

A

User Guide

ON

# API Hub Portal

(Version-1.0)

*Developed by*  
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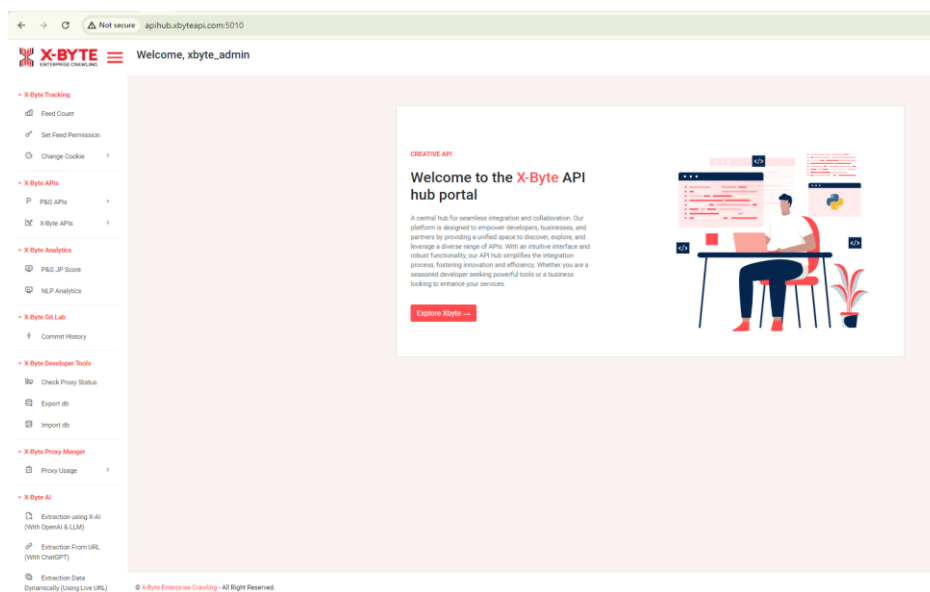
## Introduction

### 1.1 Project Profile:

- This portal based on X-Byte Central hub, where user can experience seamless integration and collaboration
- X-Byte API hub portal is Our platform is designed to empower developers, businesses, and partners by providing a unified space to discover, explore, and leverage a diverse range of APIs. With an intuitive interface and robust functionality, our API hub simplifies the integration process, fostering innovation and efficiency. Whether you are a seasoned developer seeking powerful tools or a business looking to enhance your services.
- The platform also includes miscellaneous activities that automated & centralized like: change cookie, Glacier Feed tracking, API monitor, Git commit history, Proxy usage report, LLM, etc.

### 1.2 Core Components:

- The project is developed using mentioned technologies
  - Backend – Python (V: 3.9)
  - Frontend – Bootstrap5 (Farmwork for HTML, CSS, JavaScript)
  - Framework – Django (V: 4.1.12)
  - Database –
    - MySQL
    - MongoDB
  - Deployment – Nginx
  - OS – Linux ubuntu

