

Operational Stack User Manual For Data Ingestion & Extraction Application

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Introduction:

The Operational Stack is a service layer that includes the data ingestion pipeline, extraction pipeline, process log, and activity log menus. In contrast, the Data Vault operates as a separate service layer.

Data Ingestion Pipelines are essential components that facilitate the collection, processing, and loading of data from various sources into a designated system or storage. This structured and efficient transfer enables organizations to harness data for analytics, reporting, and decision-making purposes. The design of data ingestion pipelines is adaptable to specific requirements, accommodating various data sources and target systems.

Data Extraction Pipelines involve a series of processes and tools aimed at collecting, transforming, and loading data from multiple sources into a standardized format or system. This process involves extracting relevant information from databases, files, web pages, APIs, and other structured or unstructured data formats. The primary goal is to streamline data collection, transform it consistently, and load it into a central repository for further analysis and utilization. Data extraction pipelines are crucial for data integration, migration, and warehousing initiatives, empowering organizations to leverage data effectively for decision-making and insights.

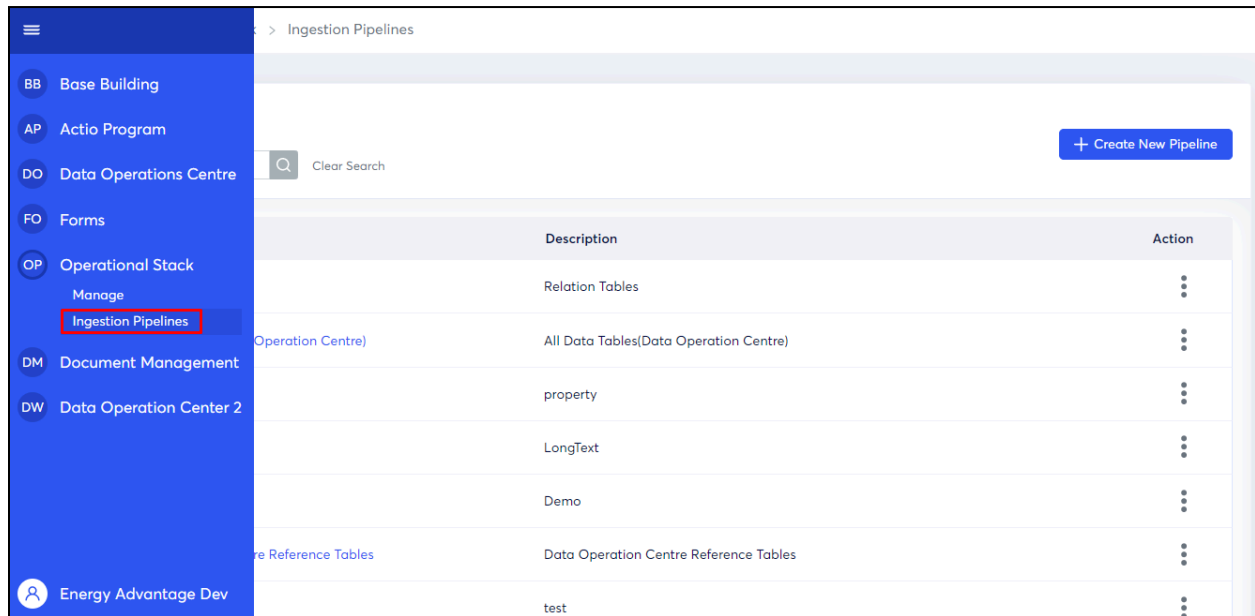
Process Logs are records that track the execution of data ingestion and extraction processes within a system or application. They typically include detailed information such as timestamps, statuses, error messages, and the outcomes of each process. Process logs are essential for monitoring, debugging, and auditing, as they provide insights into system operations and help identify and resolve any issues that may arise during execution.

Activity Logs serve as a logging system that records all activities related to data ingestion and extraction. They capture detailed information about each action taken within these processes, aiding in the monitoring and tracking of activities.

Ingestion Pipeline:

Getting started:

- Go to the **Operational Stack**.
- Go to the **Ingestion Pipelines** page.

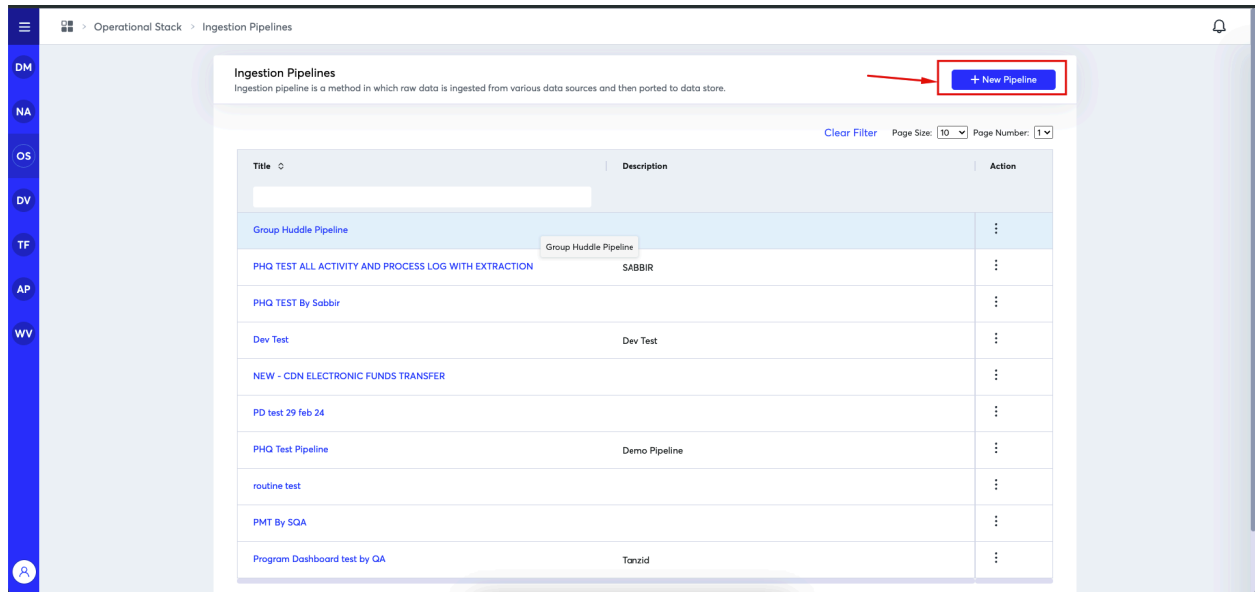


Create Pipeline:

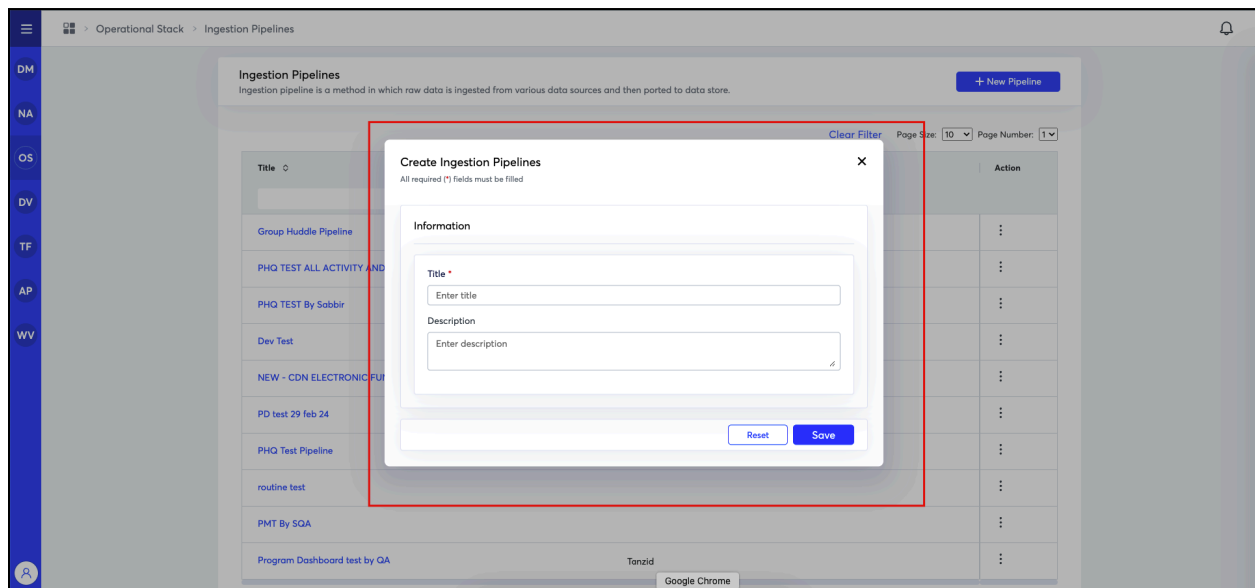
Description: The primary purpose of the application is to facilitate ingestions, with pipelines serving as logical groupings for these ingestions. There are no set rules for creating or organizing a pipeline; it is up to the user to determine the most effective structure. This functionality allows users to create and manage pipelines as needed.

Steps:

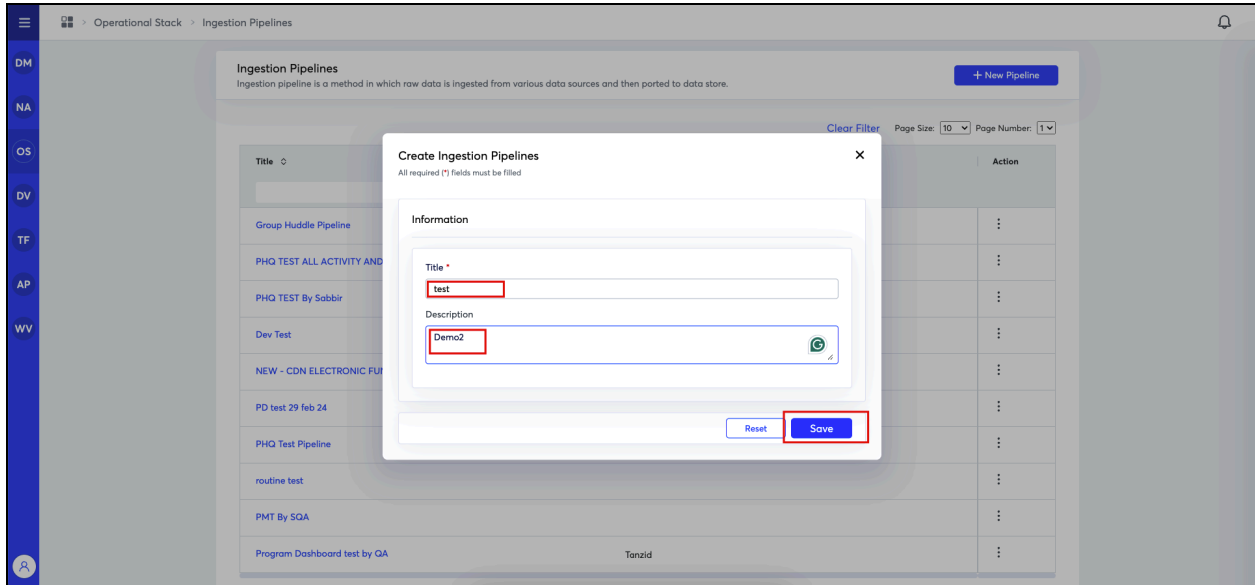
- Click on the **Create New Pipeline** button.



- After clicking the “+New Pipeline” button, a modal will open



- Input the pipeline title name(Ex: **test**).
- Input the pipeline description (Ex: **Demo2**).
- Click the **Save** button.

