream-objects>

²<https://hub.docker.com/r/gildas/bunyan>

³<https://docker.com>