User Guide To Run MTLS Sample Code

Developer Portal: Step 1
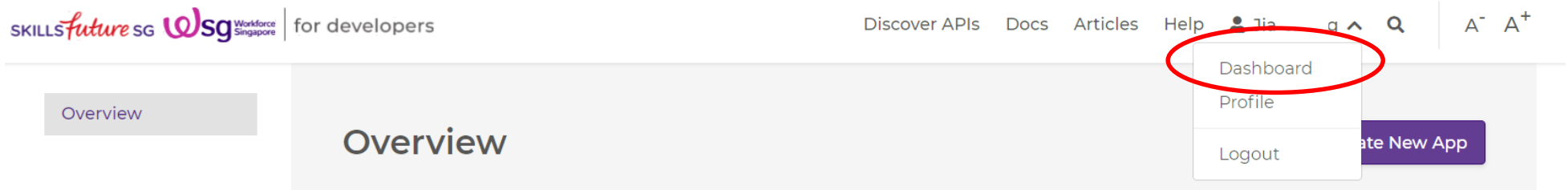
- Step 1.1

❖ Go to developer portal https://developer.ssg-wsg.sg/webapp/home

❖ Then Create or log in your Github account
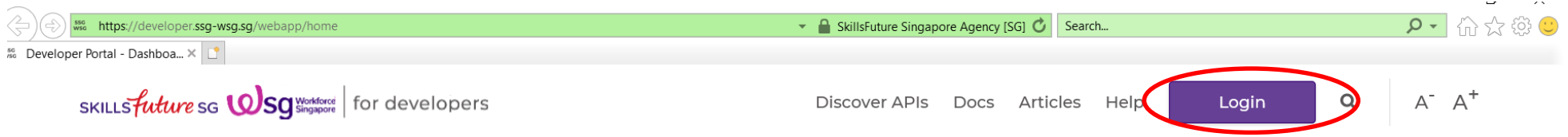
- Step 1.2

❖ After log in with your GitHub account

❖ Click your profile and select Dashboard

Developer Portal : Step 2
(Create New App)

- Step 2.1

❖ Click the Create New App

Create New App

- Step 2.2

❖ Type any App Name and description you want to input

❖ Select Authentication: Certificate.

❖ Then Click Create

Create New App
Application Information

App Name

Description

Authentication ⓘ

○ Open

● Certificate

Cancel   Create

Developer Portal : Step 3 (Overview)

- Step 3.1

❖ Click the overview App you have created

Overview

Overview

MTLS

Call MTLS API for testing

Owner: 🗑

- Step 3.2

❖ It shows 3 categories.