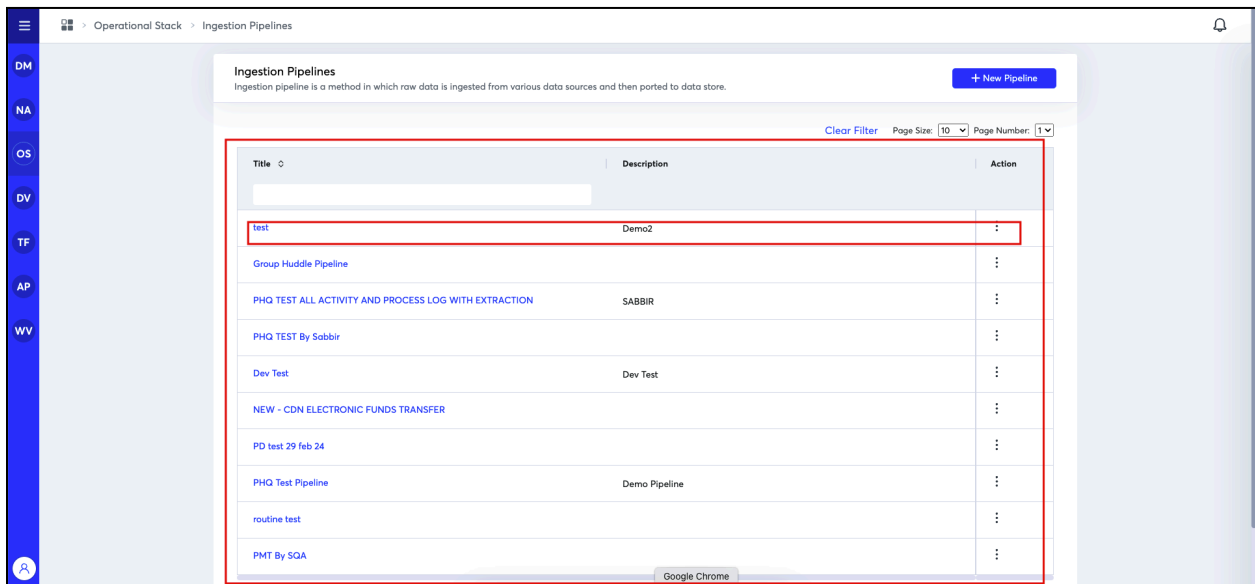


Pipeline table data view:

Description: After creating the pipeline, all of the new creations and existing pipelines will be visible on the table data. The user can show all pipeline table data on the pipeline page.

Steps:

- Go to the **Ingestion Pipelines** page.
- All pipeline table data will be visible.

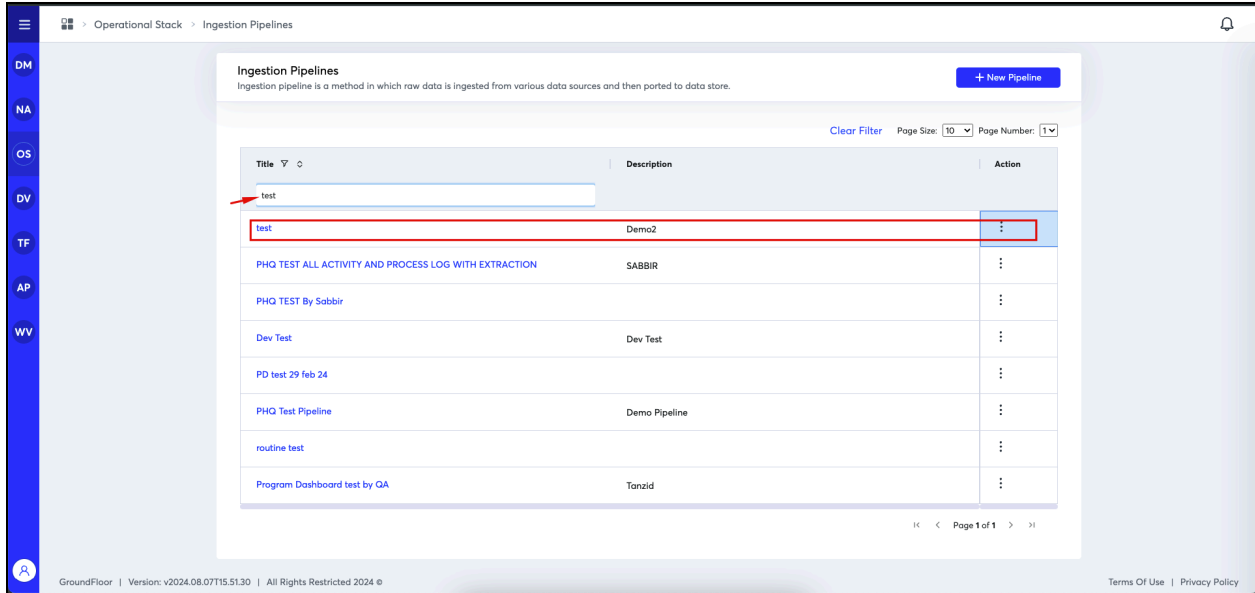


Search pipeline:

Description: The user can search for the pipeline using the pipeline name.

Steps:

- Go to the search field for finding any pipeline.
- Enter the field data (Ex: **test**).
- Observe the data



Ingestion Pipelines
Ingestion pipeline is a method in which raw data is ingested from various data sources and then ported to data store.

