

Stanbic API Gateway Testing Guide



**Stanbic
Bank**

Document Information

Item	Description
Document Name	API Gateway Test Documentation
System	Stanbic Developer Sandbox
Purpose	Guide for testing Stanbic APIs using Postman
Environment	Sandbox
Version	1.0
Released By	Integrations Team
Release Date	11 th March 2026

1. Introduction

This document provides step-by-step instructions for testing APIs available on the Stanbic Developer Sandbox Portal.

The guide explains how to:

- Create a developer account
- Register an application
- Subscribe to an API product
- Generate an OAuth access token
- Perform an API connection test using Postman

This process confirms that the API gateway integration is functioning correctly before moving to further development or production integration.

2. Prerequisites

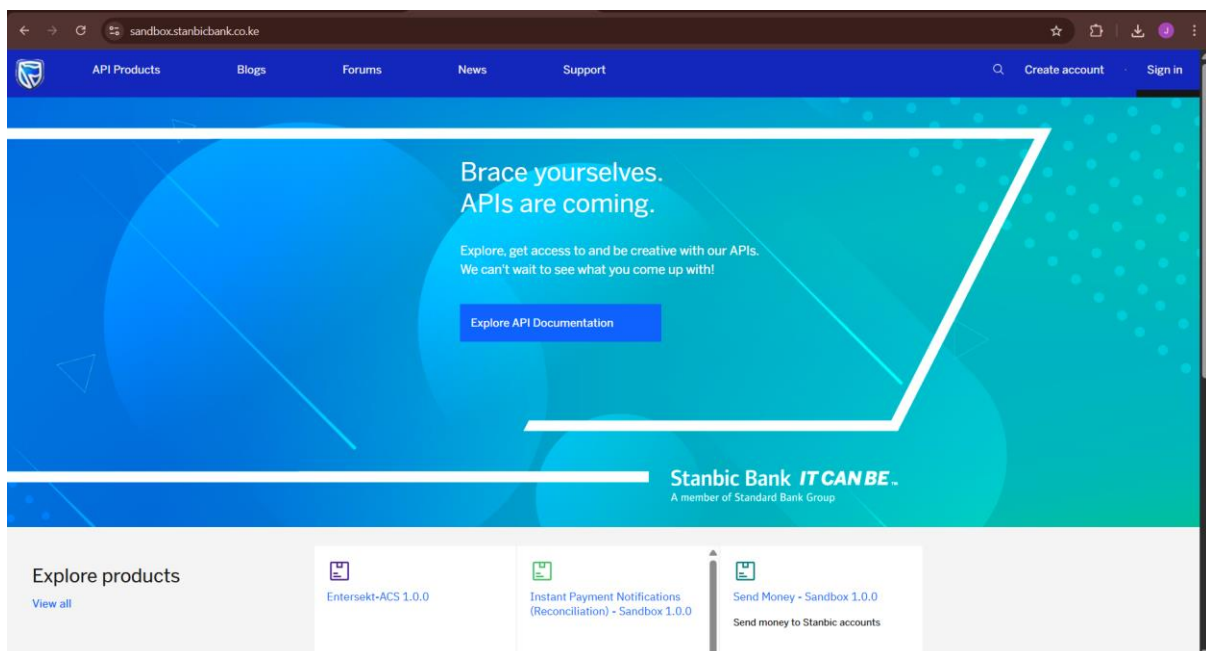
Before performing the API test, ensure you have the following:

- Access to the Stanbic Developer Sandbox Portal
- A valid Stanbic account number
- Postman installed on your computer
- Internet connectivity

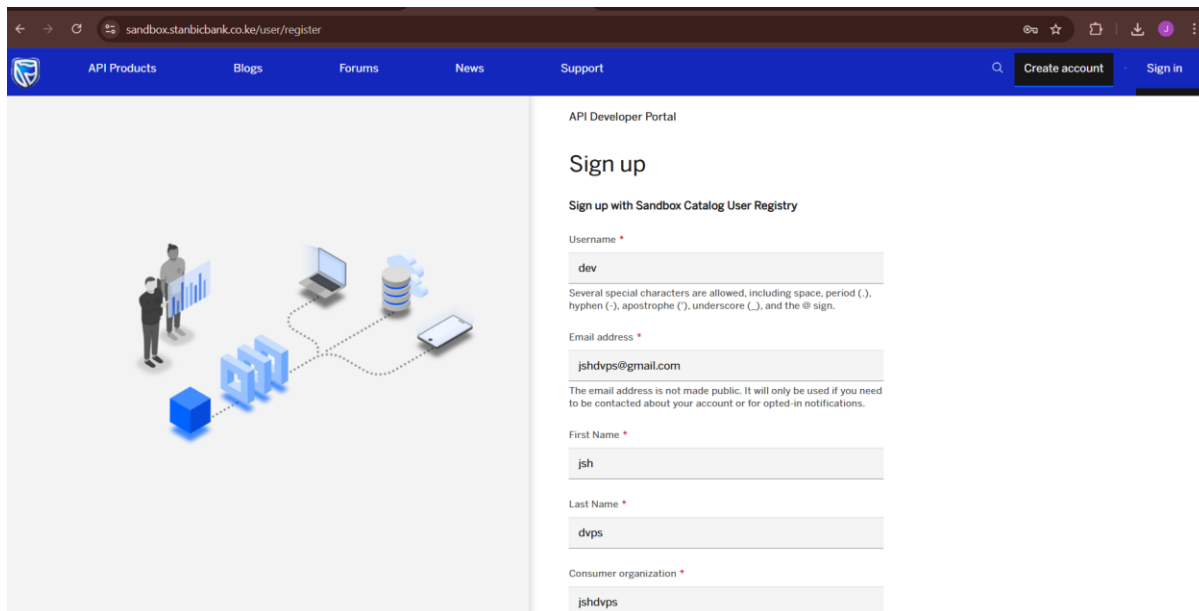
Developer Portal: <https://sandbox.stanbicbank.co.ke/>

3. Creating a Developer Account

Navigate to the Stanbic Developer Portal and Click on Create account if you don't have an account



Fill in your account details.

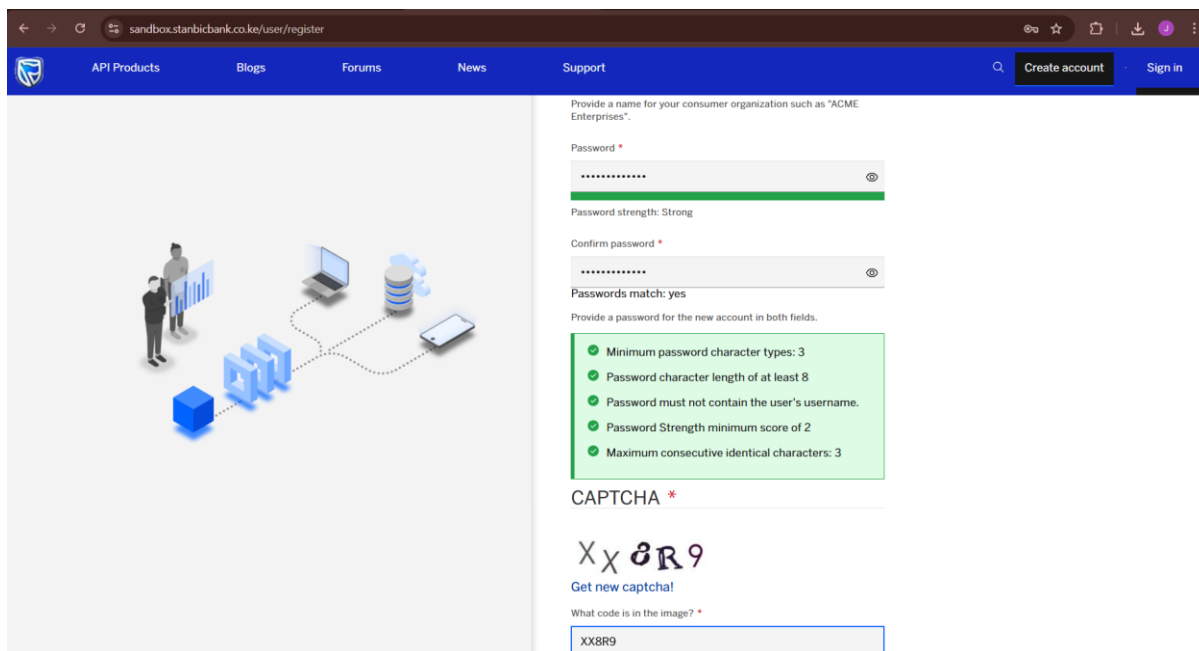


The screenshot shows the registration page for the API Developer Portal. The left sidebar contains an illustration of a person standing next to a bar chart, with a laptop, a server rack, and a smartphone connected by dotted lines. The main content area is titled "API Developer Portal" and "Sign up". Below this, it says "Sign up with Sandbox Catalog User Registry". The form fields are filled with the following information:

- Username: dev
- Email address: jshdvps@gmail.com
- First Name: jsh
- Last Name: dvps
- Consumer organization: jshdvps

There are also small text blocks providing instructions: "Several special characters are allowed, including space, period (.), hyphen (-), apostrophe ('), underscore (_), and the @ sign." and "The email address is not made public. It will only be used if you need to be contacted about your account or for opted-in notifications."