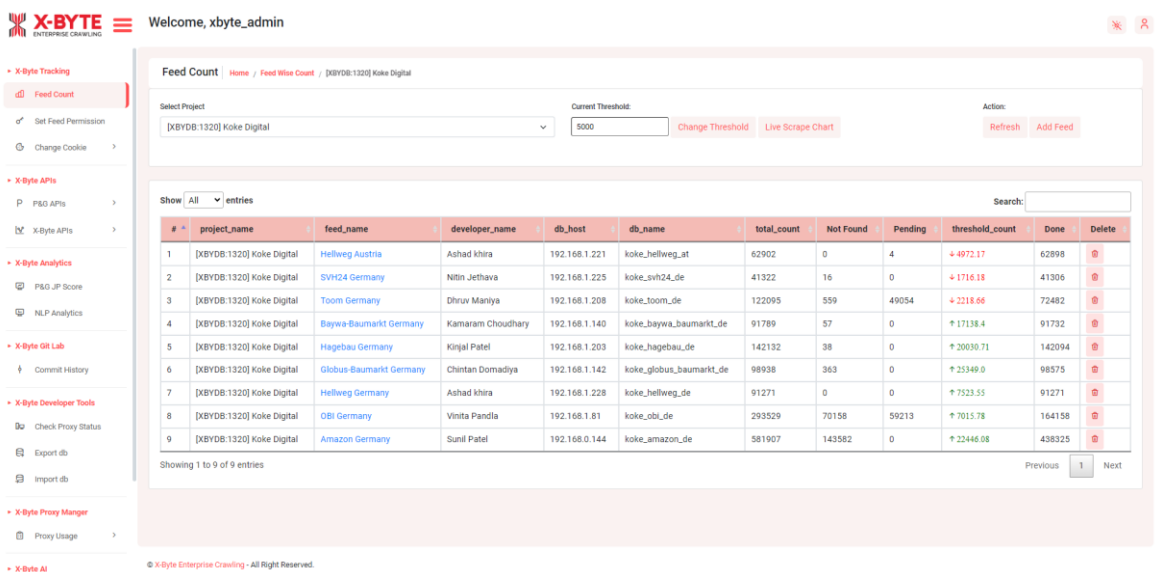
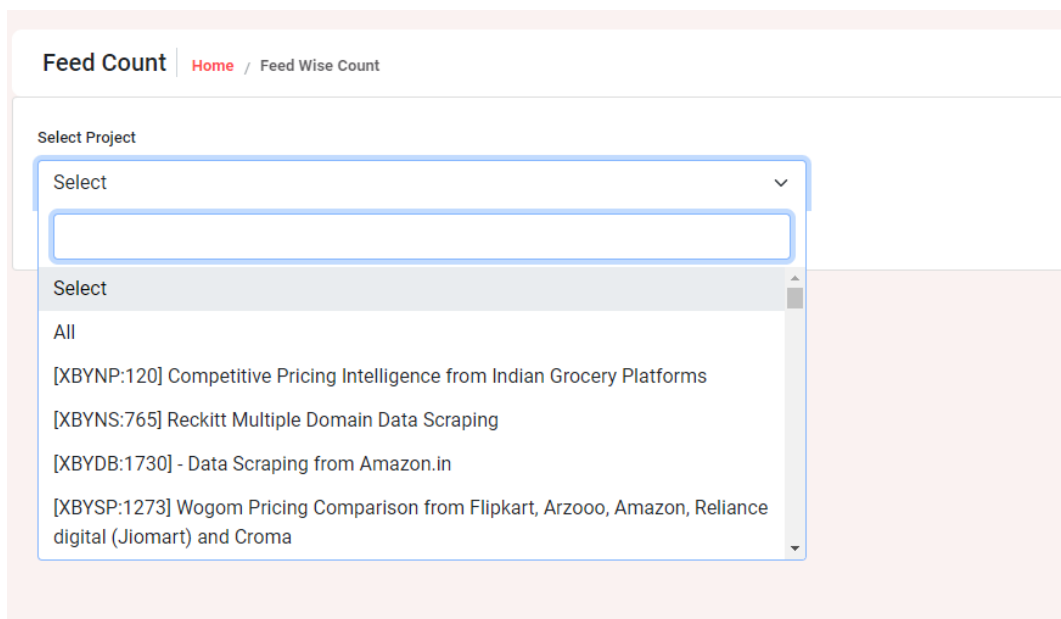


# Development

## 2.1. Working Model and Working Project Screenshots

- **Feed Count**

- The Feed Count will display the Total feed along with Glacier projects, and display the list of feed available project wise
- Where user needs to update the feed details to fetch the count & will show the live counts from database of respective feed



## • Set Feed Permission

- This option not available for all users, admin can select the feed permission for any user that which feed should displayed for which user
- Admin can change/update/add/delete Feed Permission

The screenshot shows the 'Set Feed Permission' interface in the X-Byte dashboard. The page title is 'List Feed' and the breadcrumb is 'Home / Set Permissions'. There is a search bar for 'User' and 'Feed', and a 'Submit' button. Below this is a table of 'Permitted Projects' with columns for 'User', 'Project', and 'Delete'.

