Overview

API resources are secured. API also verifies applications are registered to access the API server and authenticates resource requests. Upon authentication, an access token is provided enabling you to access API resources.
To access APIs, you will:

- Create a developer portal account
- Sign into Developer Portal
- Create an application and Construct the Access My Data URL
- Generate an access token
- Generate an authorization code

If you already have a developer portal account and registered an application, go right to Log in to developer portal.

Process overview

Accessing APIs starts with creating an account in QSmartCare, logging in to QSmartCare Developer Portal and setting up an application access. The access URL, unique client ID and unique client secret key within QSmartCare application are then used to access through web portal API URL. Upon navigating to this URL and logging in using your unique information a dashboard will be displayed. This screen provides you with the option to create your API access depending on whether you created a Work (Provider / Physician) account or a Personal (patient) account. Provider access provides API access to data for a patient under the provider's care. Personal provides API access data for the specific patient.

API Categories

	QSmartCare Patient Access APIs	**QSmartCare Provider Access APIs**
Technical Info & Data Standards	**Read-Only** RESTful API endpoints that provide **patient data** using the FHIR data standard (R4).	RESTful APIs enabling **Read** and **Write** transactions across **an expansive array of EHR data** using a proprietary data standard.
User Audience	Apps powered by Patient Access APIs are used by **Individual Patients** of QSmartCare Practices.	Apps powered by APIs are intended for **QSmartCare Users.**
Functional Scope	Patient Access API Apps let patients of a QSmartCare Practice **access their own personal health data** within that Practice's QSmartCare system via API using a web-based	API apps integrate with QSmartCare to add value & expand functionality for QSmartCare Clients across an extensive variety of **clinical, administrative, and other functions.**
Partner Program Info	Program details for Patient Access API Developers are provided in	Program options for Clients or 3rd Party Vendors developing API Apps

	the Patient Access APIs and Regulatory Compliance section of https://qsmartcare.com/patient	include the Open Access and API Distribution Partner programs described at https://www.qsmartcare.com/app/
Technical Documentation	Patient Access API Documentation is publicly available via https://qsmartcare.com/api-documentation.html	Access to API technical documentation is provided following submission of developer details to QSmartCare – links on the Partner Program page led to the appropriate API Onboarding Form.

Create a Developer Portal Account

1. Navigate to the Developer's portal account using the link below
Link: https://qsmartcare.com/app/registration.html
2. Enter the details and select Create button

Create a Developer Portal Account

First Name : | First Name

Middle Name : | Middle Name

Last Name : | Last Name

DOB : | MM/DD/YYYY

Enter Email ID : | Enter Email ID here

City : | Select ▾

State : | Select ▾

Facility : | Select ▾

Select services : ● Patient ● Provider

Phone Number : | Phone Number

Clear Form | Create Account

Enter the following details to create a developer account

a. Email Address: The Email to be used to log in to your developer account.
b. Frist Name: Enter your first name.
c. Last Name: Enter your last name.
d. Middle Name: Enter your middle name
e. DOB: Enter your DOB
f. City: Enter your city name
g. State: Enter your state name
h. Facility Name: Enter your facility name
i. Phone: Enter your phone name

Sign into Developer Portal

Click on the below link and navigate to the Developer Portal.

Link: https://qsmartcare.com/patient/index.html
1. Enter the Username, Password and PIN
2. Select the **Login** button and the **Developer Portal** screen is displayed
Note: Your display name should now appear in the top right corner of the screen.
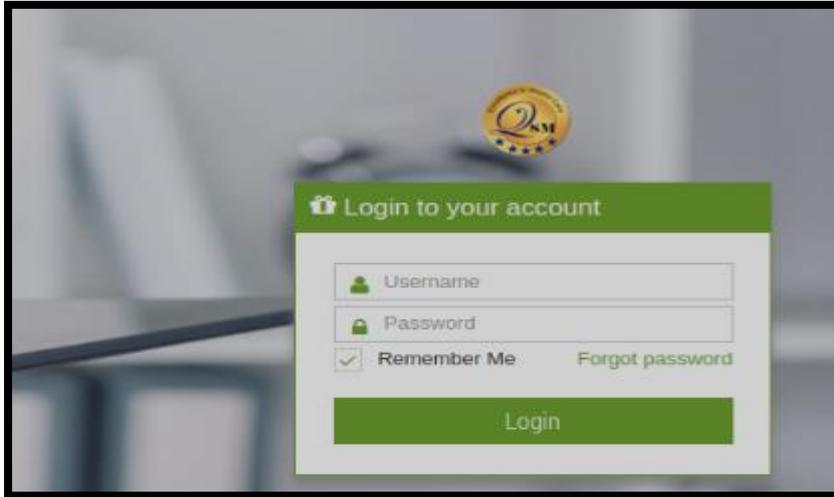
Creating an application and constructing the Access My Data URL (Patient – Single Patient)