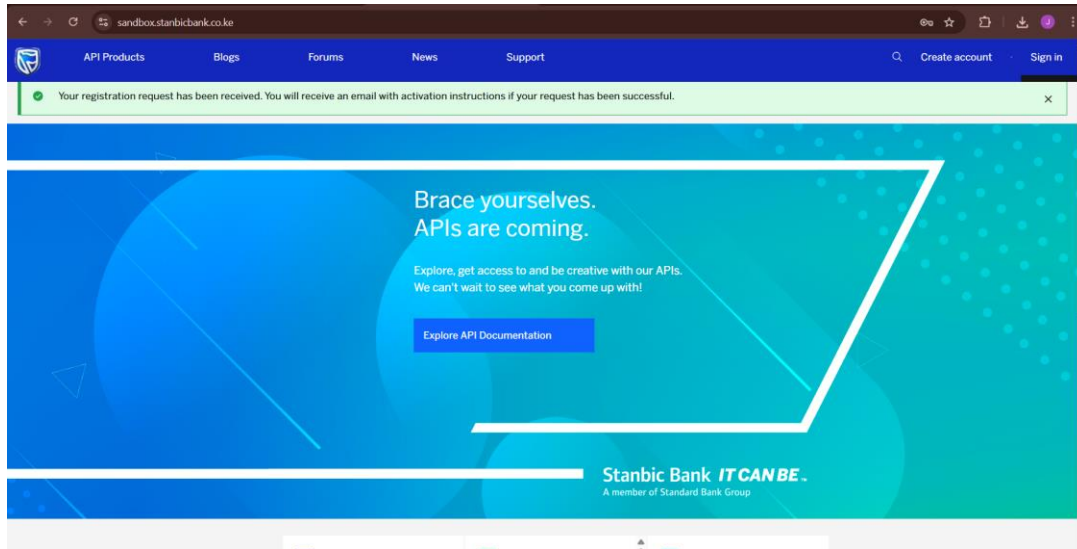
Set a strong password complete the CAPTCHA verification.



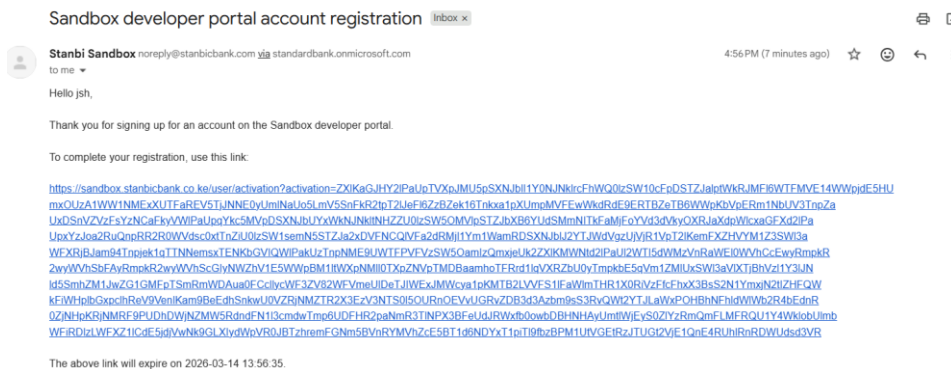
The screenshot shows the registration page with the password and CAPTCHA verification steps. The left sidebar is the same as in the previous screenshot. The main content area shows the following steps:

- Provide a name for your consumer organization such as "ACME Enterprises".
- Password field: Password strength: Strong
- Confirm password field: Passwords match: yes
- Provide a password for the new account in both fields. A green box lists the password requirements:
 - Minimum password character types: 3
 - Password character length of at least 8
 - Password must not contain the user's username.
 - Password Strength minimum score of 2
 - Maximum consecutive identical characters: 3
- CAPTCHA field: The CAPTCHA image shows the characters "XX8R9". Below it, a button says "Get new captchal".
- What code is in the image? field: The code "XX8R9" is entered in the input box.

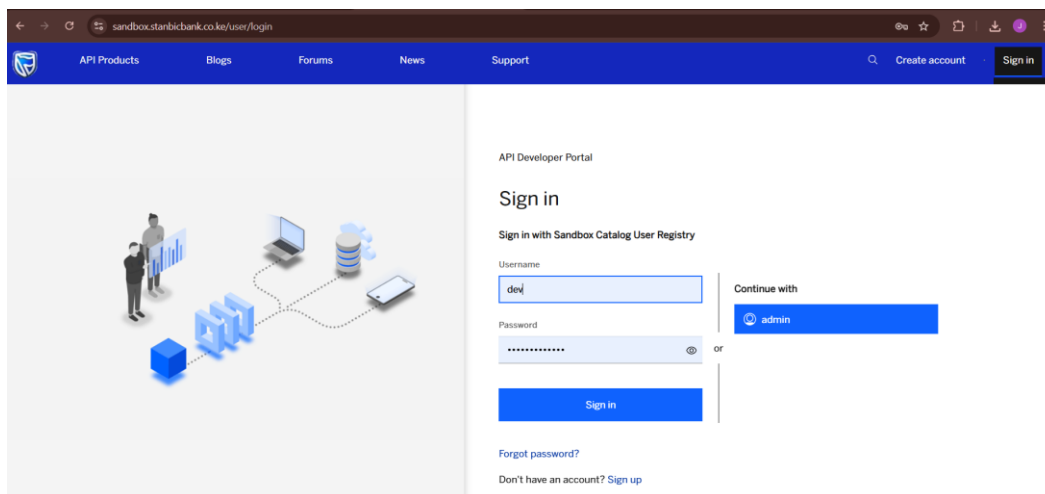
Click Sign Up and an activation email will be sent to your registered email address.



Open the email and click the activation link to activate your account.



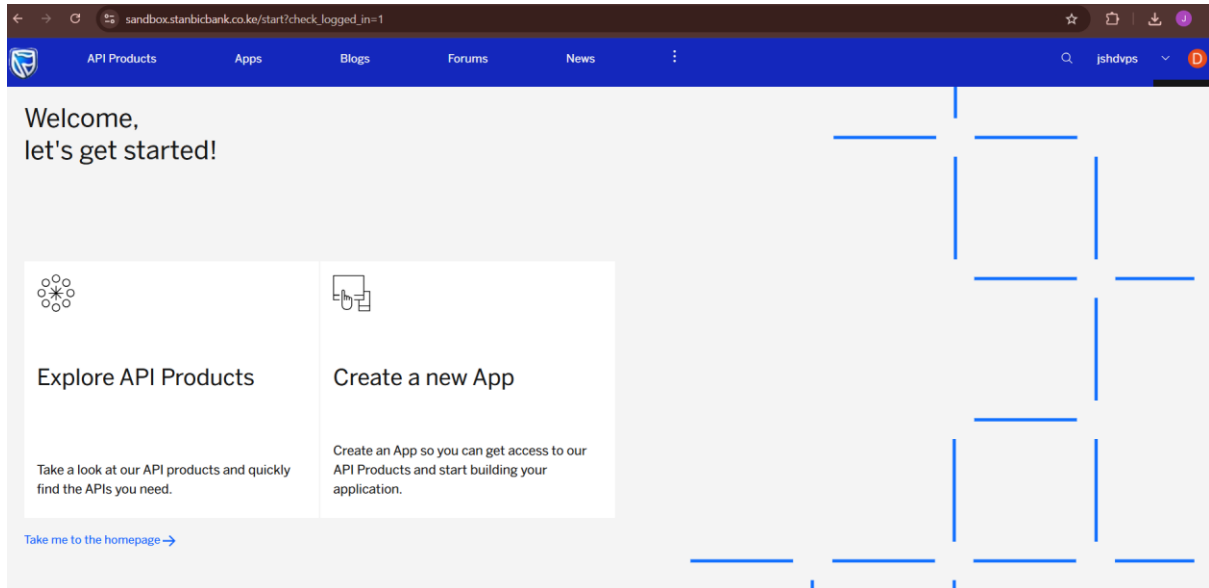
Return to the portal, click Sign In and enter your credentials.



4. Creating an Application

Applications are used to generate credentials required for API authentication.

After logging in, click Create a New App.



