User Guide To Python Sample Code

CERTIFICATE AUTHENTICATION: PYTHON

About

- This Sample Code is targeted for those who are new in calling API using Certificate Authentication with Python Language
- This Sample Code provides the minimum requirement in calling an "GET" Request API.

Prerequisites

- Python 3
 - Windows Download Link
 - MacOS Download Link
- Developer Account with Certificate Authentication App*
- Certificate Generated from OpenSSL Command*

For creation of account, you may view the Started Guides <u>here</u>

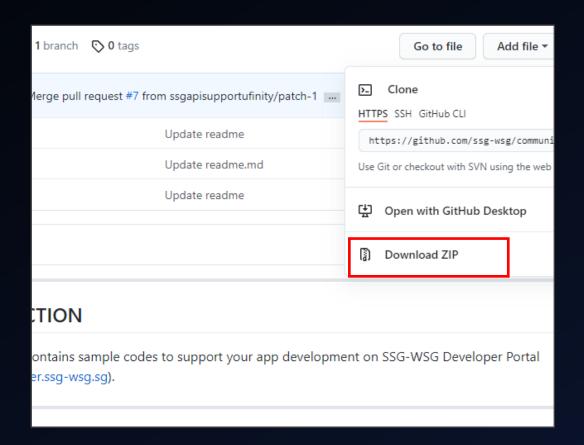
^{*}Ensure the Application is subscribed to the desire API

^{*}Note that the generated certificate should be in .pem file format.
For more information, refer to https://support.symantec.com/en_US/article.TECH242030.html.

SETTING UP AND CHECKS

 Download the Sample Code <u>here</u> and stored it at your desire location

Check Python program is using Python 3



C:\Users\ >python

Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license" for more information.

>>>

RUNNING THE APPLICATION

Install the following libraries

Windows

- sudo apt-get install python3-pip
- pipinstall requests

- Open CMD and navigate to the sample code file
 - cd "Path to Sample Code"

- Run the Python File with the following command
 - python3 *filename*.py

MacOS

- curl https://bootstrap.pypa.io/get-pip.py o get-pip.pycommandpython3 get-pip.py
- pip install requests

```
Microsoft Windows [Version 10.0.19042.985] (c) Microsoft Corporation. All rights reserved.
```

C:\Users\ >cd SampleCode

```
Microsoft Windows [Version 10.0.19042.985]
(c) Microsoft Corporation. All rights reserved.
```

C:\Users\ >cd SampleCode

C:\Users\ \SampleCode>python3 SampleCodePythonOpen.py

RUNNING THE APPLICATION

Enter URL to call the API

URL Examples:

Enter URL to continue: https://public-api.ssg-wsg.sg/courses/directory/SCN-T04SS0109E-01-CRS-N-0035497

- https://api.ssgwsg.sg/courses/categories?keyword=Training
- https://api.ssgwsg.sg/courses/directory/SCN-198202248E-01-CRS-N-0027685
- https://api.ssgwsg.sg/courses/tags?sortBy=0

Results

SUCCESSFUL CALL

```
"data": {
 "categories": [
      "display": true,
     "name": "Area of Training",
      "rolodex": {
       "display": false,
        "numberOfLetters": 1
      "display": true,
      "name": "Training Partners",
      "rolodex": {
       "display": true,
        "numberOfLetters": 3
"error": {},
'meta": {
 "total": 2
"status": 200
```

UNSUCCESSFUL CALL

Enter URL to continue: IncorrectURL
Please check whether input URL or certificate path is valid

Upon keying invalid data for URL, Client Id or Secret Key, an error message will be shown to user

Upon keying a valid but unauthorised URL, system will prompt user that Authorization field is missing.

Code Adjustment

- Open the Sample Code using any Editor and make the following changes:
 - Certificate and Key Path Parameter
- Save the changes and close the Editor