a. In the general info menu go to Manage API section
b. Upon clicking the Manage API the screen appears as below
c. Click the Show to view the AccesskeyID and SecretAccesskey

Generating the Access Token

a. Open Postman, create a blank tab and the Untitled Request screen is displayed.
b. Select the Post Method and choose the tab Body
c. Enter the Url: https://qsmartcare.com/R4-patient-api/oath2/token.php
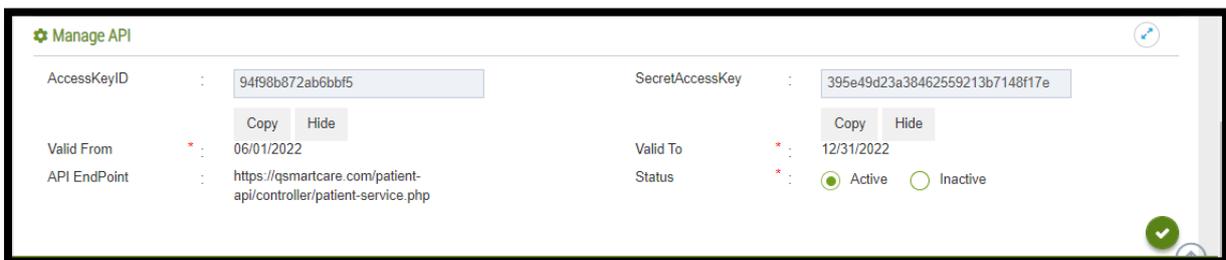
Key	Value

grant_type	authorization_code
Client_ID	generated from the Developer Portal
Client_secret	generated from the Developer Portal

Hit the Send button in the right side as highlighted in the below screenshot
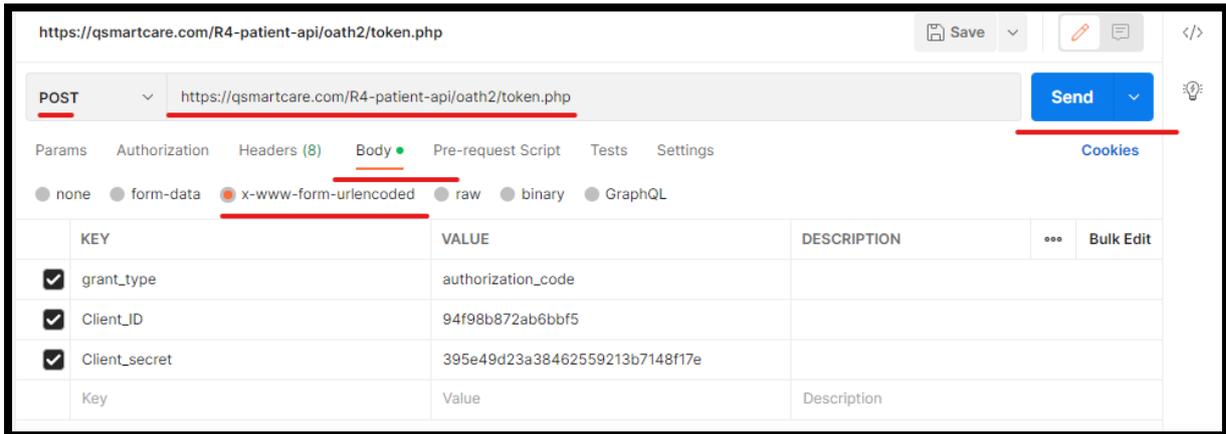
Upon clicking the 'Send' button in postman generates the following details