Enter the following details:

- Application Title
- Stanbic Account Number

Title *

Title is limited to 255 characters, remaining: 245

Application OAuth Redirect URL(s)

Remove

Add another item

Description

Rich Text Editor

B *I* Paragraph

About text formats

Account Number *

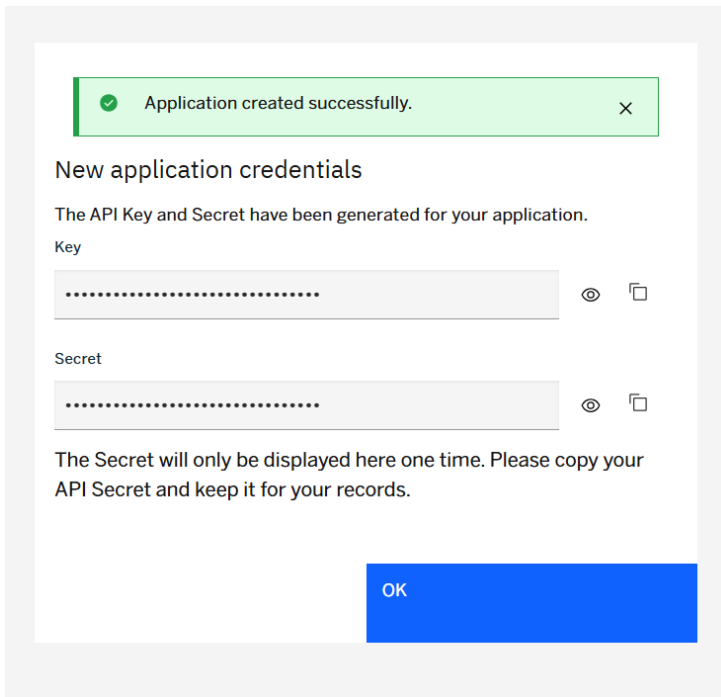
Click Save.



Once the application is created, the system will generate:

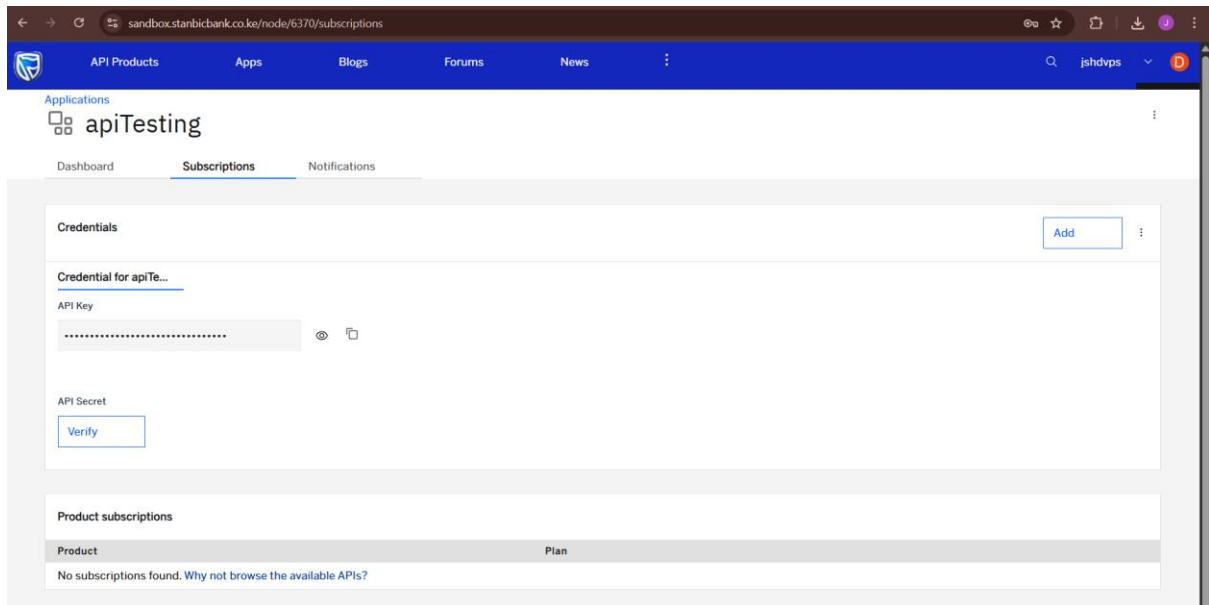
- Client Key
- Client Secret

Important: Copy and store these credentials securely. They are required when generating API access tokens.

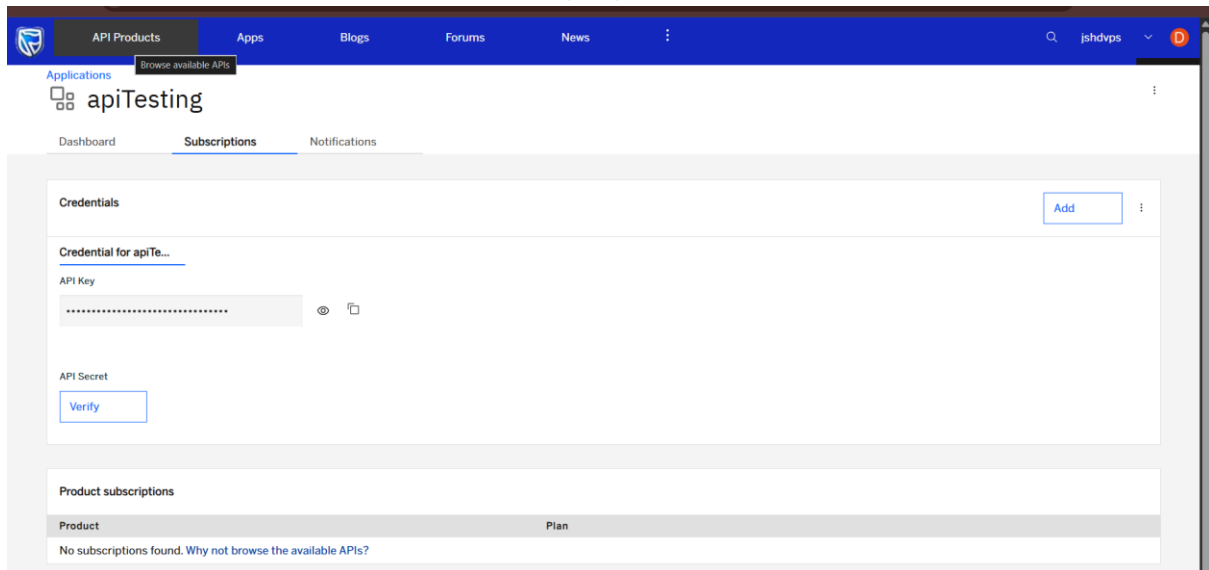


5. Subscribing to an API Product

New applications are not subscribed to any API product by default.

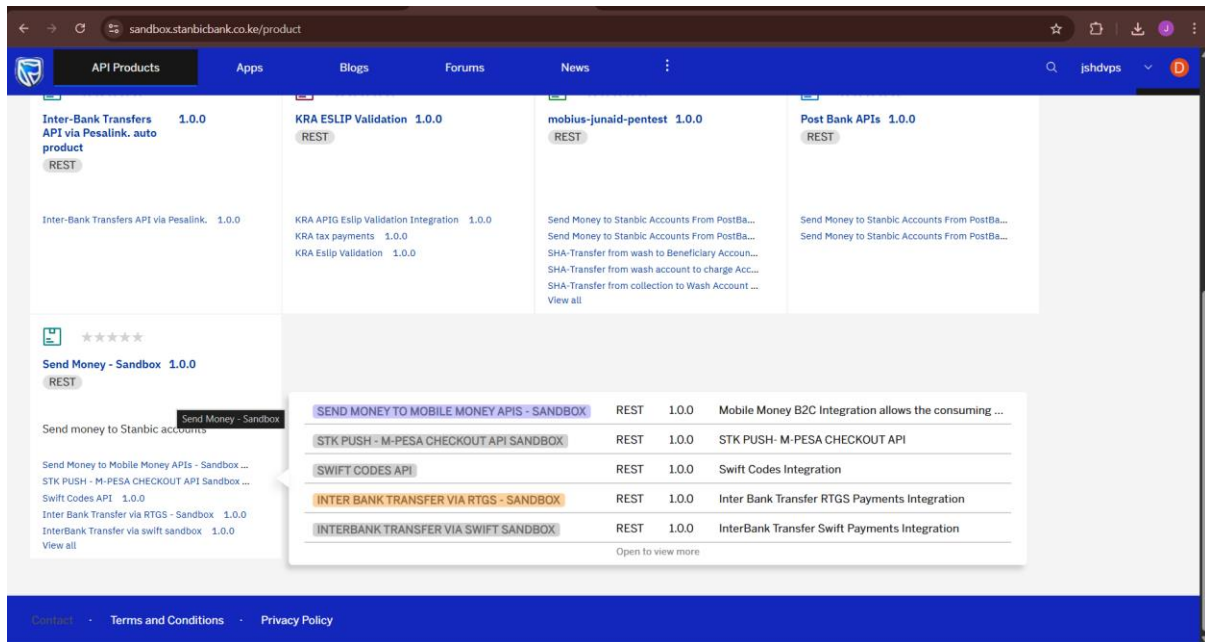


To subscribe click API Products in the developer portal.

