

## Introduction to KONG Konnect

### Overview

KONG Provides a centralized entry point for all incoming API traffic and monitor access to their APIs. It offers features such as rate limiting, authentication, authorization, and request/response transformations. It Provides a self-service portal for developers to discover, explore, and consume APIs.

### Environments in Berkley

- Pre-Production
- Production

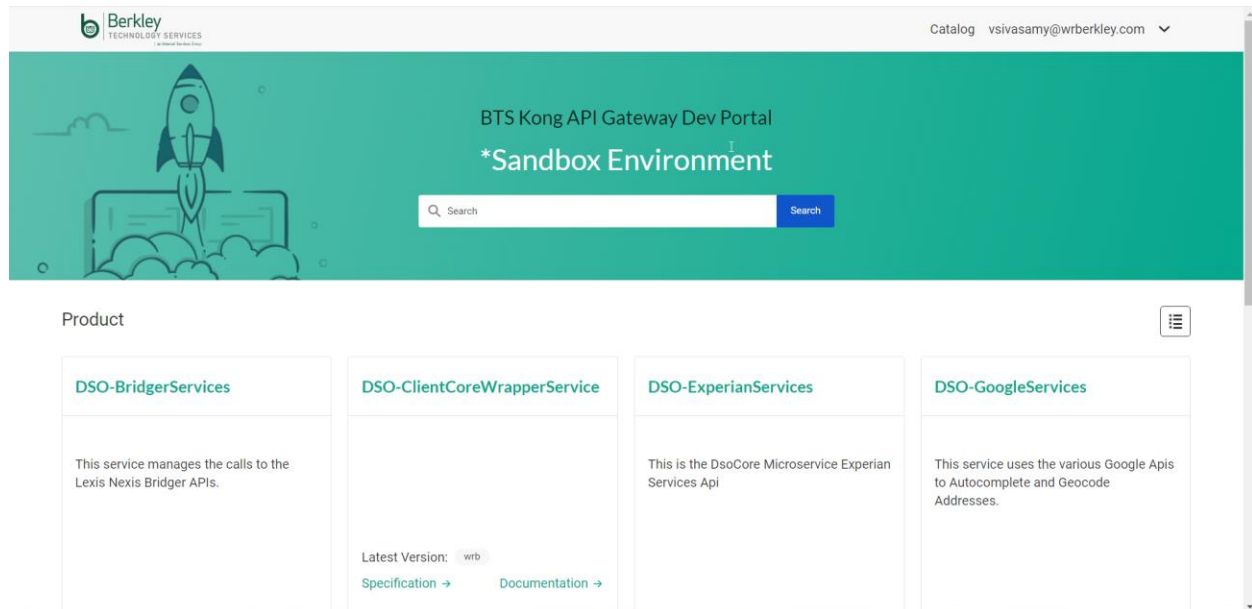
### Developer Portal

- **API Discovery and Access:** Developers can browse and search for APIs offered through.
- **Self-service Management:** Developers can manage their own API/Application credentials, including registering applications and API keys, reducing the burden on API creators.
- **Interactive Testing:** The Kong Developer Portal allows developers to test API endpoints directly within the portal