➢ Patient id
➢ Access token
➢ Refresh token

Generating the Authorization Code
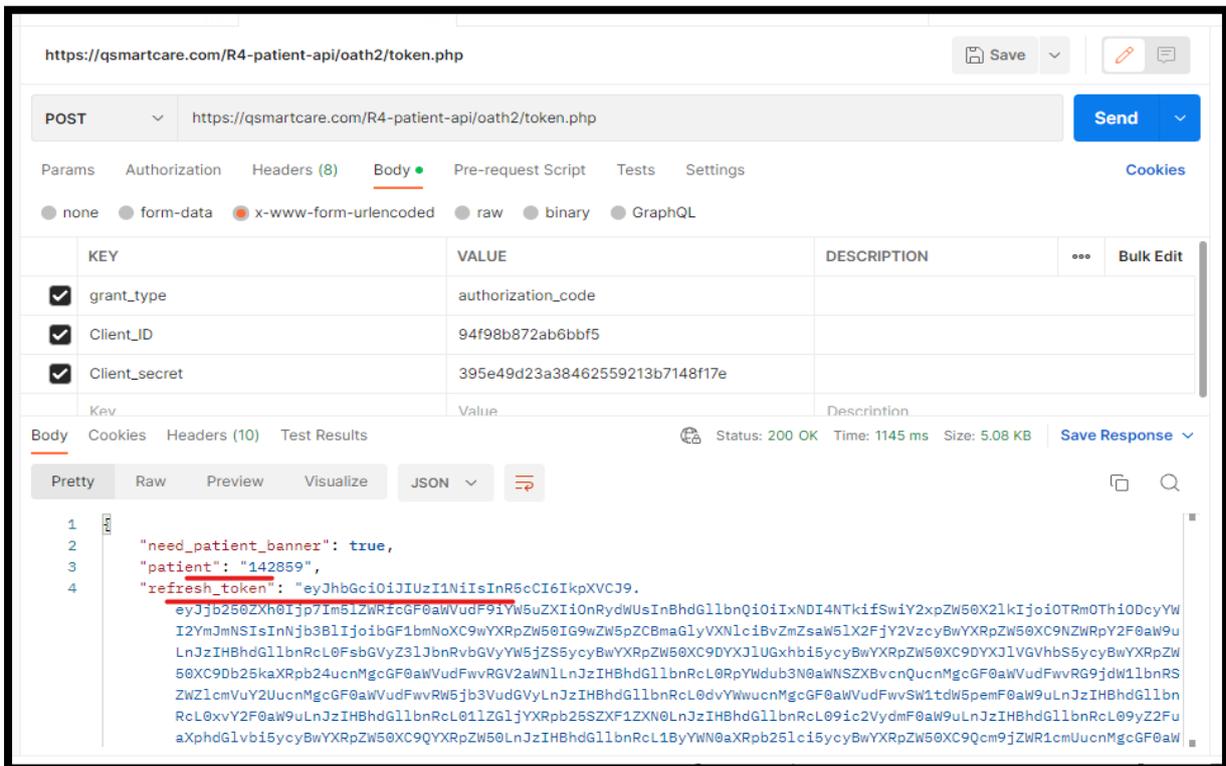
A. Copy the Patient Id generated in the previous step and enter in url
https://qsmartcare.com/R4-patient-api/single/Patient.php?id=142859

B. Copy the access token code generated in the previous step and enter in Authorization as highlighted below

Upon clicking the 'send' button it will display the patient health data.