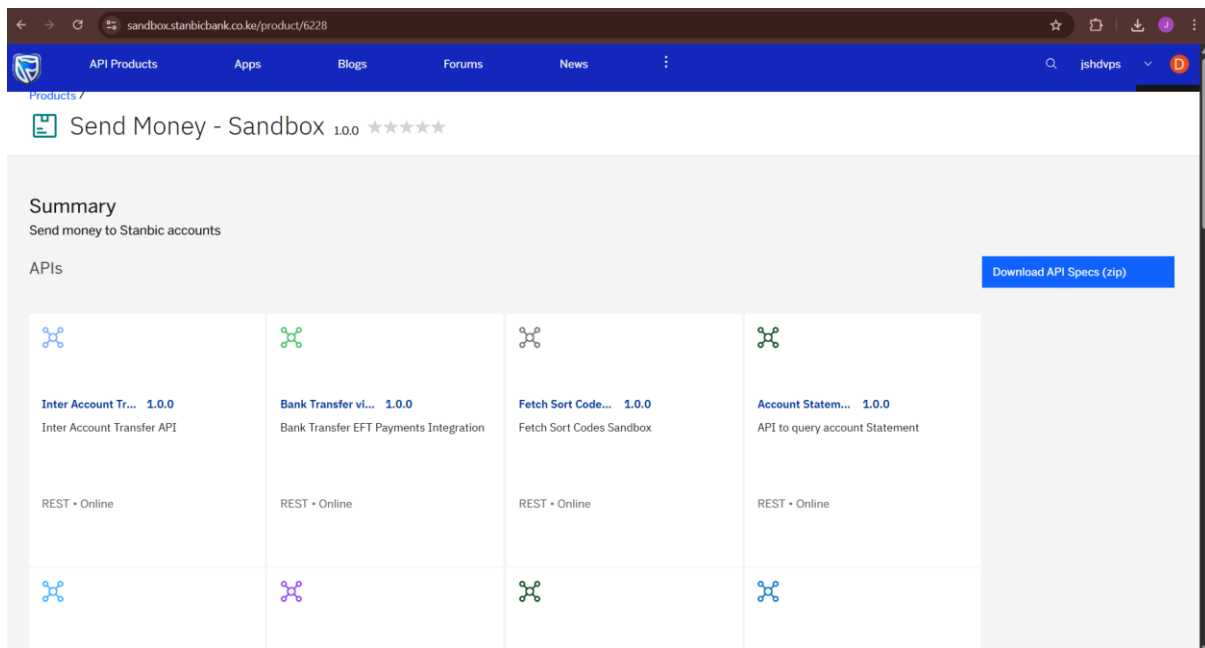


Select the API product you want to test.

Example: Send Money – Sandbox 1.0.0



Scroll down to the Plans section.



Click Select

Plans

Default Plan

100 calls per second

Select

Default Plan

@number APIs including

- ✓ Payments to Stanbic Acc... 1.0.0
- ✓ Send Money to Mobile M... 1.0.0
- ✓ Inter-Bank Transfers API ... 1.0.0
- ✓ Inter Bank Transfer via R... 1.0.0
- ✓ InterBank Transfer via s... 1.0.0

[View details](#)

Choose the application you created earlier.

Subscribe to Send Money - Sandbox 1.0.0

Select Application Subscribe Summary

Select an existing application or create a new application

apiTesting
--Account Number: 0100016230639 --
Description:

apiTesting
--Account Number: 0100016230639 --
Description:

+
Create Application

Cancel

Click Next.

Subscribe to Send Money - Sandbox 1.0.0

Select Application **Subscribe** Summary

Confirm Subscription

Product	Application	Plan
Send Money - Sandbox	apiTesting	Default Plan: Subscription for 100 calls per second

Cancel Back Next

Click Done.

Your application is now successfully subscribed to the API product (Send Money – Sandbox 1.0.0)

Subscribe to Send Money - Sandbox 1.0.0

Select Application Subscribe **Summary**

Subscription Complete
Your application is now subscribed to the selected plan.

Product	Application	Plan
Send Money - Sandbox	apiTesting	Default Plan

Done

6. Verifying the Subscription

To confirm your subscription, Click Apps and Select the application you created.

sandbox.stanbicbank.co.ke/application

API Products **Apps** Blogs Forums News

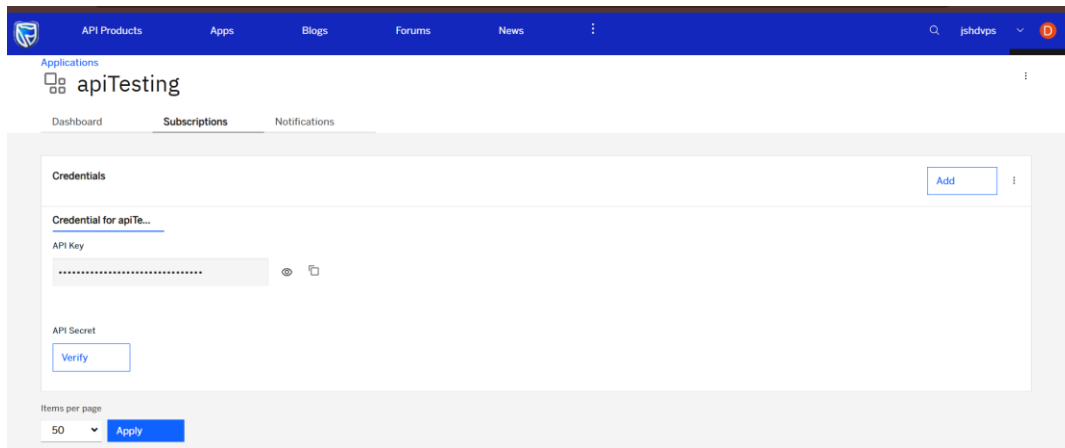
Apps

Title Items per page Sort by

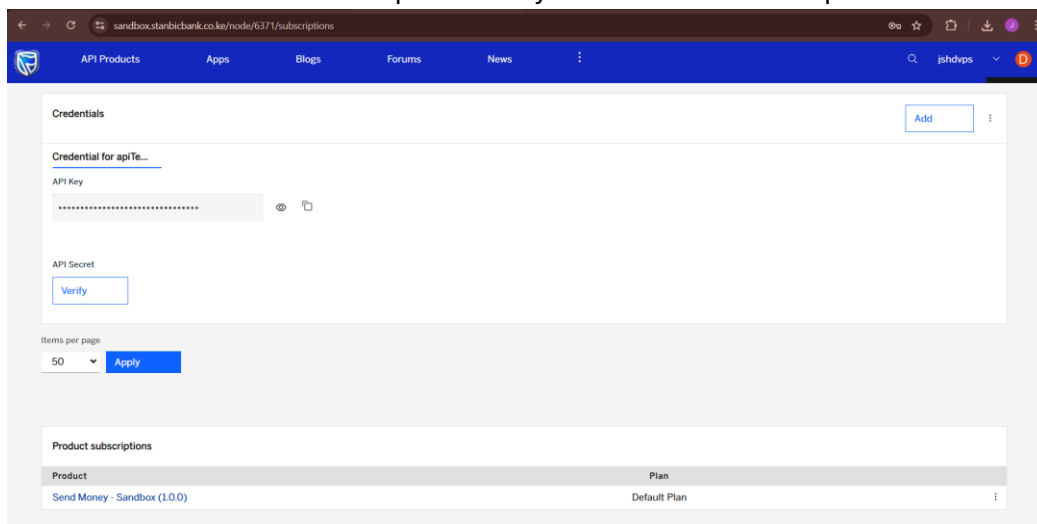
 10 Name Asc **Apply**

 apiTesting --Account Number: 0100016230639 -- Description: ● Enabled	 apiTesting --Account Number: 0100016230639 -- Description: ● Enabled
---	---

Click Subscriptions.

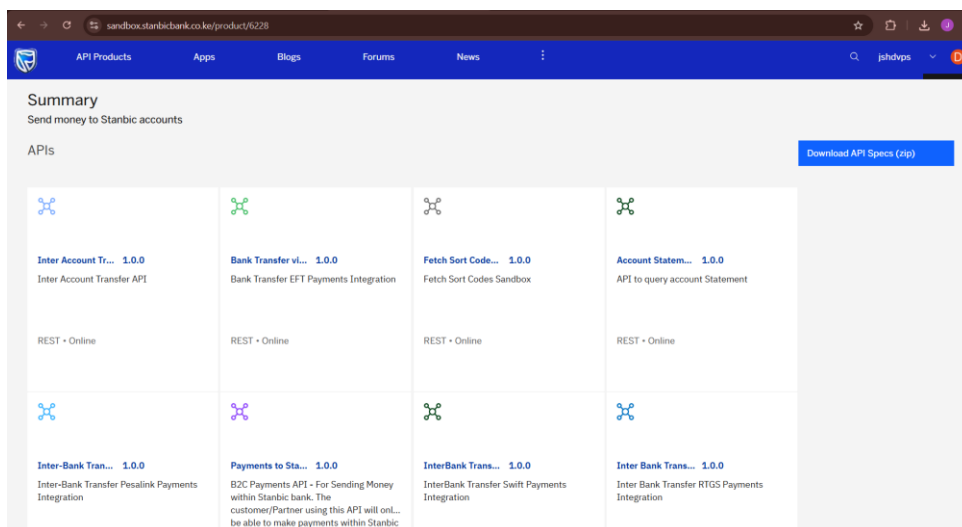


Scroll down to Product Subscriptions and you should see the API product listed there.