User	Project	Delete
ashad_khira	[XB:YDB:1320] Koke Digital	[X]
kamaram_choudhary	[XB:YDB:1320] Koke Digital	[X]
suraj_mehta	[XB:YDB:1320] Koke Digital	[X]
rahu_rathor	[XB:YDB:1320] Koke Digital	[X]
parth_khokhra	[XB:YDB:1320] Koke Digital	[X]
rohit_yadav	[XB:YDB:1320] Koke Digital	[X]
mansi_panchal	[XB:YPS:1947] LinkedIn API for Sulaim [POC]	[X]
amit_yadav	[XB:2485] LinkedIn Posts and Profile Data Extraction_Merlin Media	[X]
priyanka_solanki	[XB:YPS:1947] LinkedIn API for Sulaim [POC]	[X]
priyanka_solanki	[XB:2485] LinkedIn Posts and Profile Data Extraction_Merlin Media	[X]
mansi_panchal	[XB:2485] LinkedIn Posts and Profile Data Extraction_Merlin Media	[X]
nikhil_trivedi	[XB:YPS:1947] LinkedIn API for Sulaim [POC]	[X]

## • Change Cookie

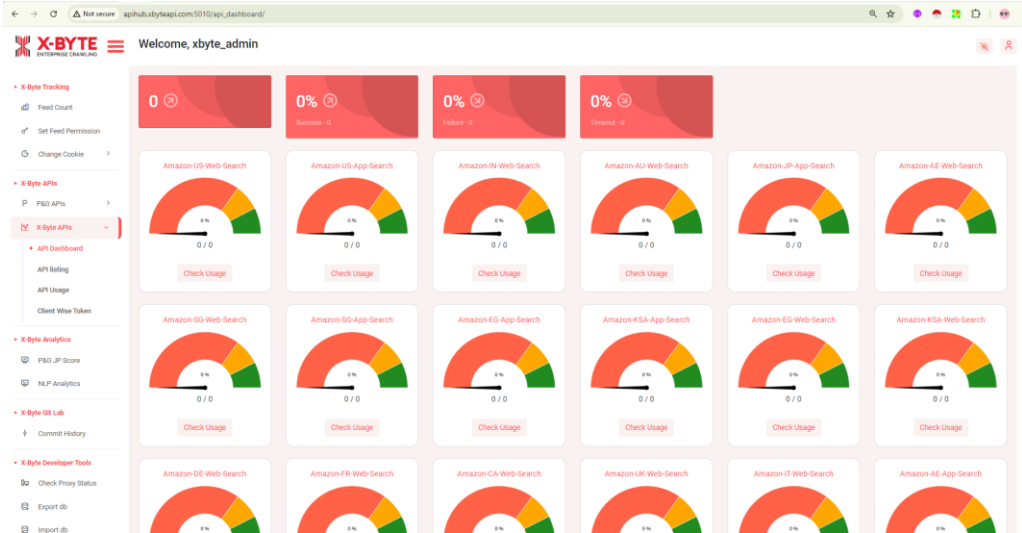
- Sometimes BAU requires to change cookies manually in notepad file, python file or in Database
- To make the same User Friendly, we created model "Change Cookie" where BAU can change the cookie through dashboard (Project wise)

The screenshot shows the 'Change Cookie' interface in the X-Byte dashboard. The page title is 'P&G AMA Cookie' and the breadcrumb is 'Home / Change Cookie'. There is a search bar and a table with columns for 'No', 'Endpoint', 'Current Cookie', and 'Change Cookie'.

No	Endpoint	Current Cookie	Change Cookie
1	shopee_id	__LOCALE__null-ID: csrftoken=Cjpktr50KwqAcv4EihmBakBFwoSPo6; _gcl_Lau=1.1.1945618737.1707819478; SPC_SI=q BZQAAAABIM0c1UVRN90dqAAAAAUGRZTIVS0Q=; SPC_SEC_SI=v1-	Change
2	shopee_my	12346	Change
3	shopee_ph	sample_cookie	Change
4	shopee_sg	sample_cookie	Change
5	shopee_th	sample_cookie	Change
6	shopee_vn	sample_cookie	Change

- **API dashboard**

- This is an API dashboard where most of X-Byte APIs are integrated, so the user can manage APIs, check the log, status & manage the API key as well



The API Listing page shows a table of 10 available APIs. The table has columns for #, API Name, Website, Region, Description, Category, Is Active, and Actions.