[+ New Pipeline](#)

[Clear Filter](#) Page Size: 10 Page Number: 1

Title	Description	Action
test	Demo2	⋮
PHQ TEST ALL ACTIVITY AND PROCESS LOG WITH EXTRACTION	SABBIR	⋮
PHQ TEST By Sabbir		⋮
Dev Test	Dev Test	⋮
PD test 29 feb 24		⋮
PHQ Test Pipeline	Demo Pipeline	⋮
routine test		⋮
Program Dashboard test by QA	Tanzid	⋮

Page 1 of 1

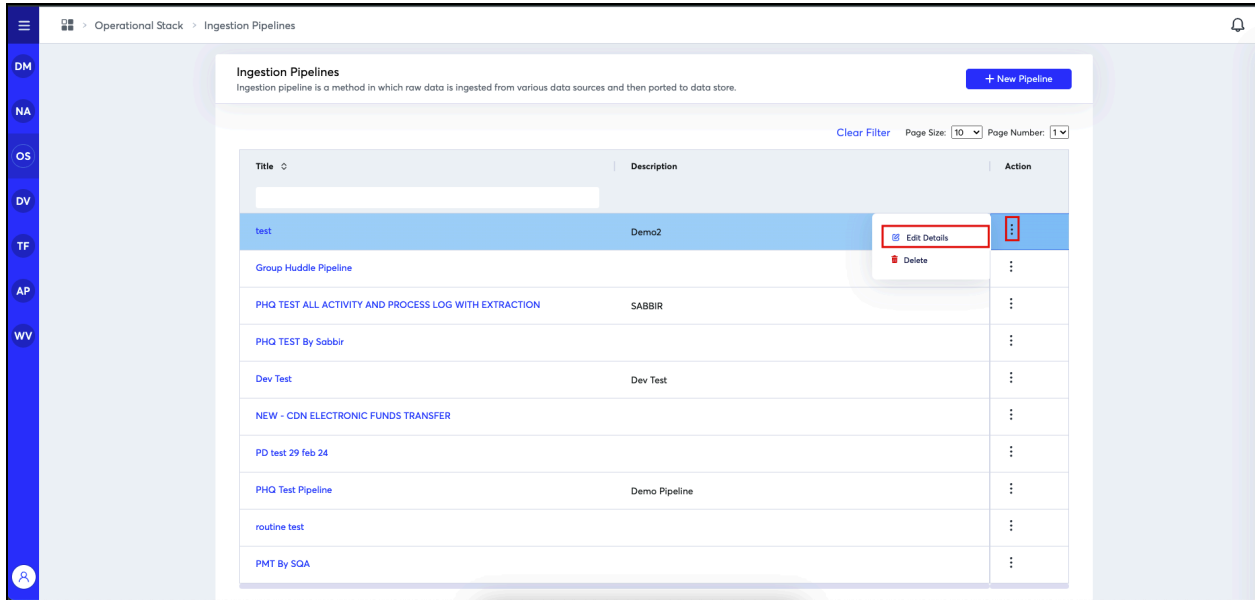
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Edit Pipeline:

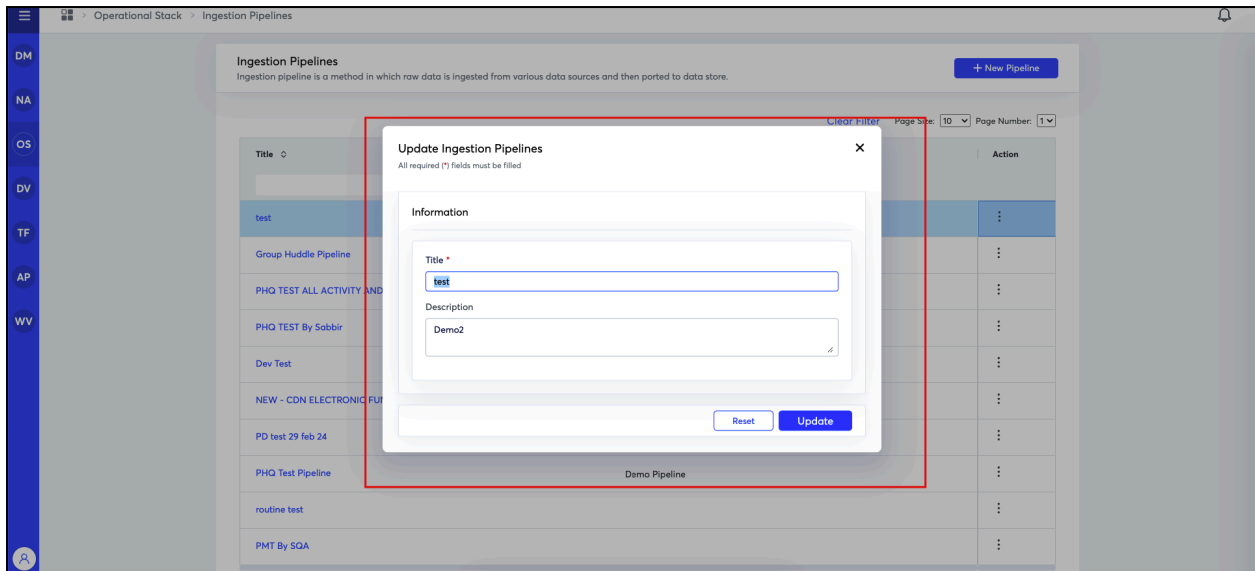
Description: Users can edit the pipeline using the following functionalities.

Steps:

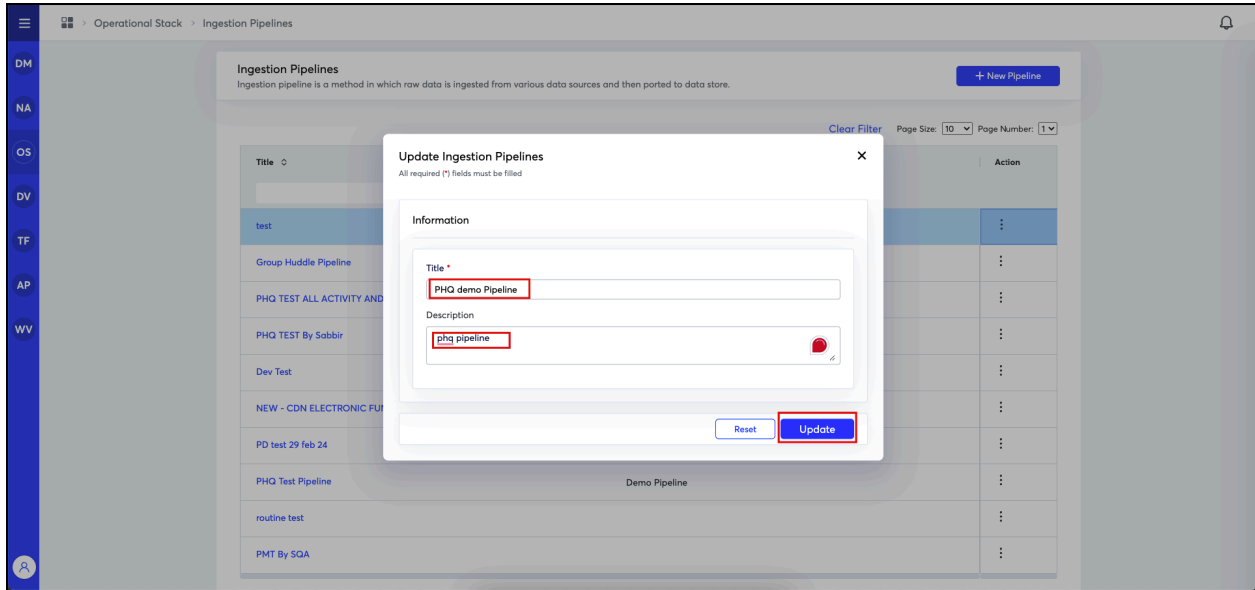
- Go to the **Ingestion Pipelines** page.
- Click on the three dots on the right side of the field.
- Click on the **Edit Details** option.



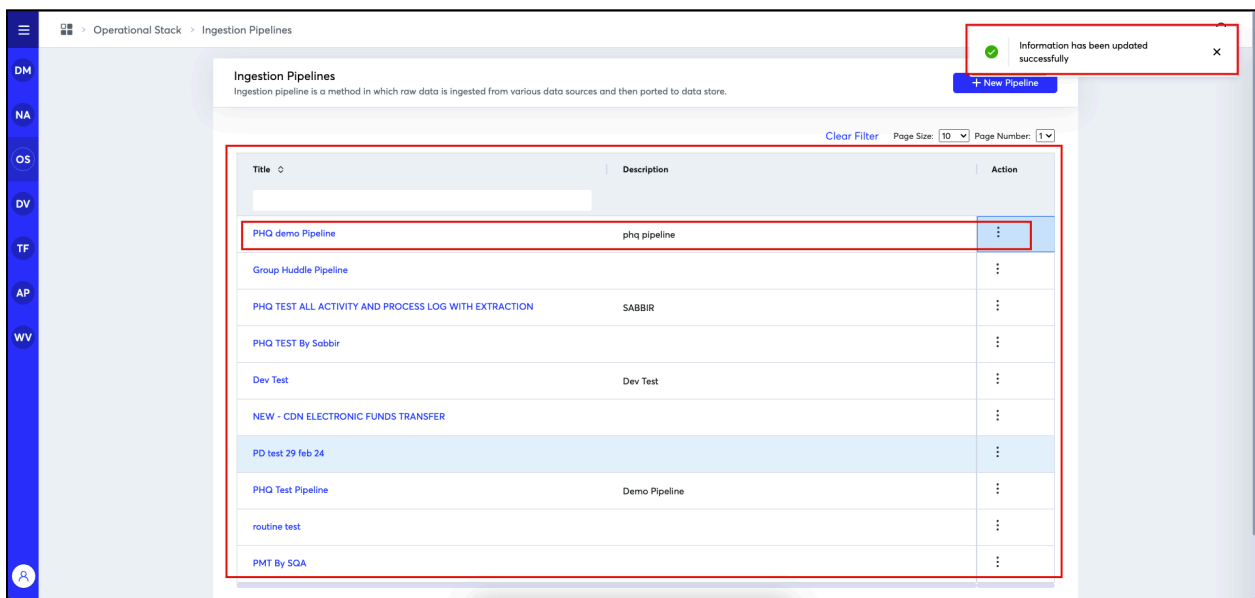
- After clicking the Edit Details button, a modal will open with data



- Edit the title name (Ex: **PHQ demo Pipeline**).
- Edit the Description(Ex: **phq pipeline**).
- Click on the **Update** button.



- The pipeline will be updated successfully.