Provider Workflow

Sign into Developer Portal

1. Click on the below link and navigate to the Developers Portal
   Link: https://qsmartcare.com/app/index.html
2. Enter the Username, Password and PIN
3. Select the Login button and the Developer Portal screen is displayed
Note: Your display name should now appear in the top right corner of the screen.
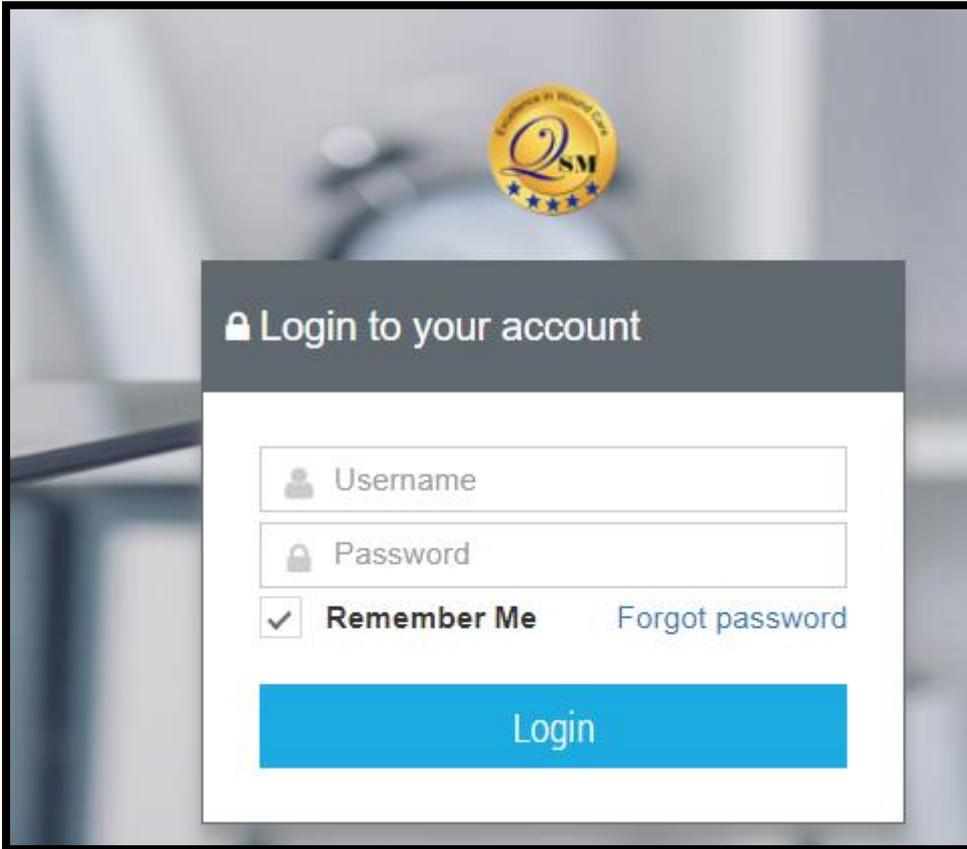
Creating an application and constructing the Access My Data URL (Provider – Multi Patient)

      a.   Click on the Manage FHIR API from the side menu
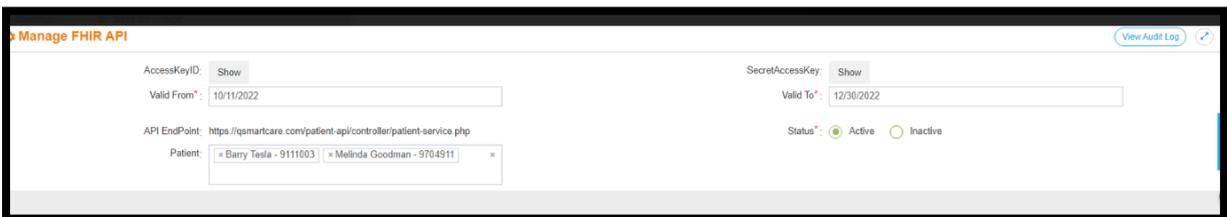
      b.   Upon clicking the Manage API the screen appears as below
      c.   Click the Show to view the AccesskeyID and SecretAccesskey
      d.   Search and select for the patients

Generating the Access Token

    a. Open Postman, create a blank tab and the Untitled Request screen is displayed.

    b. Select the Post Method and choose the tab Body

    c. Enter the Url: https://qsmartcare.com/R4-patient-api/oath2/token.php

    d. Hit the Send button in the right side as highlighted in the below screenshot

Key	Value
grant_type	authorization_code
Client_ID	generated from the Developer Portal
Client_secret	generated from the Developer Portal

Upon clicking the 'Send' button in postman generates the following details

➢ Patient id
➢ Access token
➢ Refresh token

Generating the Authorization Code

A. Enter the url
https://qsmartcare.com/R4-patient-api/multiple/api/patient.php

B. Copy the access token code generated in the previous step and enter in Authorization as highlighted in the below screenshot and click send button

Upon clicking the 'send' button displays the all the patient health data.

Troubleshooting

User session not found. User must re-authenticate.

This error indicates the authentication has wrong client ID or wrong Client Secret key.
To resolve this issue, you must enter the valid client ID and Client Secret ID.