SONY

Cloud SDK Console Access Library Python Tutorial

Version 0.1.0

2022 - 11 - 10

Table of Contents

1. Objective

To explain the various APIs exposed by Console Access Library and help the user to build and use the library.

2. Prerequisites

◆ Python 3.8.10

◆ Python dependency modules

  - ◆ requests==2.28.1

  - ◆ jsonschema>=4.6.2

  - ◆ setuptools==63.2.0

  - ◆ wheel>=0.37.1

  - ◆ PyYAML>=6.0

  - ◆ marshmallow>=3.17.0

  - ◆ pytest>=7.1.2

  - ◆ pytest-html-reporter>=0.2.9

  - ◆ pytest-ordering>=0.6

  - ◆ sphinx==4.3.2

  - ◆ myst-parser==0.18.0

  - ◆ sphinx-rtd-theme==1.0.0

  - ◆ sphinxcontrib-napoleon==0.7

  - ◆ rst2pdf==0.99

  - ◆ streamlit==1.10.0

2.1. Console Access Library API Specification

◆ docs/api-reference/index.html

3. Usage

3.1. Installation

1. Clone the repository

2. Install python dependencies for demo application

```
pip install -r requirements.txt
```

3. Run the following command to install into current python environment.

```
python -m pip install lib/python_client.
```

4. Run the following command to install into current python environment.

```
python -m pip install src/.
```

3.2. Set Configuration Parameter to start Console Access Library Sample Application

◆ Option 1:

```
Edit console access setting configuration parameters with real
values(samples\console_access_settings.yaml).
```

```
console_access_settings:
    base_url: "__base_url__"
    token_url: "__token_url__"
    client_secret: "__client_secret__"
    client_id: "__client_id__"
```

◆ Option 2:

> Keep the default console access setting configuration parameters as null
> and export the real values to environment.
> (samples\console_access_settings.yaml).

```
console_access_settings:
    base_url: null
    token_url: null
    client_secret: null
    client_id: null
```

> Export the real values to environment.

```
export BASE_URL="__base_url__"
export TOKEN_URL="__token_url__"
export CLIENT_SECRET="__client_secret__"
export CLIENT_ID="__client_id__"
```

samples\demo_config.yaml

```
demo_configuration:
    device_id: "__device_id__"
    number_of_images: __number_of_images__
    skip: __skip__
    sub_directory_name: "__sub_directory_name__"
    number_of_inferenceresults: __number_of_inferenceresults__
    filter: "__filter__"
    raw: __raw__
    time: "__time__"
    get_images_order_by: "__get_images_order_by__"
```

3.3. Starting the App

To run the CLI demo, open cmd terminal from the root folder, and run the following
command.

```
python samples/console_access_client_api_demo.py
```