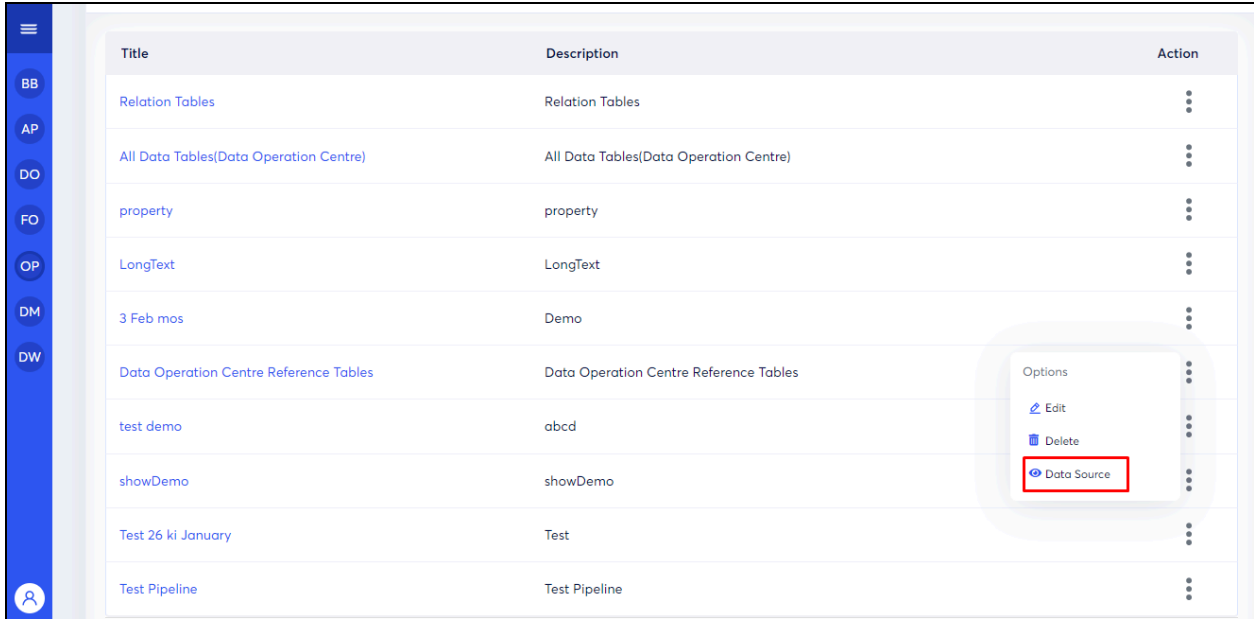


Delete Pipeline:

Description: The user can delete the pipeline investigation here.

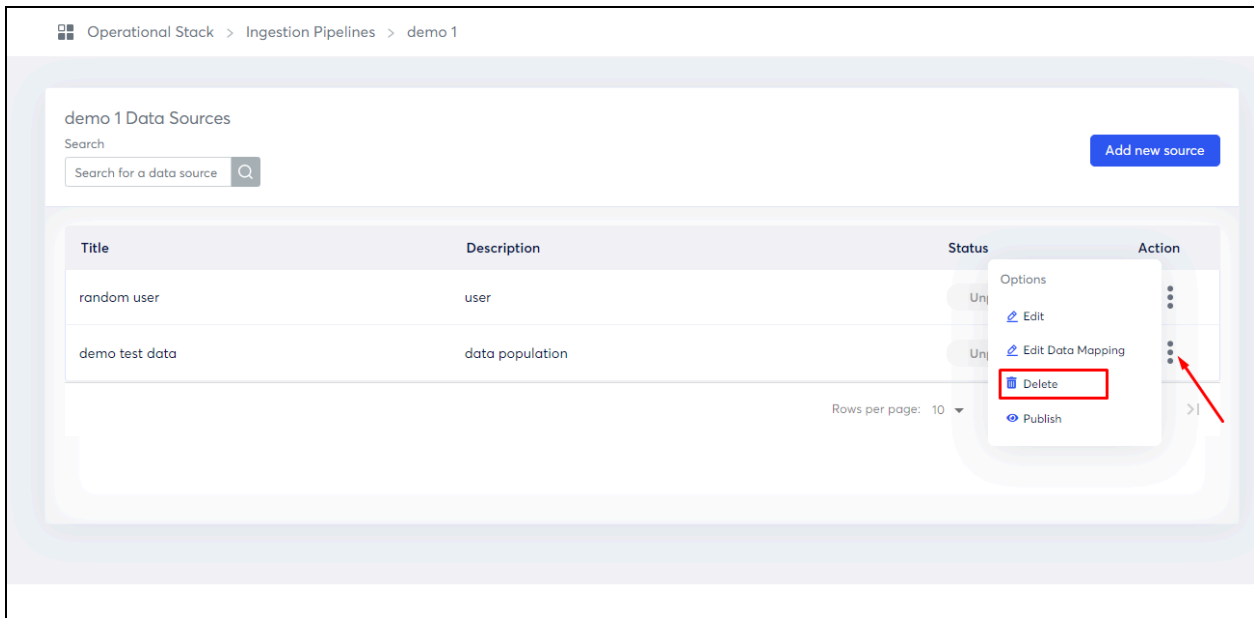
Steps:

- Go to the **Ingestion Pipelines** page.
- Click on the three dots on the right side of the field.
- Click on the **Data Source** option.



Title	Description	Action
Relation Tables	Relation Tables	⋮
All Data Tables(Data Operation Centre)	All Data Tables(Data Operation Centre)	⋮
property	property	⋮
LongText	LongText	⋮
3 Feb mos	Demo	⋮
Data Operation Centre Reference Tables	Data Operation Centre Reference Tables	⋮
test demo	abcd	⋮
showDemo	showDemo	⋮
Test 26 ki January	Test	⋮
Test Pipeline	Test Pipeline	⋮

- All demo data sources will be visible.
- Click on the three dots on the right side of the data source.
- Users can delete a data source only when the source is in '**Unpublished**' state. If the data source is in the '**Published**' state, then **unpublish** it by clicking on the option '**Unpublished**'.
- Again, click on the three dots on the right side of the unpublished data source.
- Now click on the **Delete** option.
- Thus, delete all demo data sources from that pipeline.