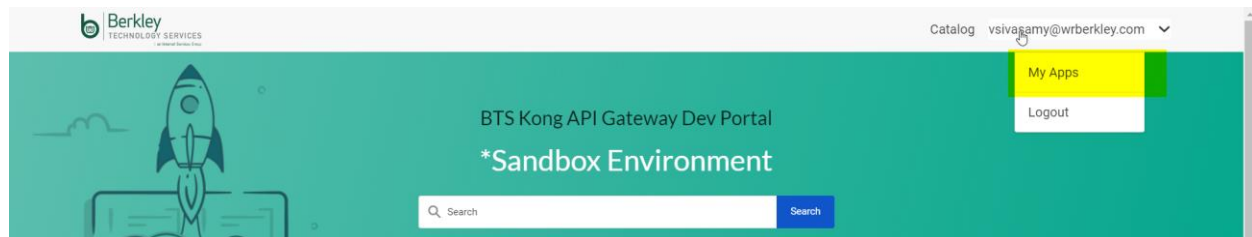
### Developer Portal Overview

#### Create new Application

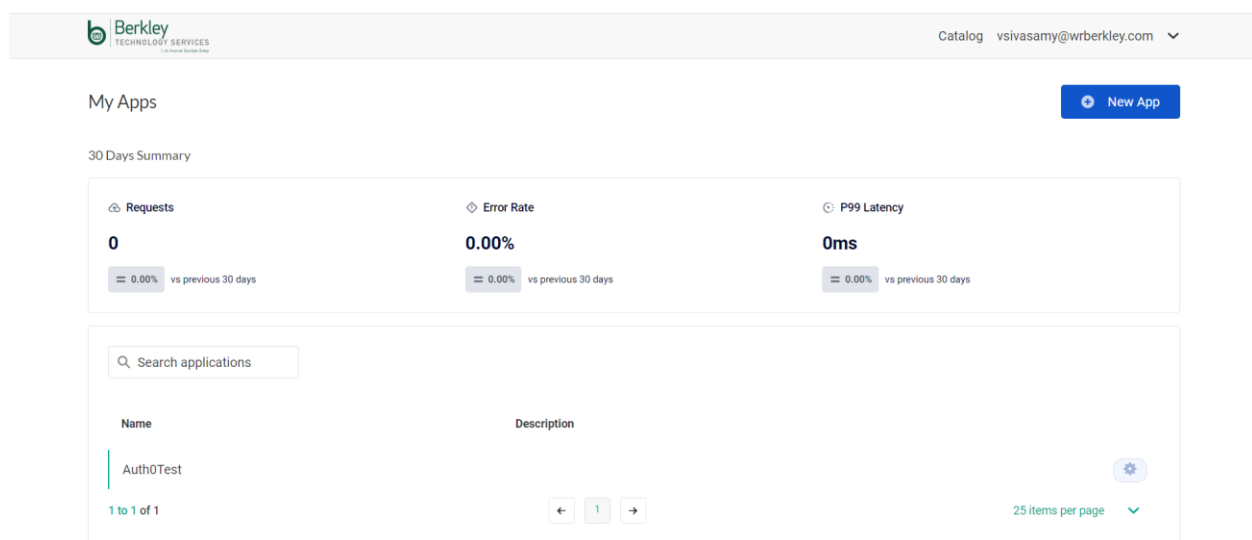
**Note:** Always Login with Service Account



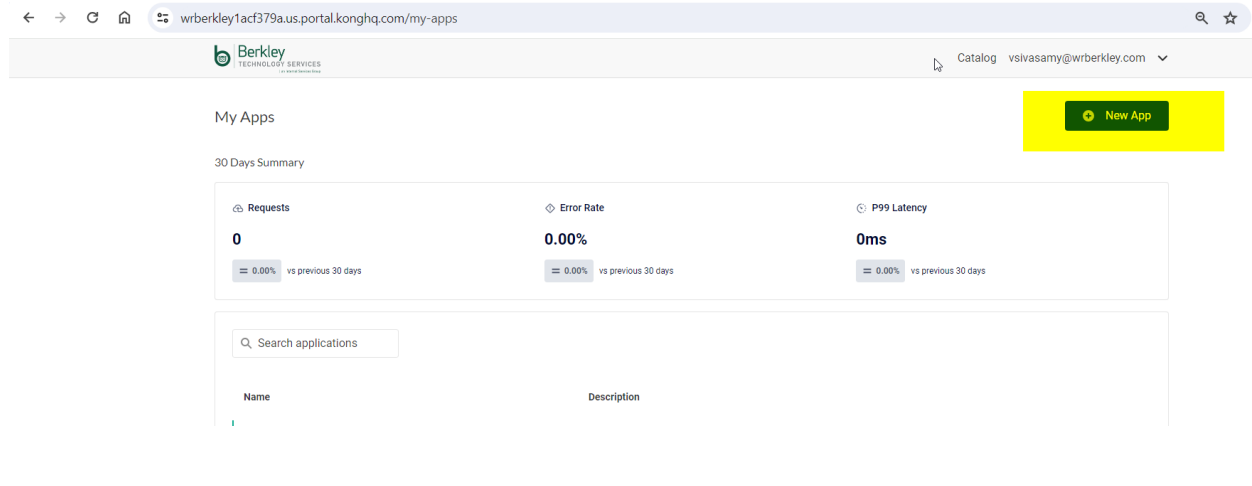
Click on '**My Apps**' to create new apps or view existing ones.