#	API Name	Website	Region	Description	Category	Is Active	Actions
1	Amazon-US-Web-Search	Amazon	US	The API Scrape the data from Amazon United State E-commerce Platforms for WEB.	Ecommerce	Yes	[Edit] [Delete] [Refresh] [Stop]
2	Amazon-US-App-Search	Amazon	US	The API Scrape the data from Amazon United State E-commerce Platforms for WEB.	Ecommerce	Yes	[Edit] [Delete] [Refresh] [Stop]
3	Amazon-IN-Web-Search	Amazon	IN	The API Scrape the data from Amazon India E-commerce Platforms for WEB.	Ecommerce	Yes	[Edit] [Delete] [Refresh] [Stop]
4	Amazon-AU-Web-Search	Amazon	AU	The API Scrape the data from Amazon AU E-commerce Platforms for WEB.	Ecommerce	Yes	[Edit] [Delete] [Refresh] [Stop]
5	Amazon-JP-App-Search	Amazon	JP	The API Scrape the data from Amazon United State E-commerce Platforms for WEB.	Ecommerce	Yes	[Edit] [Delete] [Refresh] [Stop]
6	Amazon-AE-Web-Search	Amazon	AE	The API Scrape the data from Amazon AE E-commerce Platforms for WEB.	Ecommerce	Yes	[Edit] [Delete] [Refresh] [Stop]
7	Amazon-SG-Web-Search	Amazon	SG	The API Scrape the data from Amazon SG E-commerce Platforms for WEB.	Ecommerce	Yes	[Edit] [Delete] [Refresh] [Stop]
8	Amazon-SG-App-Search	Amazon	SG	The API Scrape the data from Amazon SG E-commerce Platforms for APP.	Ecommerce	Yes	[Edit] [Delete] [Refresh] [Stop]
9	Amazon-EG-App-Search	Amazon	EG	The API Scrape the data from Amazon EG E-commerce Platforms for APP.	Ecommerce	Yes	[Edit] [Delete] [Refresh] [Stop]
10	Amazon-KSA-App-Search	Amazon	KSA	The API Scrape the data from Amazon KSA E-commerce Platforms for APP.	Ecommerce	Yes	[Edit] [Delete] [Refresh] [Stop]

The Records page for 'Amazon-US-Web-Search' shows summary statistics and a detailed log table. The summary shows 666 total records, 632 successful, 34 failures, and a 94.89% success percentage.

status_code	request_received_time	process_time	request_url	response	request_ip	api_key	endpoint	id_field
200	2024-06-01 00:30:04	3.395989179611206	https://ecommerce.xbyte.io/S...	View Response	103.240.32.158	test_key	amazon_us_web_search	665e68f59cf
200	2024-06-01 01:30:04	6.14866620254517	https://ecommerce.xbyte.io/S...	View Response	103.240.32.158	test_key	amazon_us_web_search	665a79a233cc
200	2024-06-01 02:30:04	5.959179639816284	https://ecommerce.xbyte.io/S...	View Response	103.240.32.158	test_key	amazon_us_web_search	665a87b103d9
200	2024-06-01 03:30:04	5.1914684772491455	https://ecommerce.xbyte.io/S...	View Response	103.240.32.158	test_key	amazon_us_web_search	665e95c103d9
200	2024-06-01 04:30:04	6.678273439407349	https://ecommerce.xbyte.io/S...	View Response	103.240.32.158	test_key	amazon_us_web_search	665aa3c3fd9c
200	2024-06-01 05:30:03	2.6688830852508545	https://ecommerce.xbyte.io/S...	View Response	103.240.32.158	test_key	amazon_us_web_search	665ab1de6558
200	2024-06-01 06:30:04	4.734989404678345	https://ecommerce.xbyte.io/S...	View Response	103.240.32.158	test_key	amazon_us_web_search	665abff06cfe7

- X-Byte Analytics

- This page is dedicated to an Analytics of the data which is scraped & stored in DB

Welcome, xbyte\_admin

**Title score** [CSV] [Excel] [PDF] Last Week Title mm/dd/yyyy mm/dd/yyyy Fetch

Show: All entries Search:

URL	Itemid	shopid	PSKU	07/03/2024	07/04/2024	07/05/2024	07/06/2024	07/07/2024	07/08/2024	07/09/2024	Average
https://item.rakuten.co.jp/kurashikenkou/7134740	7134740	235962	YES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
https://item.rakuten.co.jp/kurashikenkou/7174020	7174020	-	YES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
https://item.rakuten.co.jp/kurashikenkou/7174545	7174545	235962	YES	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
https://item.rakuten.co.jp/kurashikenkou/7175760	7175760	235962	YES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
https://item.rakuten.co.jp/kurashikenkou/7196124	7196124	235962	YES	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
https://item.rakuten.co.jp/kurashikenkou/7254883	7254883	235962	YES	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
https://item.rakuten.co.jp/kurashikenkou/7254886	7254886	-	YES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
https://item.rakuten.co.jp/kurashikenkou/7260598	7260598	235962	YES	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
https://item.rakuten.co.jp/kurashikenkou/7260629	7260629	235962	YES	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
https://item.rakuten.co.jp/kurashikenkou/7260653	7260653	235962	YES	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
https://item.rakuten.co.jp/kurashikenkou/7263145	7263145	235962	YES	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
https://item.rakuten.co.jp/kurashikenkou/7263157	7263157	235962	YES	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
https://item.rakuten.co.jp/kurashikenkou/7263177	7263177	235962	YES	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
https://item.rakuten.co.jp/mamababy/7252902	7252902	-	YES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
https://item.rakuten.co.jp/mamababy/7252904	7252904	-	YES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
https://item.rakuten.co.jp/mamababy/7252916	7252916	-	YES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Showing 1 to 189 of 189 entries