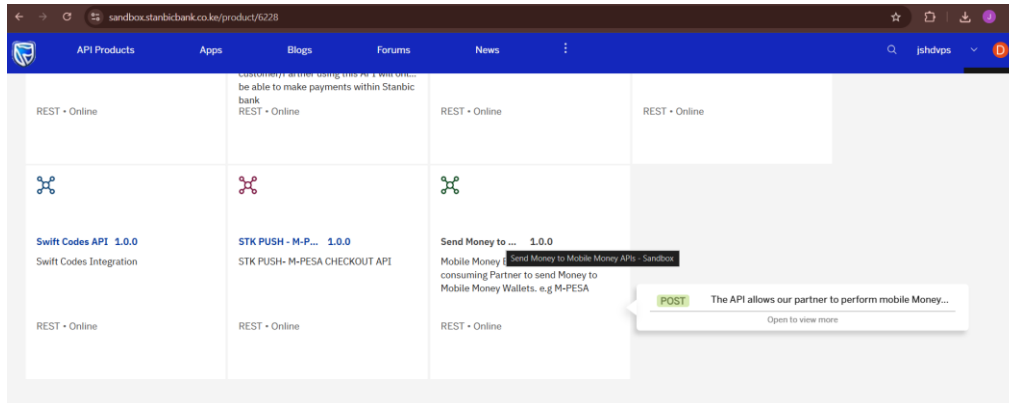


7. Retrieving API Token URL

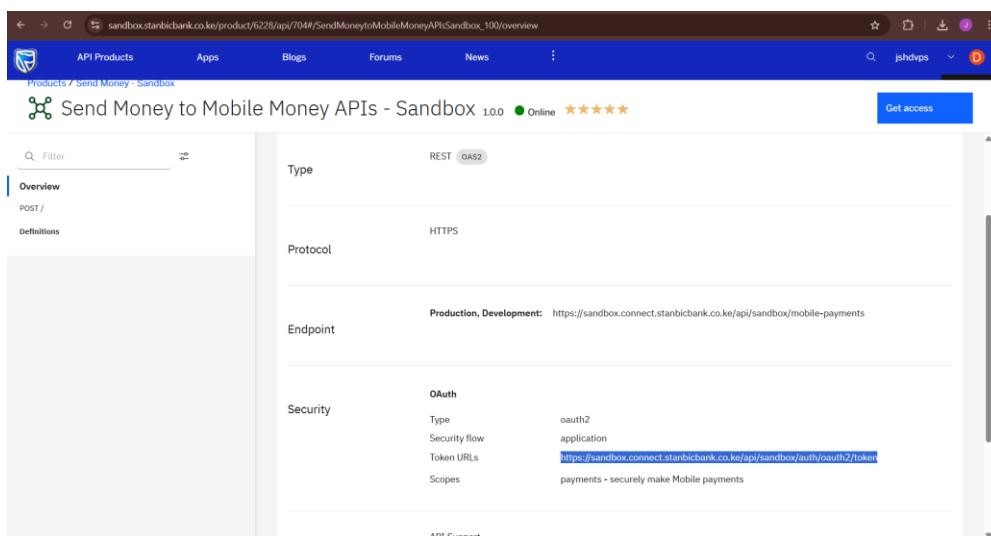
Navigate to API Products and select Send Money – Sandbox 1.0.0



Choose one of the APIs Example: Send Money to Mobile Money APIs – Sandbox



Scroll down and copy the Token URL.

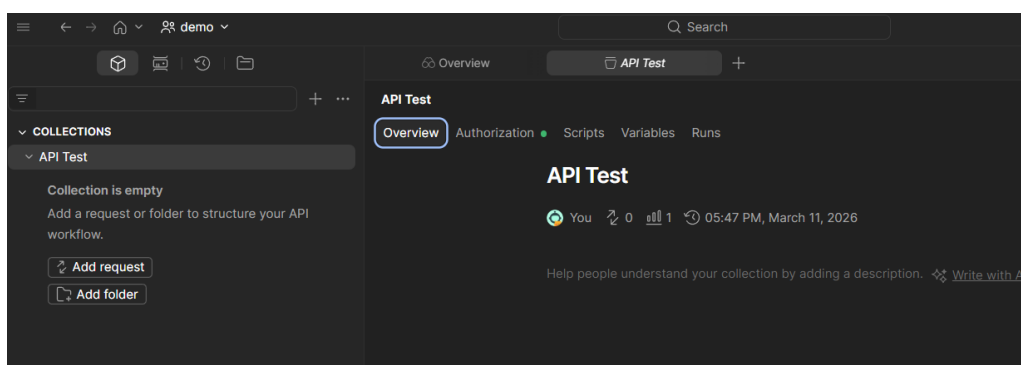


8. Testing the API Using Postman

8.1 Create a Postman Collection

Open Postman:

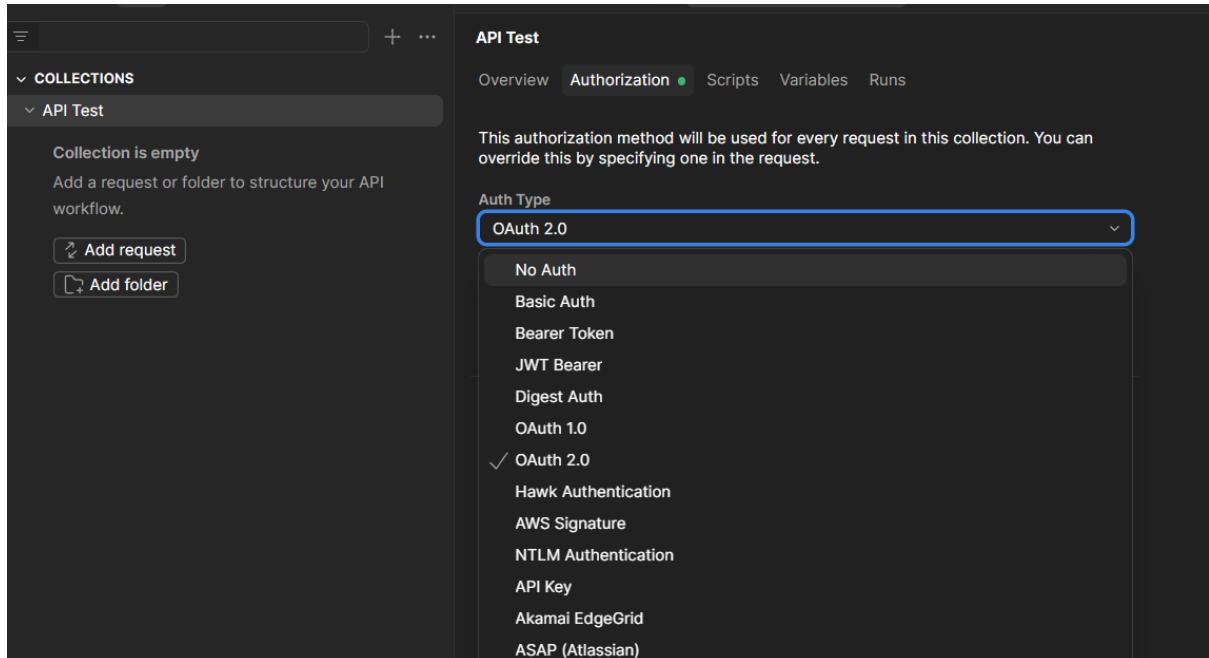
- Click New Collection.
- Example collection name: API Test