The current application details will be displayed.



Click "**New App**" to create new Application



Enter the required details to create an application

Create New Application

\* Indicates required field

Application Name\*

VigneshKONGTest

Auth Strategy\*

Default

Redirect URI

Description

0 / 2048

Create Cancel

**Note:** Once you click the "**Create**" button, KONG will display the Client ID and Client Secret. If you forget to note it down, you will need to contact the Platform Identity Management team with the Client ID to retrieve the Client Secret. Please note that the Client Secret will not be available in KONG.

Once the Application is created your application will be available in "**My Apps**"

My Apps >

Supported Application Auth Strategy: **Default** Credential Type: **Client Credentials**  
Auth Methods:  

Client Credentials Bearer

VigneshKONGTest Edit

Reference ID: 5iYe6k54SEecqKCSZMoc4nSJUR7366Ot

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30 Days Summary View analytics

Requests  
**0**  
vs 0.00% vs previous 30 days

Error Rate  
**0.00%**  
vs 0.00% vs previous 30 days

P99 Latency  
**0ms**  
vs 0.00% vs previous 30 days

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Authentication

| Client ID                        | Created Date                   |                            |
|----------------------------------|--------------------------------|----------------------------|
| 5iYe6k54SEecqKCSZMoc4nSJUR7366Ot | 2024-05-26 2:51:15 PM GMT+5:30 | <span>Refresh Token</span> |

## Subscribe to an API

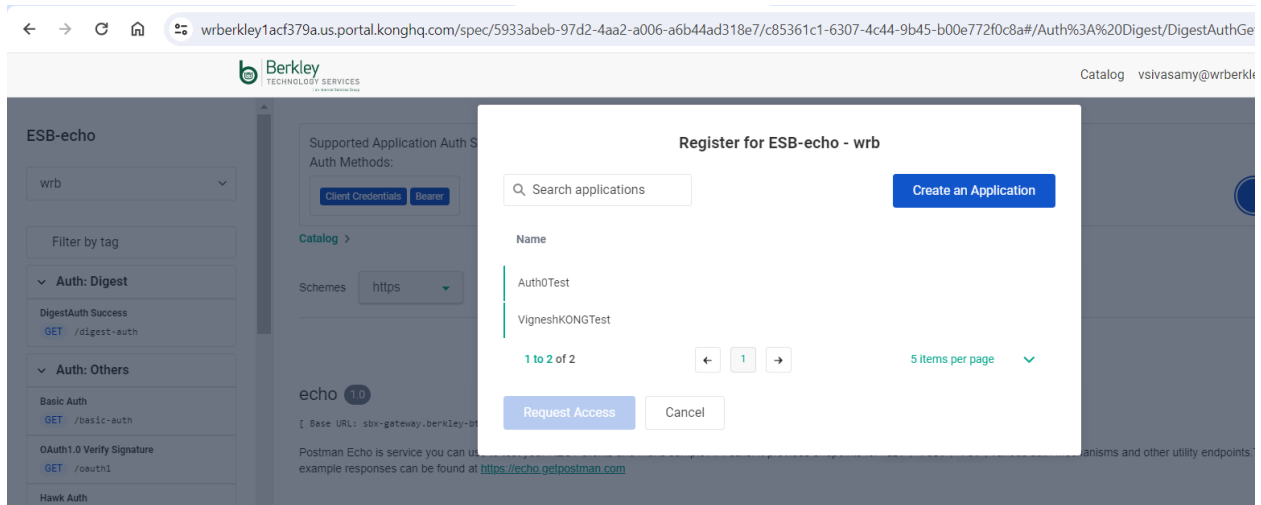
Once you created an application, you need to subscribe the required API's