- NLP Analytics

- This Analytics are based on NLP (Natural language processing) which compares two columns (Product title) & gives the output based on Fuzzy Algorithm & Jaccard Algorithm.

Welcome, xbyte\_admin

**Match Strings** Home / NLP

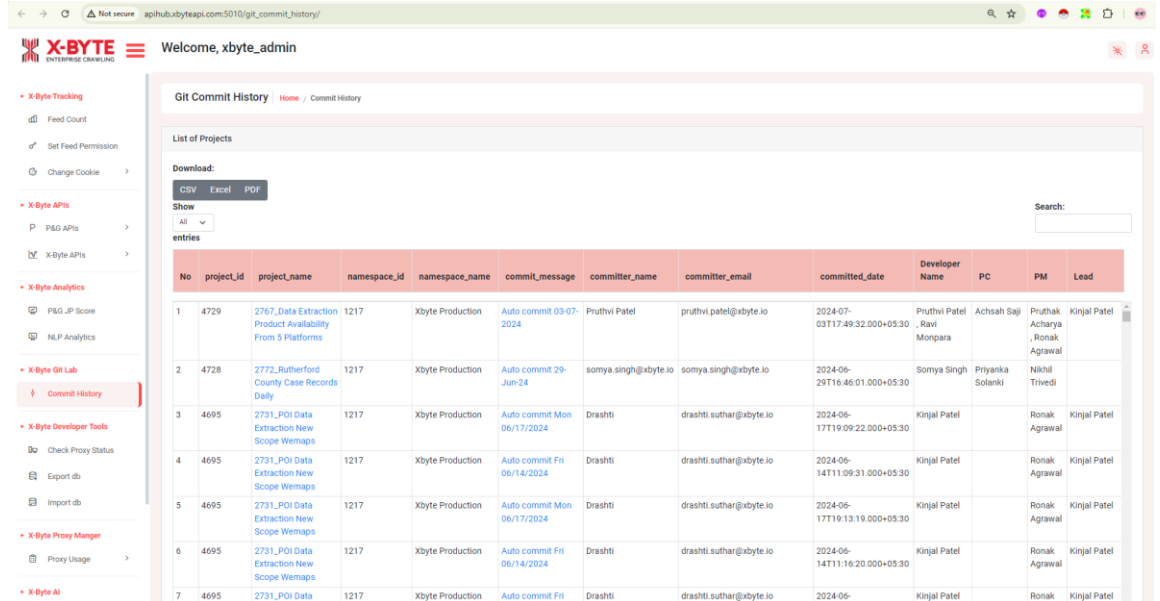
Dataset: Ecommerce\_dataset action: Filter Download: CSV Excel PDF Upload Dataset: Upload

Show: 250 entries Search:

No	String 1	String 2	Fuzzy Algorithm	Jaccard Algorithm
82	Garnier Bright Complete Anti-Acne facial cleansing foam for acne-prone skin, 100 ml, 2 pieces. For oily skin GARNIER ANTI-ACNE FOAM 100ML 2 Pcs (foam for acne-prone skin/Garnier foam/cleansing)	skin/Garnier foams/cleansing) For for facial Garnier cleansing ml, Bright skin (foam Anti-Acne GARNIER FOAM Complete pieces. acne-prone 2 100 100ML for oily 2 Pcs ANTI-ACNE acne-prone skin, foam	14.51	100
5	Dove Cream Beauty Bathing Bar 8x125g (Pack of 8)	Apple iPhone 15 Pro Max (256 GB) - Black Titanium	20.62	0.0
81	[Only 644 - left with code 'GARN12D05'] Set of Garnier Bright Complete Booster Serum 30 ml + Day 50 ml + Night Cream 50 ml. Garnier Bright Complete Serum set. Serum for clear face., Vitamin C serum, face cream, moisturizer	50 Serum Night Set Booster ml. Day cream, ml. Complete with clear left Garnier . Bright 'GARN12D05' face. 644 - serum, Vitamin 30 for set. ml. Garnier face Serum C moisturizer Bright of code 50 + + Cream Serum [Only Complete	20.89	100
76	De Paris fabric softener, De Paris refill bag, 540 ml., 2 pieces	540 De refill ml., pieces De Paris 2 bag, softener, Paris fabric	23.44	100
55	[Pair] Olay Total Effects 7 in 1 Day + Night Cream Serum and anti-wrinkle cream.	anti-wrinkle + cream. in Effects and Day Cream Olay [Pair] Night 1 7 Serum Total	23.75	100
94	Fineline Laundry Detergent Plus Sunny Gold 700 ml. Gold Color	Gold Color Plus Sunny Detergent ml. 700 Gold Fineline Laundry	26.23	100
30	[Value Pack] Pantene Pantene Hair Care Shampoo 380 ml. + Concentrated Collagen Hair Conditioner 270 ml.	Hair + 270 Hair Care ml. [Value ml. Pack] 380 Shampoo Collagen Concentrated Conditioner Pantene Pantene	27.18	100
63	[Buy 2 Get 1 Free] Downy Downy Liquid Detergent, laundry detergent Indoor Dry Formula 550 ml x3 packs Laundry Detergent Indoor Dry	Indoor Downy [Buy 1 ml Get Detergent, detergent Formula packs 550 2 x3 Laundry Downy laundry Dry Indoor Liquid Detergent Free] Dry	29.23	100

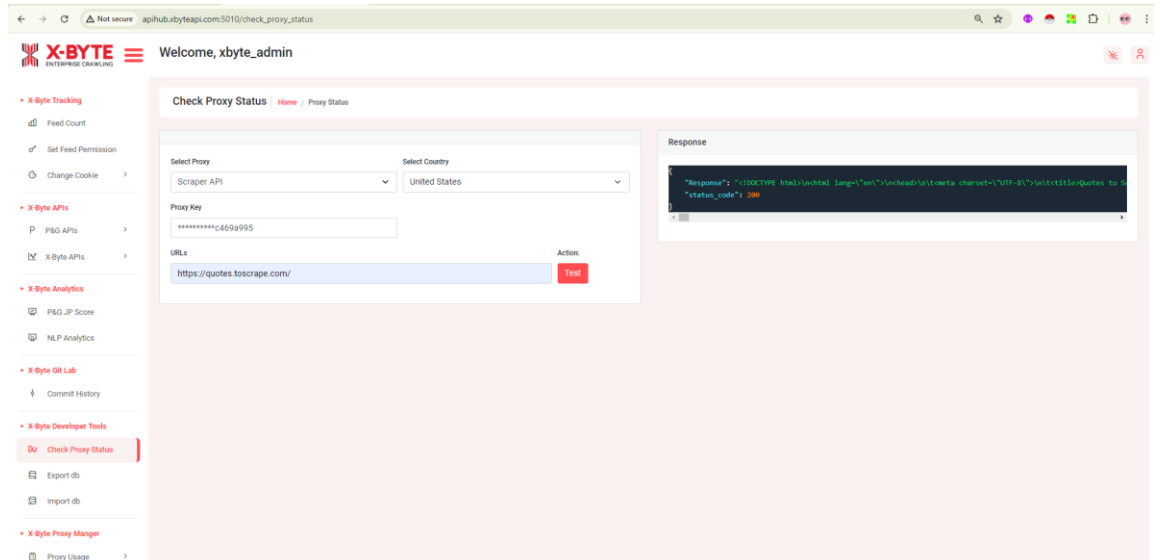
- **Git Commit History**

- This tab fetch all commit history among the X-Byte Gitlab server & display the data