- App Settings: Add APIs

- Subscriptions: Shows the APIs that you have added
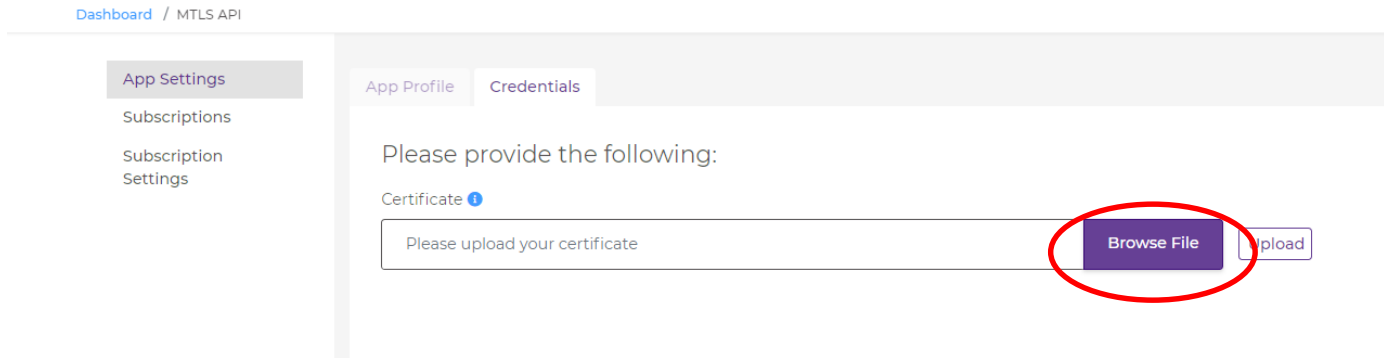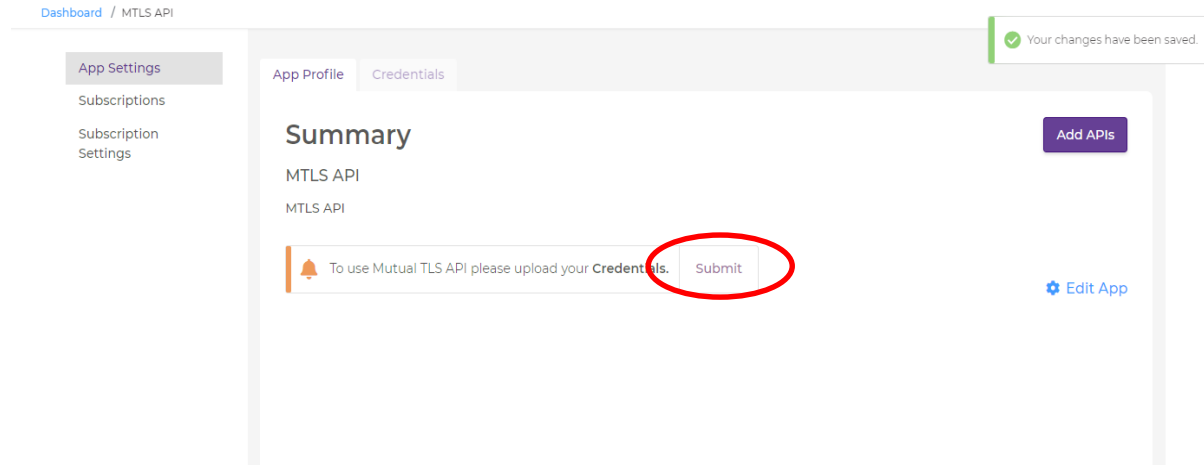
- Subscription Settings

Dashboard / MTLS

App Settings

Subscriptions

Subscription Settings

Developer Portal : Step 4
(App Settings)

- Step 4.1

- Click on "Submit"

- Then Click "Browse File" to locate your "Cert.pem" file

- Once done, Click "Upload"

Dashboard / MTLS API

App Settings

Subscriptions

Subscription Settings

App Profile   Credentials

Your changes have been saved.

Summary

MTLS API

MTLS API

Add APIs

🔔 To use Mutual TLS API please upload your **Credentials.**   Submit

⚙ Edit App

Dashboard / MTLS API

App Settings

Subscriptions

Subscription Settings

App Profile   Credentials

Please provide the following:

Certificate ⓘ

Please upload your certificate   Browse File   Upload

Developer Portal : Step 4 (Add APIs)

- Step 4.2

❖ Select any APIs you want to explore

❖ Then click Add APIs – it will show on the subscriptions.

Developer Portal : Step 5

- Step 5.1

❖ Click Discover APIs

- Step 5.2

❖ Then choose any one of the 4 categories;
For E.g. : Resources → Skills Framework → Sectors