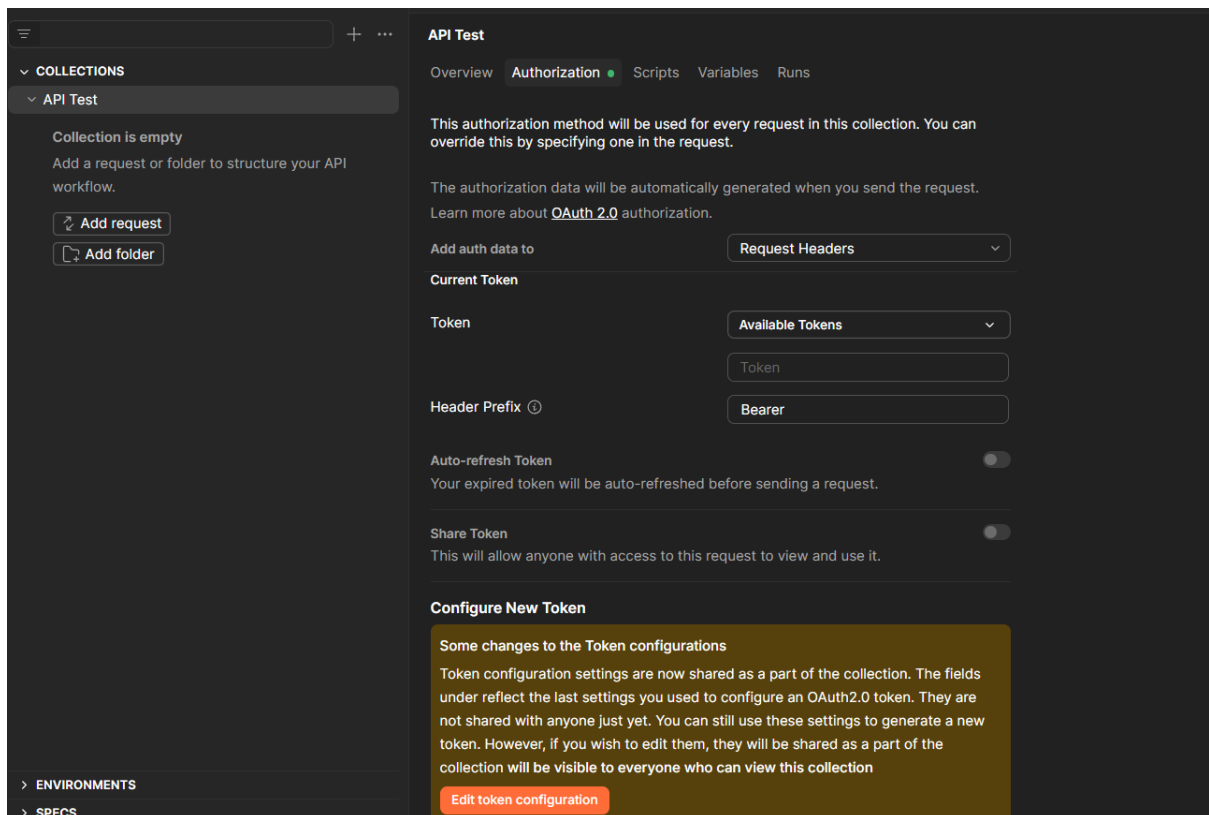
8.2 Configure OAuth 2.0 Authentication

Select the Authorization tab.

Set: Auth Type → OAuth 2.0



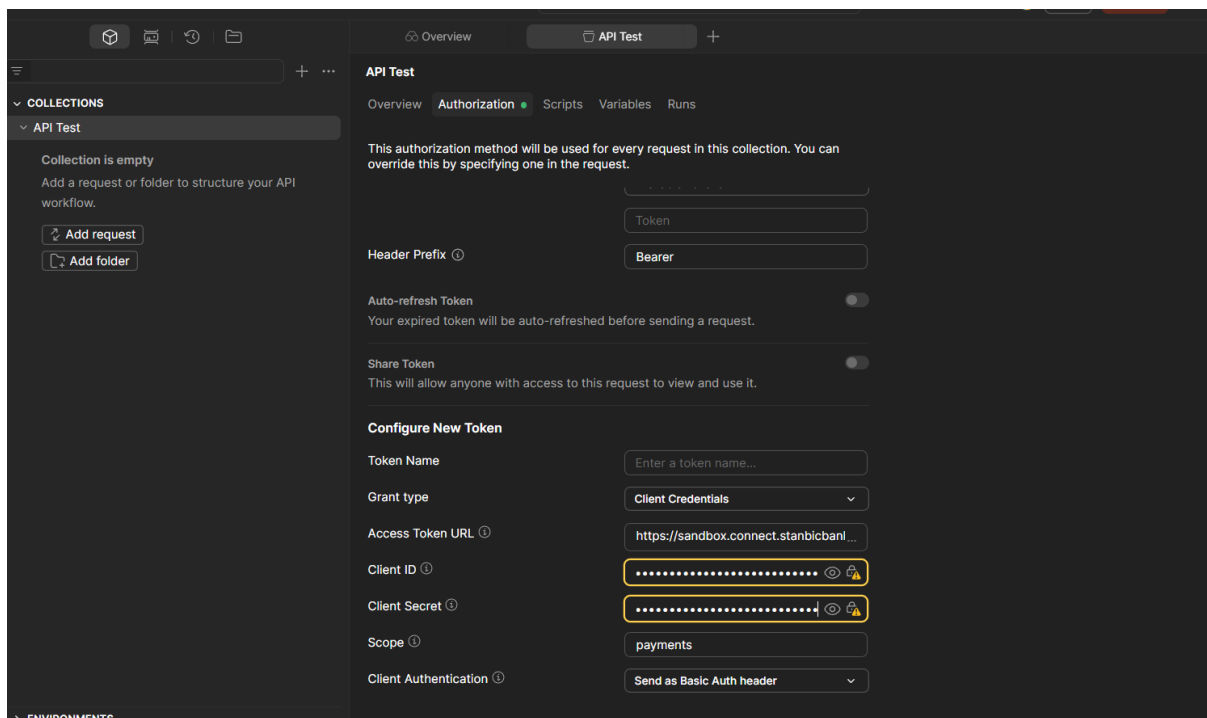
Scroll down and click on Edit token configuration



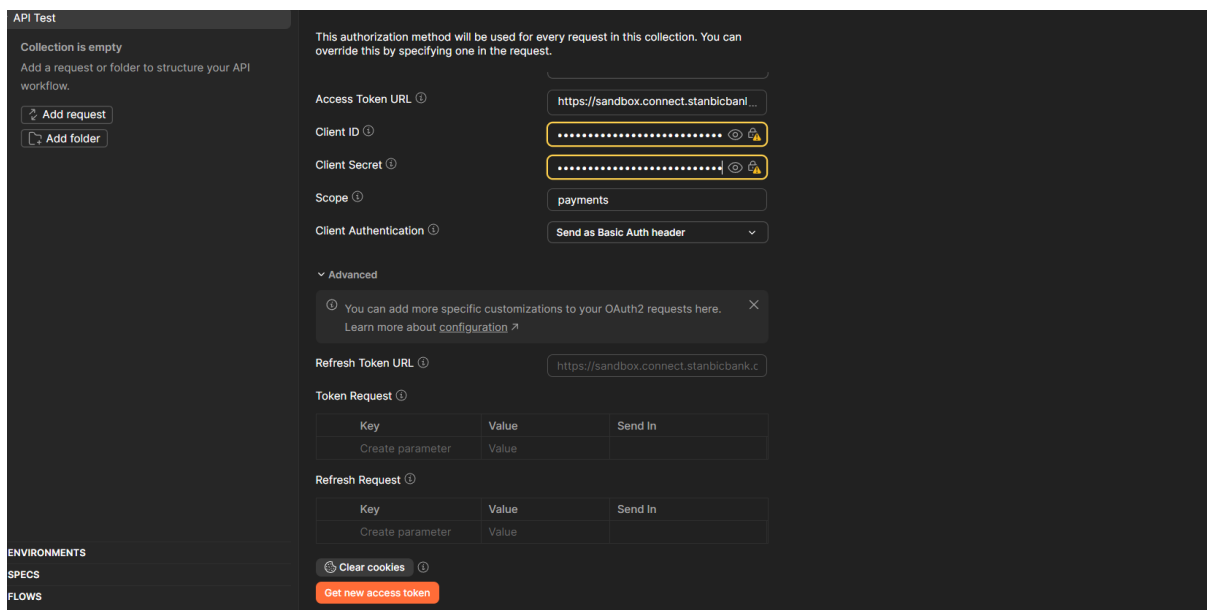
Click Edit Token Configuration.

Enter the following details:

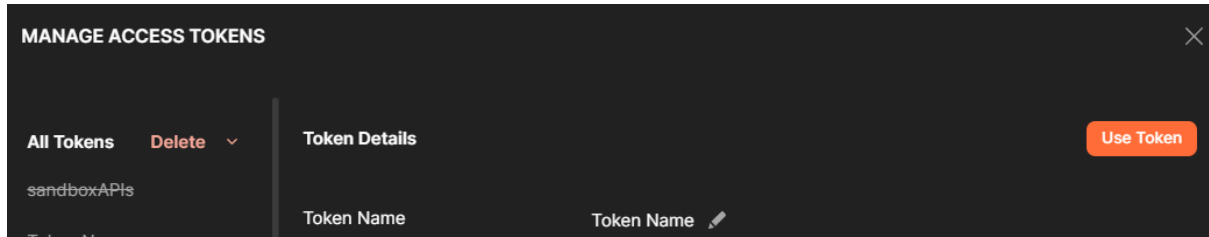
Field	Value
Access Token URL	Token URL copied from the portal
Client ID	Client Key
Client Secret	Client Secret



Scroll down and Click Get New Access Token.