Choose the API you want to subscribe from home screen

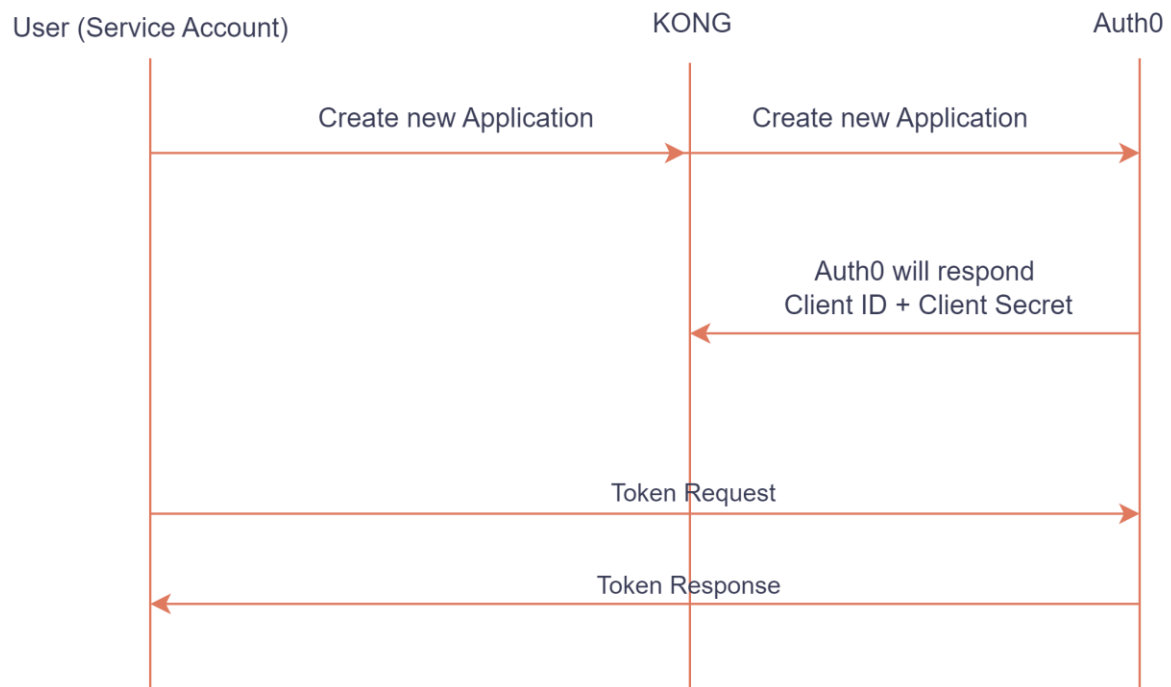
Click “**Register for WRB**”

The screenshot displays the Berkley Technology Services portal. On the left, a sidebar lists various APIs under the 'ESB-echo' category, including 'Auth: Digest', 'Auth: Others', 'Basic Auth', 'OAuth1.0 Verify Signature', 'Hawk Auth', and 'Cookies'. The main content area shows the details for the 'echo' API. It includes a 'Supported Application Auth Strategy' of 'Default' and 'Auth Methods' of 'Client Credentials' and 'Bearer'. A prominent yellow button labeled 'Register for wrb' is visible. Below this, the 'Catalog' section shows the 'echo' API with its base URL and a description. The 'Auth: Digest' section is expanded, showing the 'DigestAuth Success' endpoint with a 'GET' method and a '/digest-auth' path. The 'Auth: Others' section is also visible at the bottom.

Choose your application to subscribe to and click “**Request Access**”. API will be subscribed to an application



## WorkFlow



- The application team can create an application in Kong. This application can then be automatically created in Auth0 using the Management API. Once created, Kong will display the Client ID and Secret for the application.

- Developers can then subscribe to the application to the specific APIs it needs to access.

**These application credentials (Client ID and Secret) can be used for two main purposes:**

- **Authentication:** Verifying the identity of users trying to access the APIs/Application.
- **Authorization:** Determining whether users have permission to use specific APIs/Application.
- These credentials can be used to call other APIs available through Kong.

It's important to note that this is a basic setup using common Kong and Auth0 features. The specific configuration may vary depending on the unique workflow of each application.

### **Sample KONG access token**

```
{
  "alg": "RS256",
  "typ": "JWT",
  "kid": "pQnEGUBb9RfIAkb5Xyjt看"
}.{
  "client": "VigneshKONGTest",
  "iss": "https://apps-dev.wrberkley.auth0.com/",
  "sub": "5lYe6k54SEecqkCSZMoc4nSJUR7366Ot@clients",
  "aud": "urn:kong-poc:bts",
  "iat": 1716733119,
  "exp": 1716819519,
  "scope": "openid",
  "gtv": "client-credentials",
  "azp": "5lYe6k54SEecqkCSZMoc4nSJUR7366Ot",
  "permissions": [
```

"openid"

]

}.[Signature]