❖ Click on the "Get" or "Post" to expand the section

Developer Portal : Step 5

- Step 5.3

- ❖ Click Try it out and execute to get the json file output

- ❖ This is to show the mock example of GET request

Output:
Json File

Install Node.js

Go https://nodejs.org/en/ **to install the runtime software**
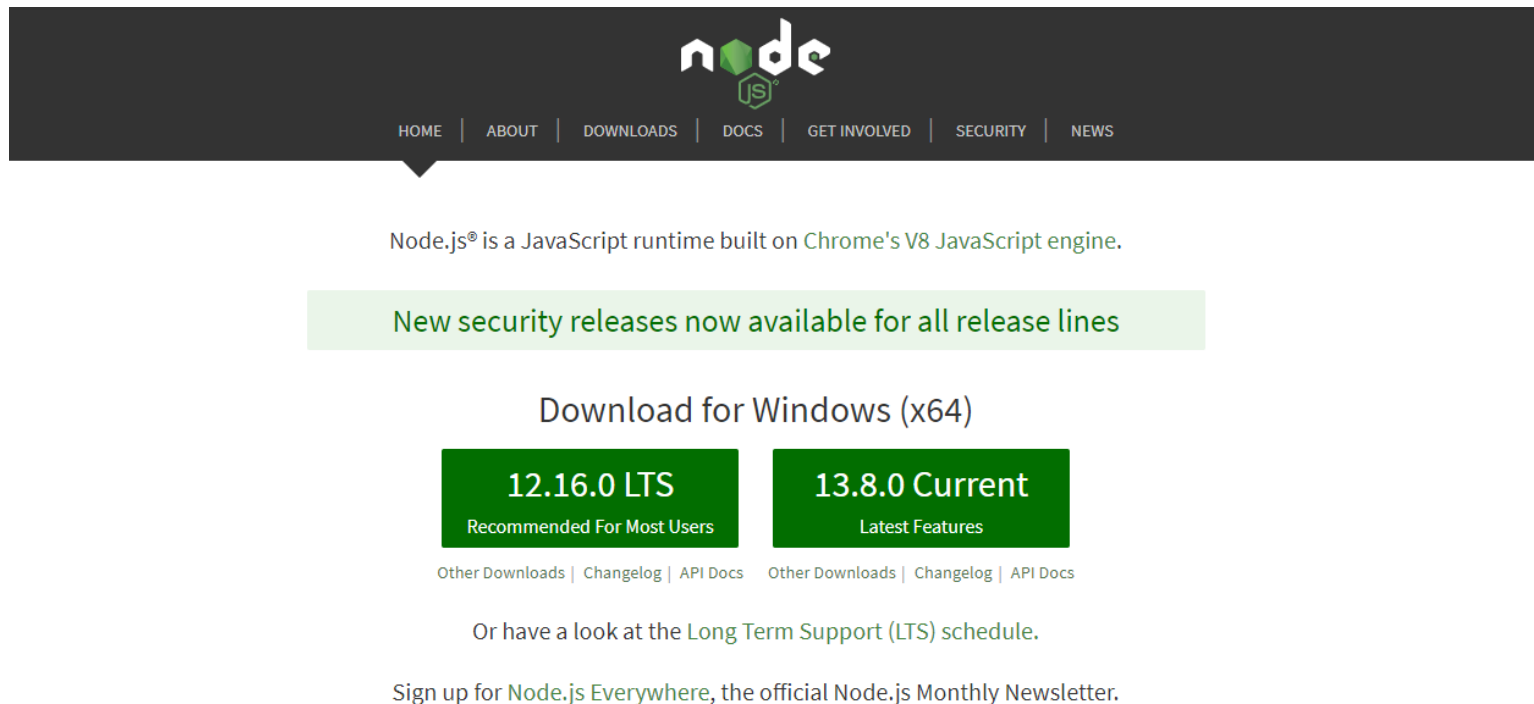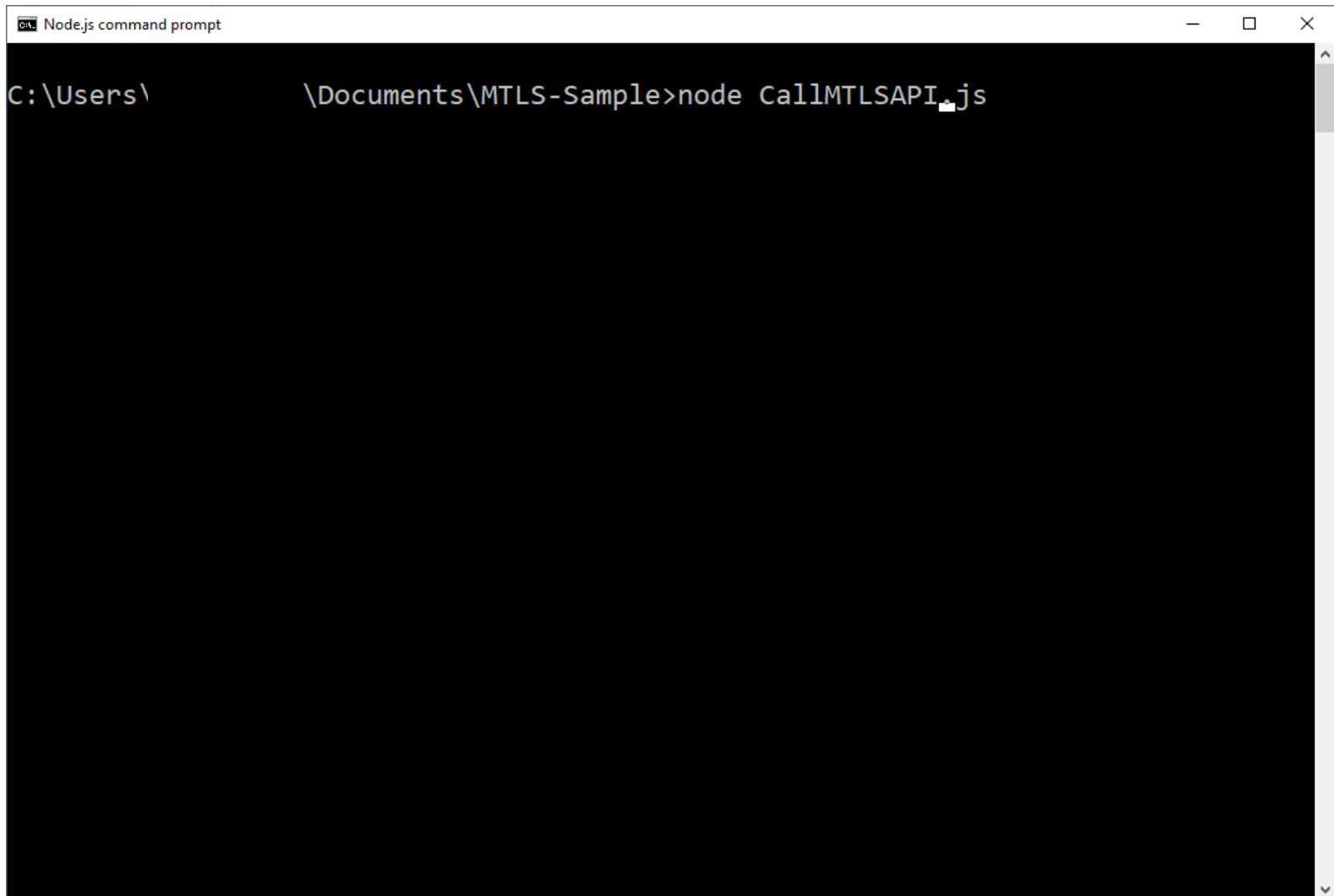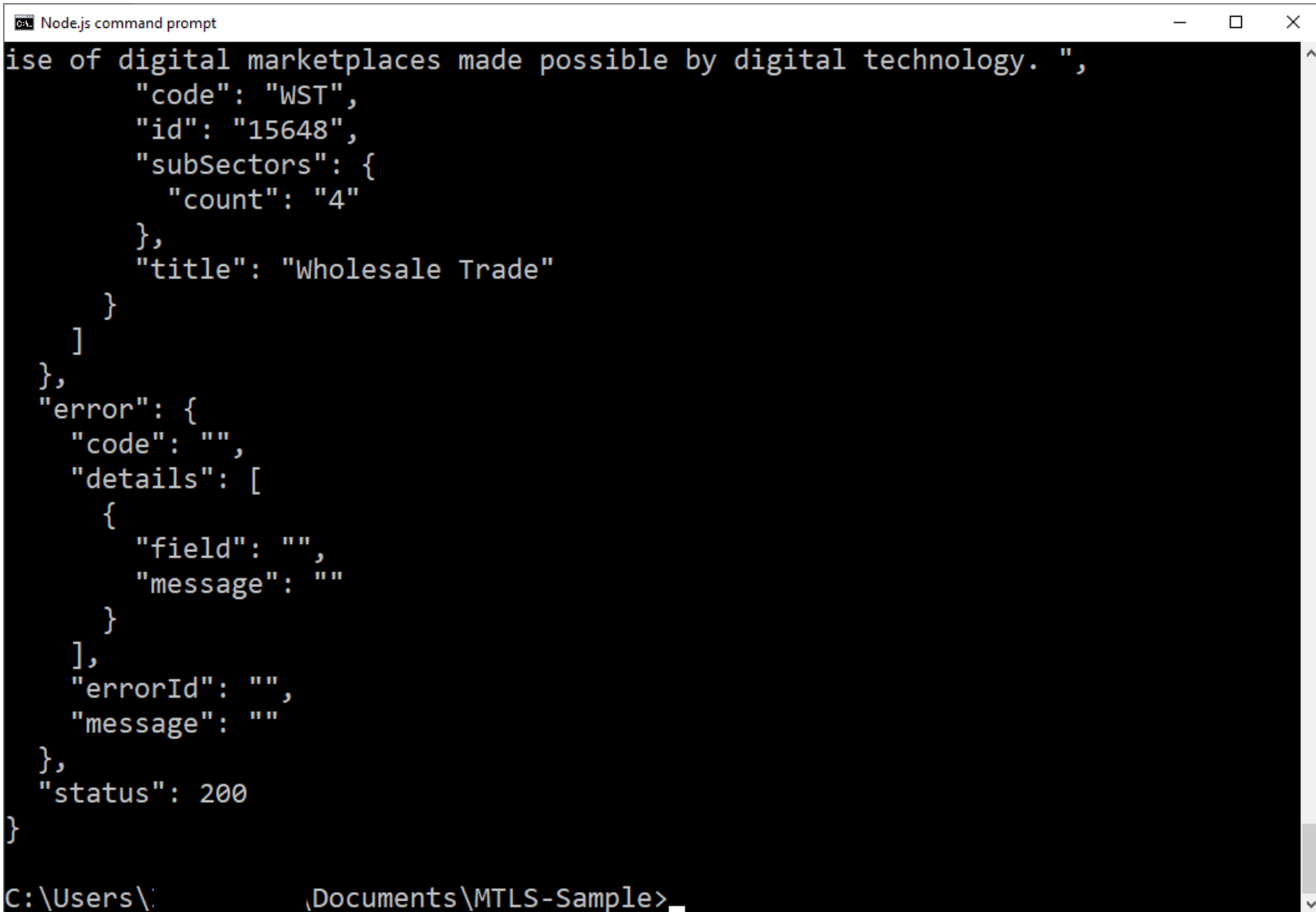
Run the Sample Code using Node.js Command Prompt