Operational Stack > Ingestion Pipelines > demo 1

demo 1 Data Sources

Search

Search for a data source 🔍

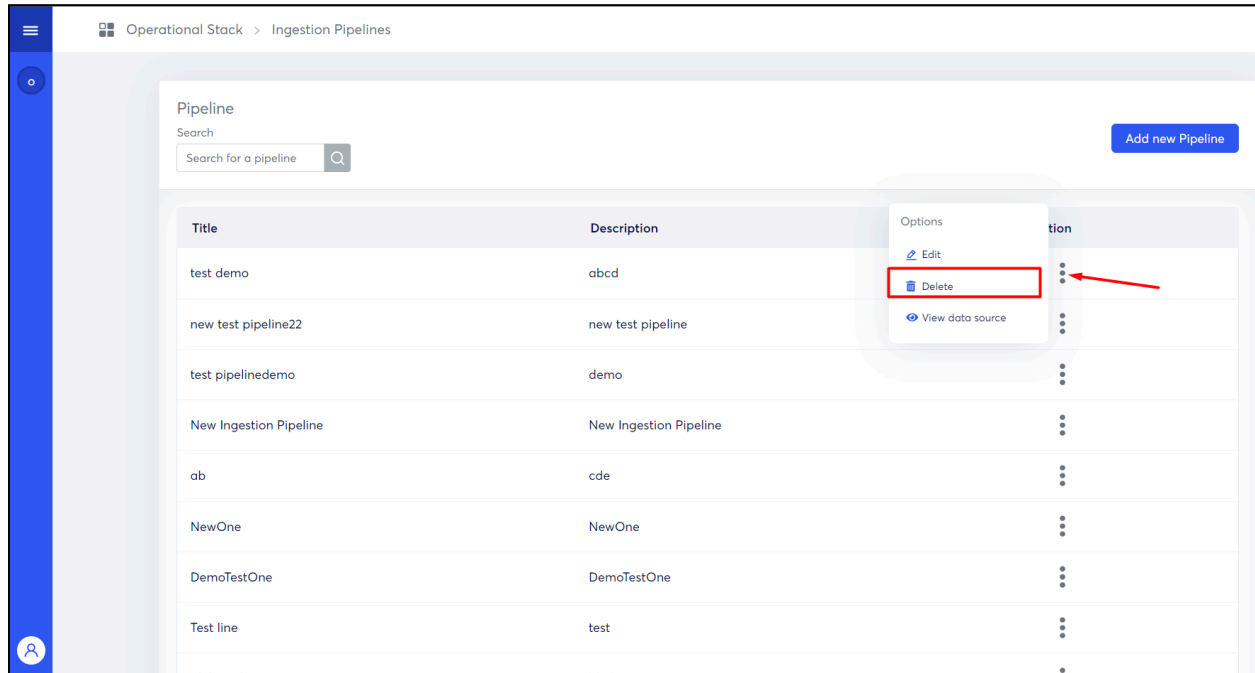
Add new source

Title	Description	Status	Action
random user	user	Unpublished	⋮
demo test data	data population	Unpublished	⋮

Rows per page: 10

- Back to the **Ingestion Pipelines** page.
- Click on the three dots on the right side of the pipeline.

- Click the **Delete** option.



- The pipeline will be deleted successfully.

Data Sources:

Description: Data ingestion is essential for integrating diverse sources of information into an application, enabling centralized data management, analysis, and utilization. By leveraging various ingestion methods such as APIs, file-based systems (Excel, SFTP, FTP), and webhooks, applications can efficiently gather and process data. APIs facilitate real-time data exchange, file-based methods handle large volumes of data in batches, and webhooks provide immediate updates based on specific events. These methods ensure that data is consistently and accurately fed into the application, supporting effective decision-making and operational efficiency.

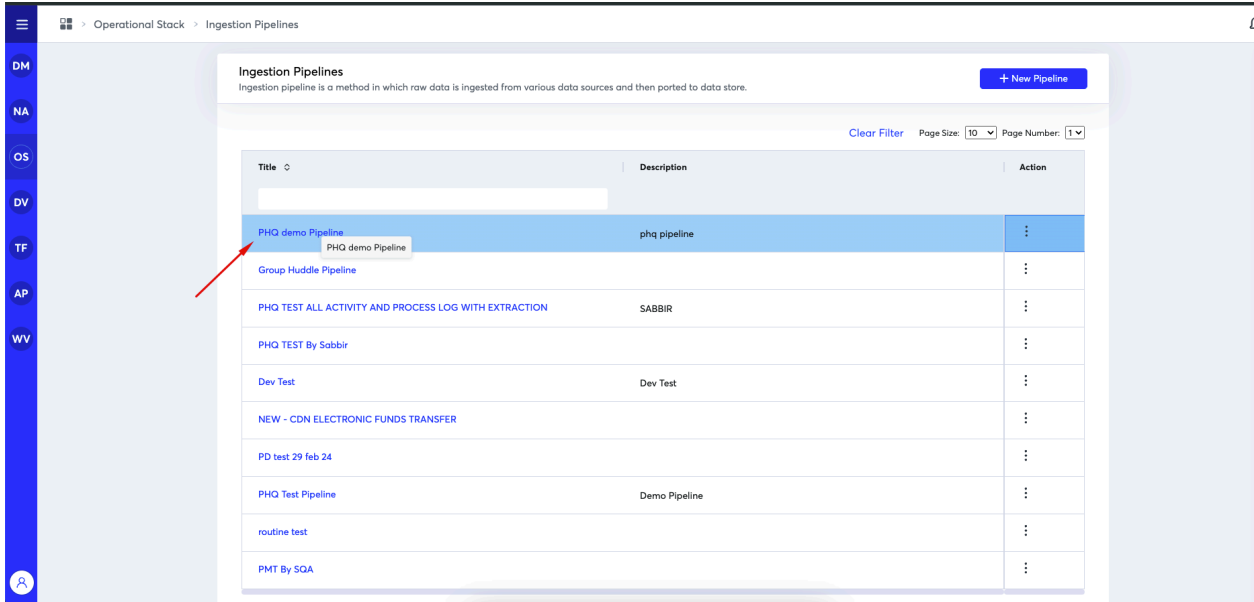
Each pipeline includes a data source. Users can view or manage all data sources by accessing the pipeline. Detailed instructions are provided below.

Data source view:

Description: To view the data source, please follow these steps.