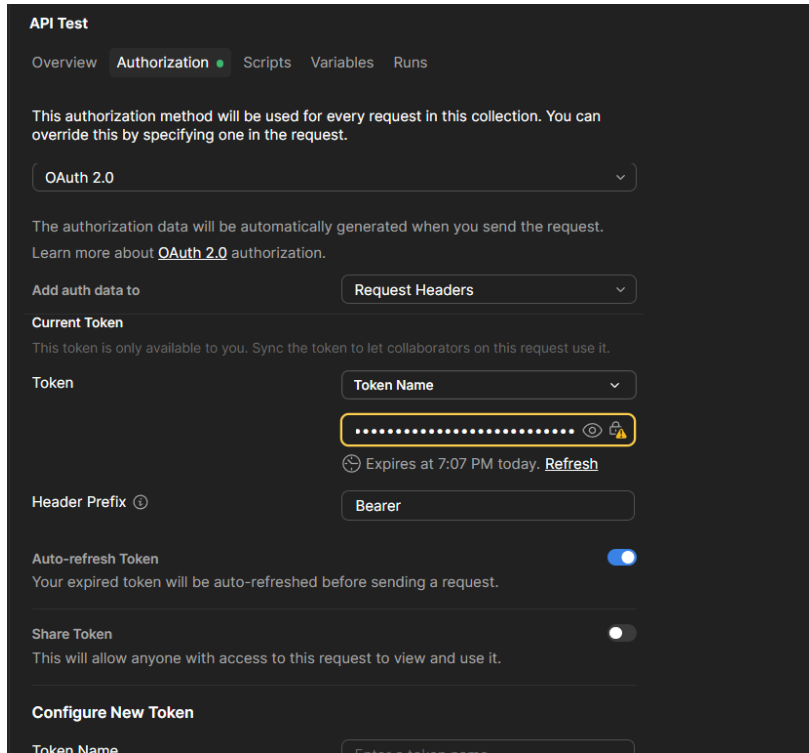


When the token is generated, click Use Token.



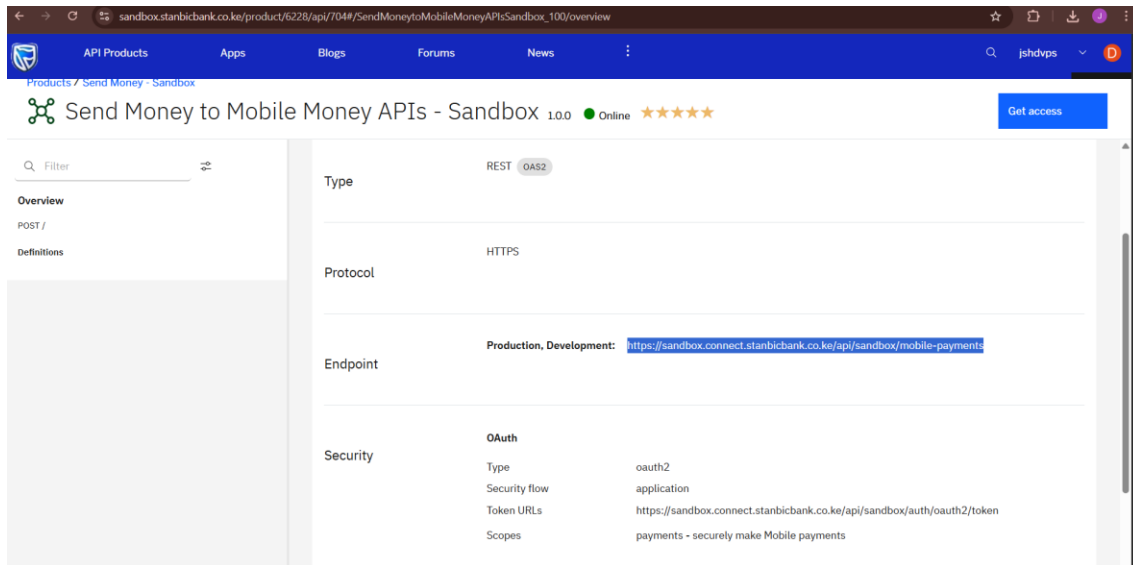
Important Note: The access token expires after 1 hour.

If your testing session continues beyond this time, generate a new token.

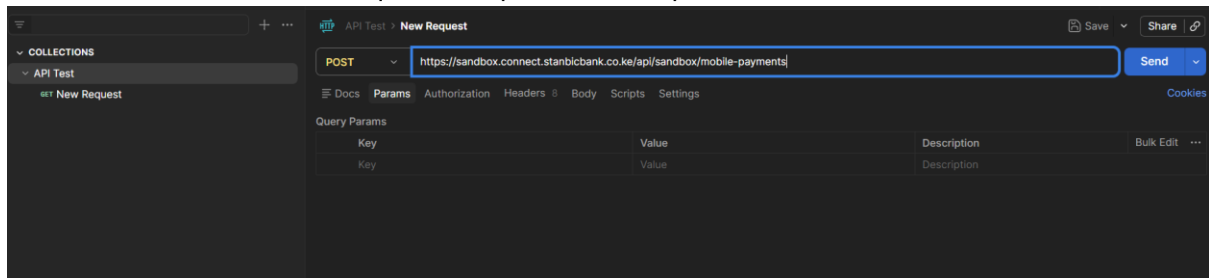


9. Sending an API Request

Scroll down to copy the API Endpoint URL from the developer portal.

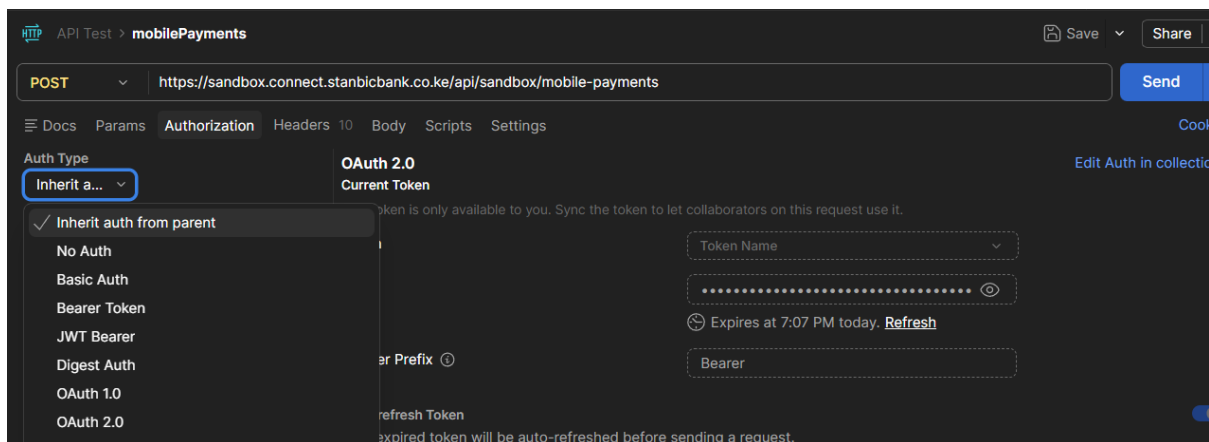


In Postman, create a New Request and paste the endpoint URL.



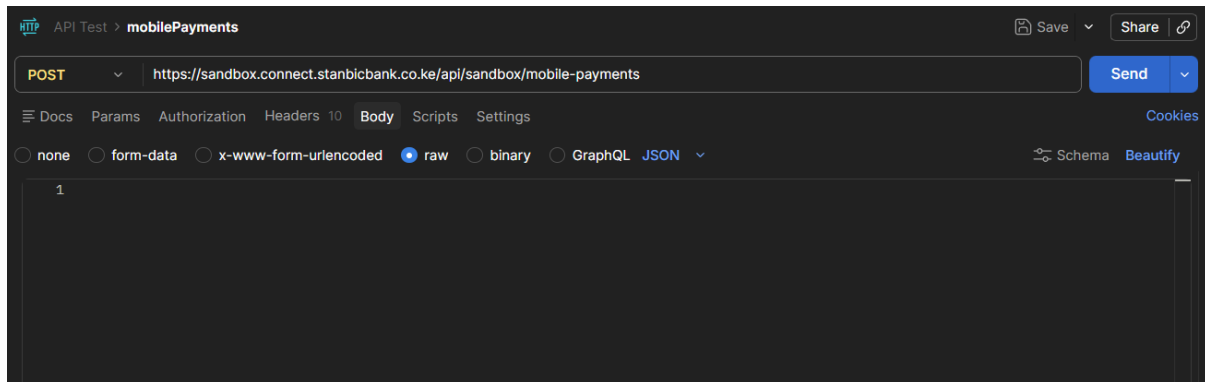
Configure the request:

- Authorization → Inherit Auth from Parent
- HTTP Method → POST

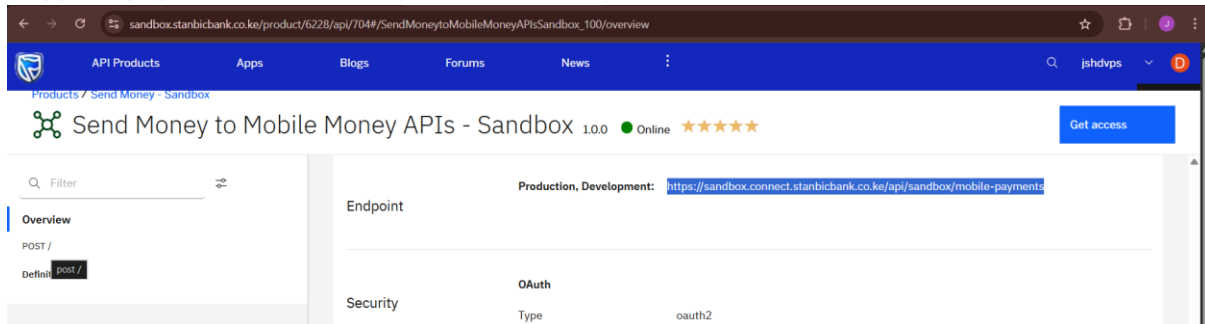


10. Adding the Request Payload

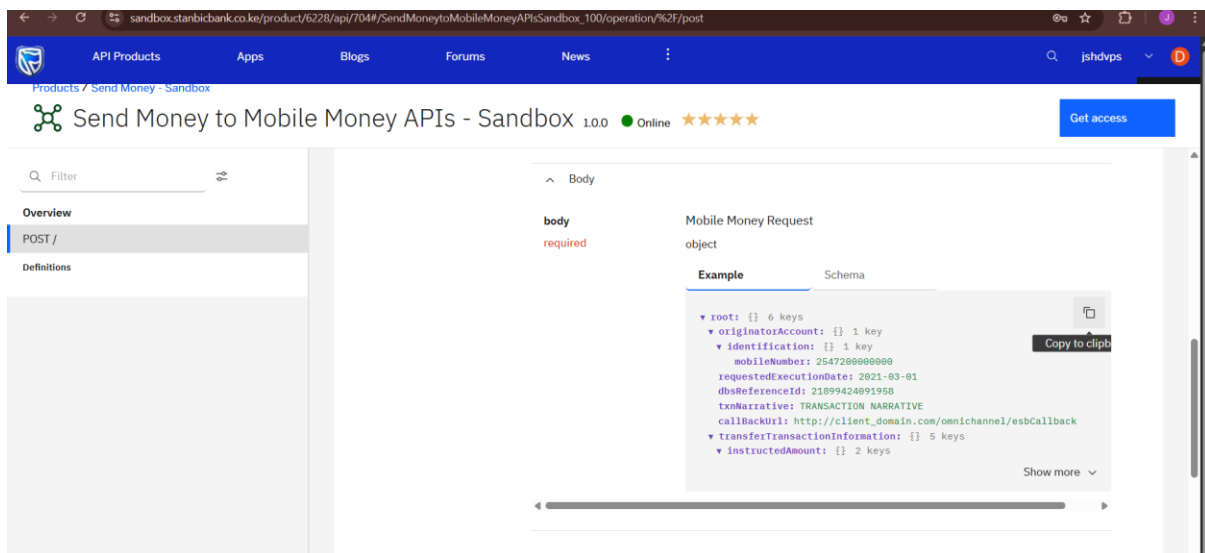
Click the Body tab and select Raw.



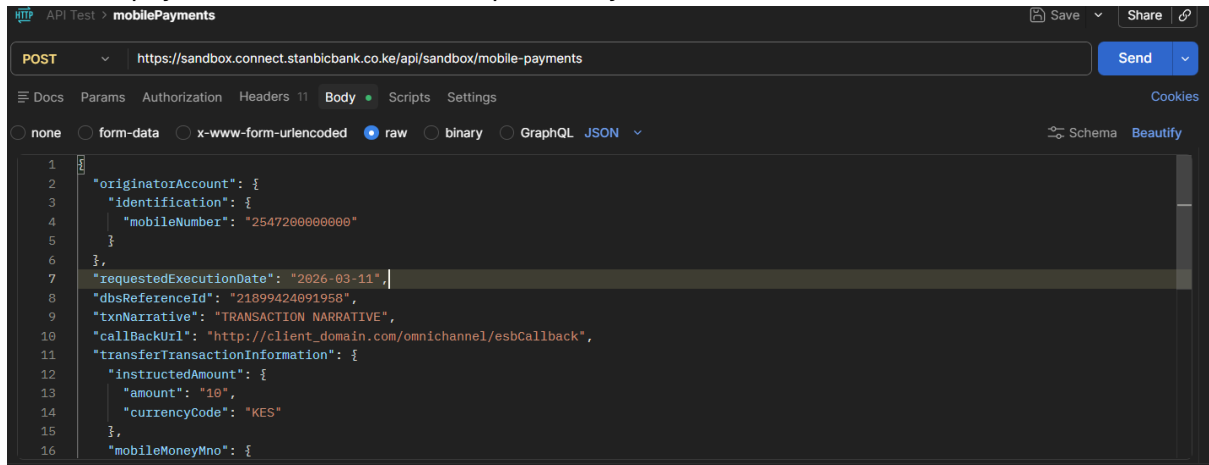
Copy the payload from the API documentation.



Scroll down to Body section and click on copy



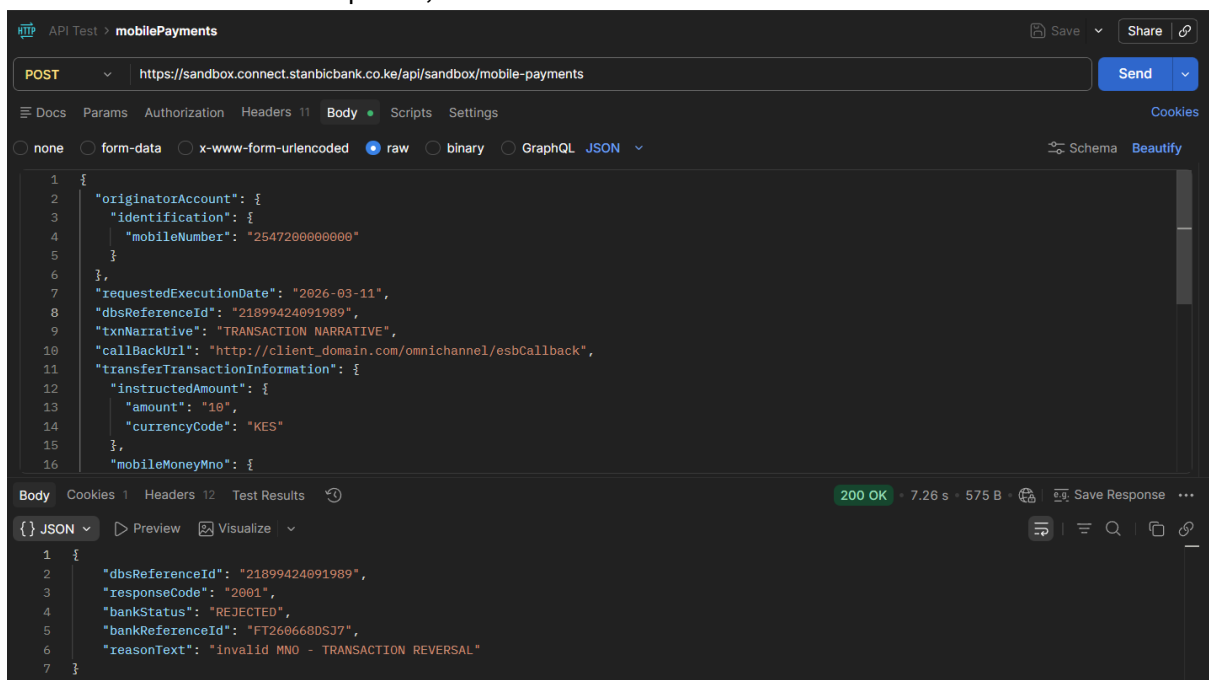
Paste the payload into the Postman request body.



11. Execute the API Test

Click Send and wait for the API response.

If the API returns a valid response, the connection test has been successful.



12. Expected Results

A successful test confirms that:

- API authentication is working
- The application is properly subscribed
- The gateway is accepting requests
- The API endpoint is reachable

13. Troubleshooting

Issue	Possible Cause	Solution
Unauthorized error	Invalid client credentials	Verify Client Key and Secret
Token expired	Token older than 1 hour	Generate a new token
Subscription error	API product not subscribed	Verify subscription in Apps section
Invalid request	Incorrect payload format	Verify payload structure

14. Test Completion

You have successfully completed the following:

- Created a developer account
- Registered an application
- Subscribed to an API product
- Generated an OAuth token
- Sent a successful API request

This confirms that API gateway connectivity is operational.