Please ensure your Key.pem and Cert.pem is in the running directory

Run the Sample Code using Node.js Command Prompt

```
ise of digital marketplaces made possible by digital technology. ",
        "code": "WST",
        "id": "15648",
        "subSectors": {
          "count": "4"
        },
        "title": "Wholesale Trade"
      }
    ]
  },
  "error": {
    "code": "",
    "details": [
      {
        "field": "",
        "message": ""
      }
    ],
    "errorId": "",
    "message": ""
  },
  "status": 200
}

C:\Users\            \Documents\MTLS-Sample>
```

MTLS Sample Code (Get All Sectors)

```javascript
var https = require('https'),          // Module for https
fs =    require('fs');                  // Required to read certs and keys

var options = {
    hostname: 'api.ssg-wsg.sg',                              // Production Base URL
    path: '/skillsFramework/sectors',                        // This API is to retrieve all Sectors
    method: 'GET',                                           // Method : Get or POST
    key: fs.readFileSync('C://exampleDirectory/MTLS-Sample/key.pem'),        //Input the directory for key.pem
    cert: fs.readFileSync('C://exampleDirectory/MTLS-Sample/cert.pem')       //Input the directory for cert.pem
};

 makeAPICall = function(response) {
    var str = '';
    response.on('data', function (chunk) {
       str += chunk;
    });

    response.on('end', function () {
       console.log(str);
    });
 }

 https.request(options, makeAPICall).end();
```