- **Check Proxy Status**

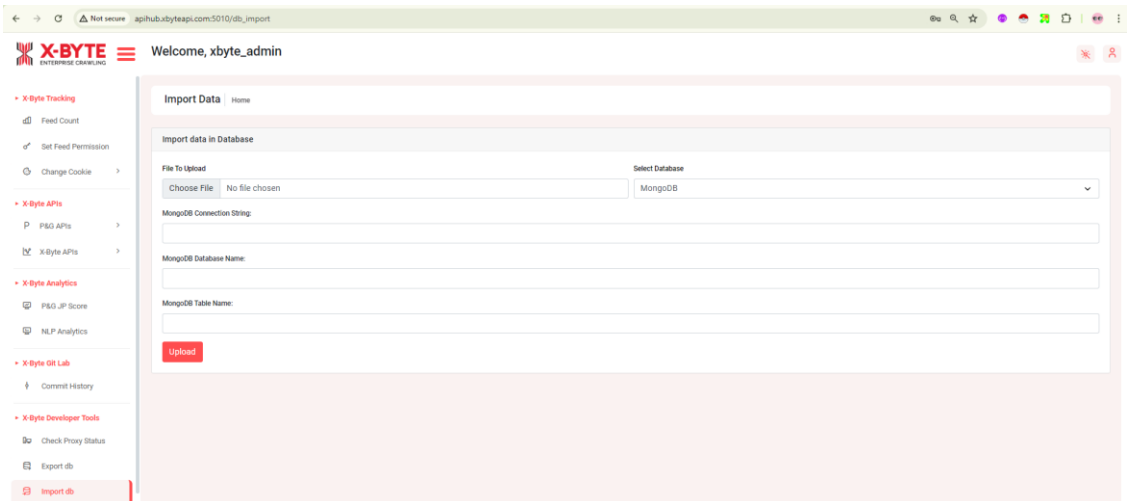
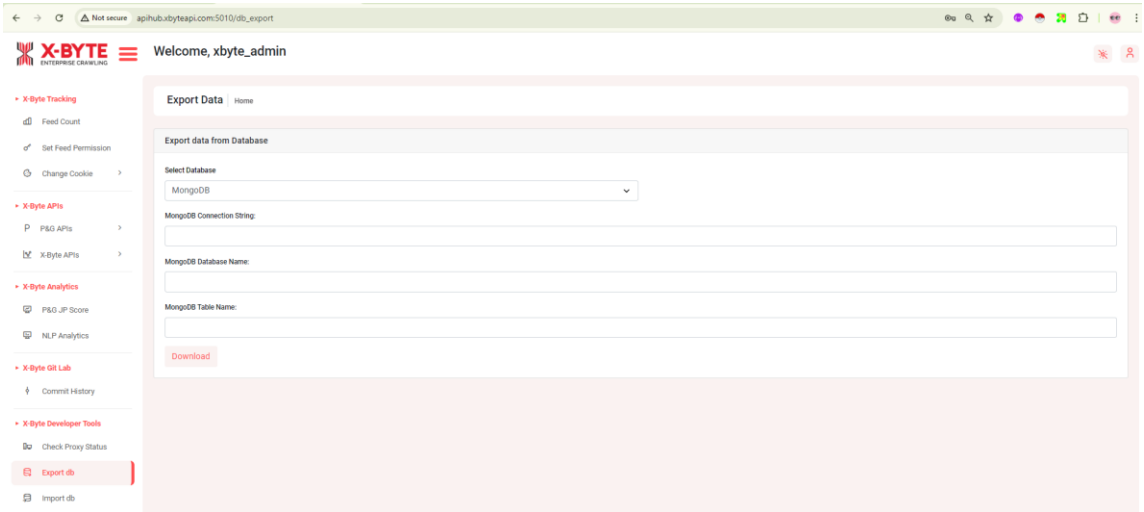
- With the help of this tab, user can check any Proxy status of listed proxies





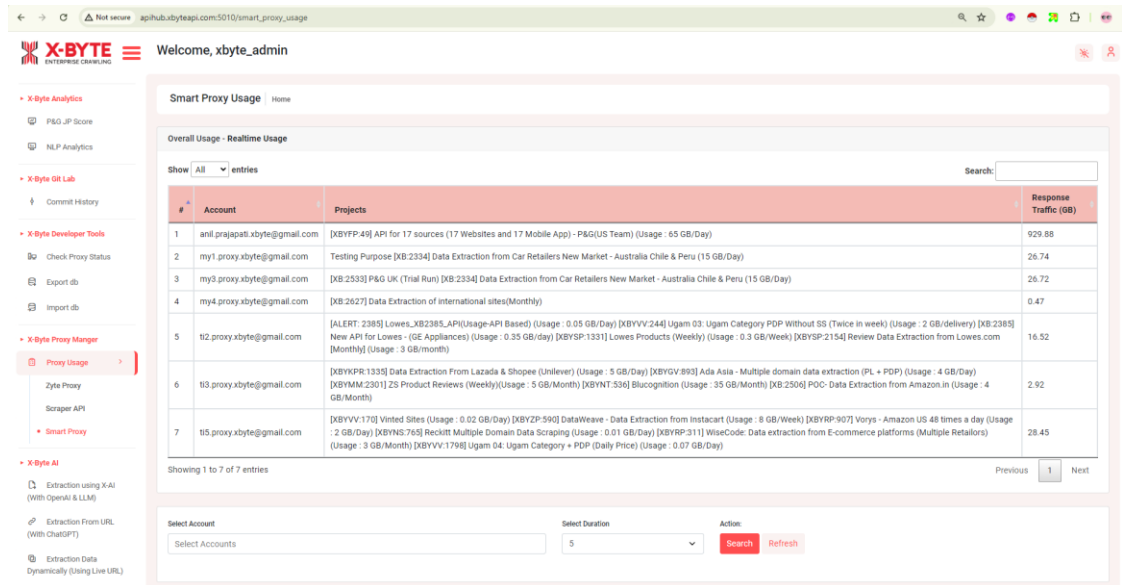
- **DB Import / Export**

- This tab will help you to Export / Import the file with Database



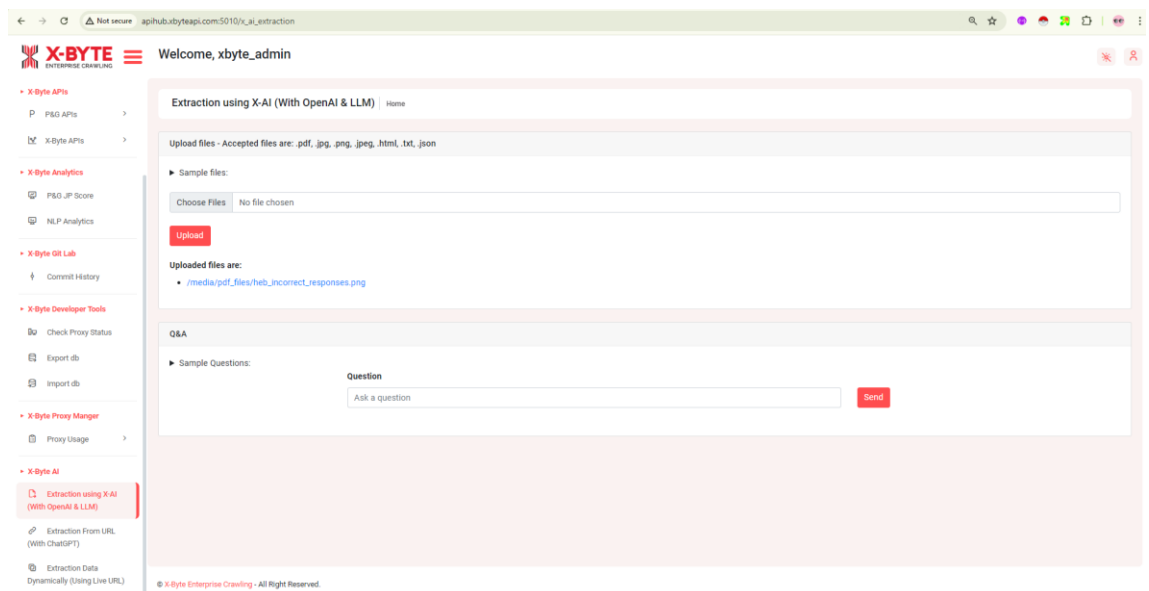
- **X-Byte Proxy Manager**

- This tab will display the real-time usage of listed proxy (Account wise)



- **X-Byte AI**

- With the help of the X-Byte AI you can ask the question to AI with your selected files like Chat-GPT (4o Model)



## Conclusion

- In this project, we successfully developed the X-Byte API hub portal with Python, aiming to streamline and centralized the challenges within our organization. The project objectives were to create a robust and efficient dashboard that would handle various tasks.

## Reference

- Here is the private GitLab repo of the project:
  - [http://192.168.2.120/ashad.khira/api\\_hub\\_portal](http://192.168.2.120/ashad.khira/api_hub_portal)
- Here is the public URL for the dashboard
  - <http://apihub.xbyteapi.com:5010/>