Steps:

- Select the pipeline
- Click on the pipeline name (e.g: **PHQ demo Pipeline**)



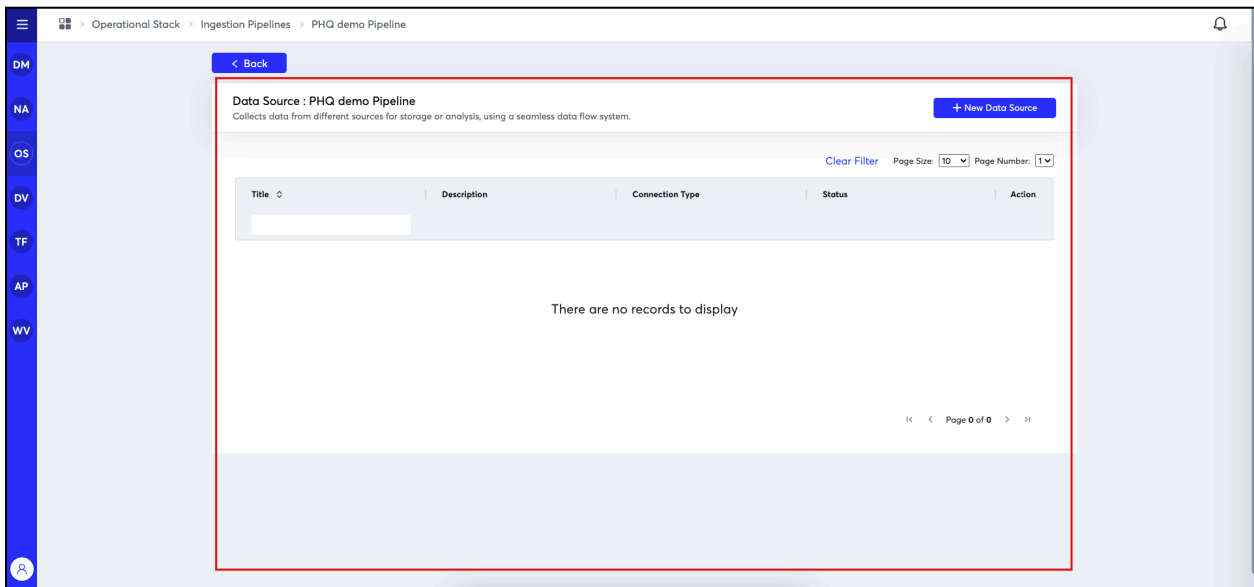
Ingestion Pipelines
Ingestion pipeline is a method in which raw data is ingested from various data sources and then ported to data store.

[+ New Pipeline](#)

[Clear Filter](#) Page Size: Page Number:

Title	Description	Action
PHQ demo Pipeline	phq pipeline	⋮
Group Huddle Pipeline		⋮
PHQ TEST ALL ACTIVITY AND PROCESS LOG WITH EXTRACTION	SABBIR	⋮
PHQ TEST By Sabbir		⋮
Dev Test	Dev Test	⋮
NEW - CDN ELECTRONIC FUNDS TRANSFER		⋮
PD test 29 feb 24		⋮
PHQ Test Pipeline	Demo Pipeline	⋮
routine test		⋮
PMT By SQA		⋮

- The Data Source page will open successfully. If data sources already exist, all available data sources will be displayed. If no data sources are available, a message will be shown indicating that there are no records to display.



Data Source : PHQ demo Pipeline
Collects data from different sources for storage or analysis, using a seamless data flow system.

[+ New Data Source](#)

[Clear Filter](#) Page Size: Page Number:

Title	Description	Connection Type	Status	Action
There are no records to display				

Page 0 of 0

Create or Setup New Data Source:

Description: Users can add a new data source using the functionality. Users can create three types of data sources. There are

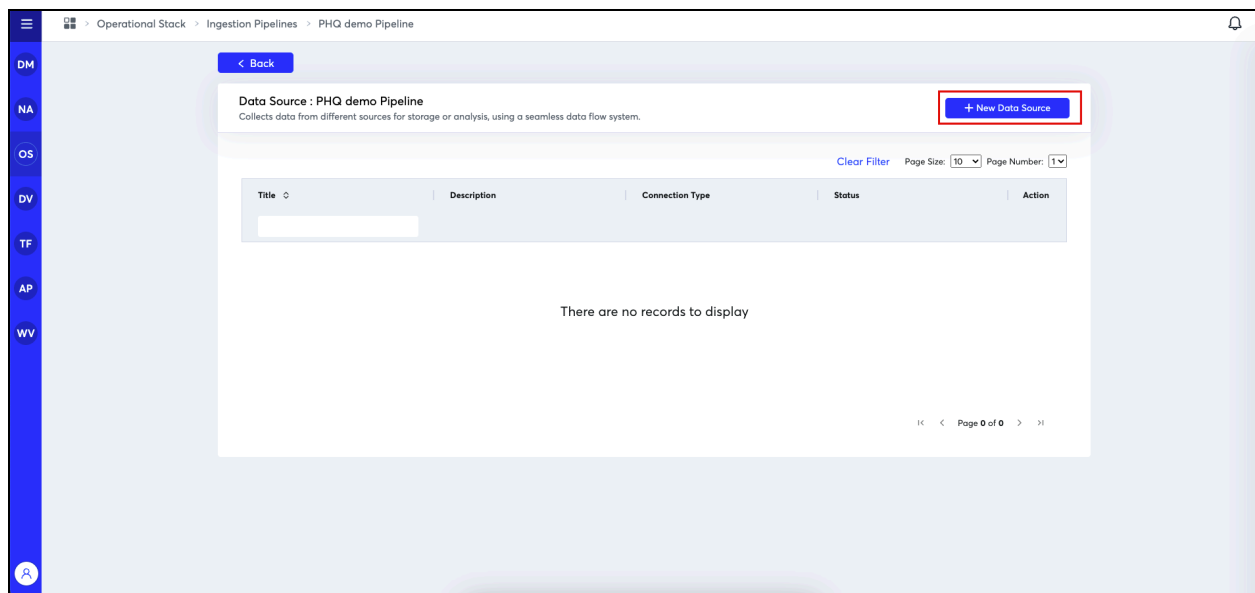
1. API
2. Webhook
3. File (/Excel, SFTP/FTP)

1. Create API Data Source :

Description: An API Data Source is a service that provides data ingestion through an Application Programming Interface (API). It allows applications to access and interact with data programmatically via defined endpoints and methods, typically in formats like JSON or XML. API Data Sources enable dynamic data retrieval and integration into various software solutions.

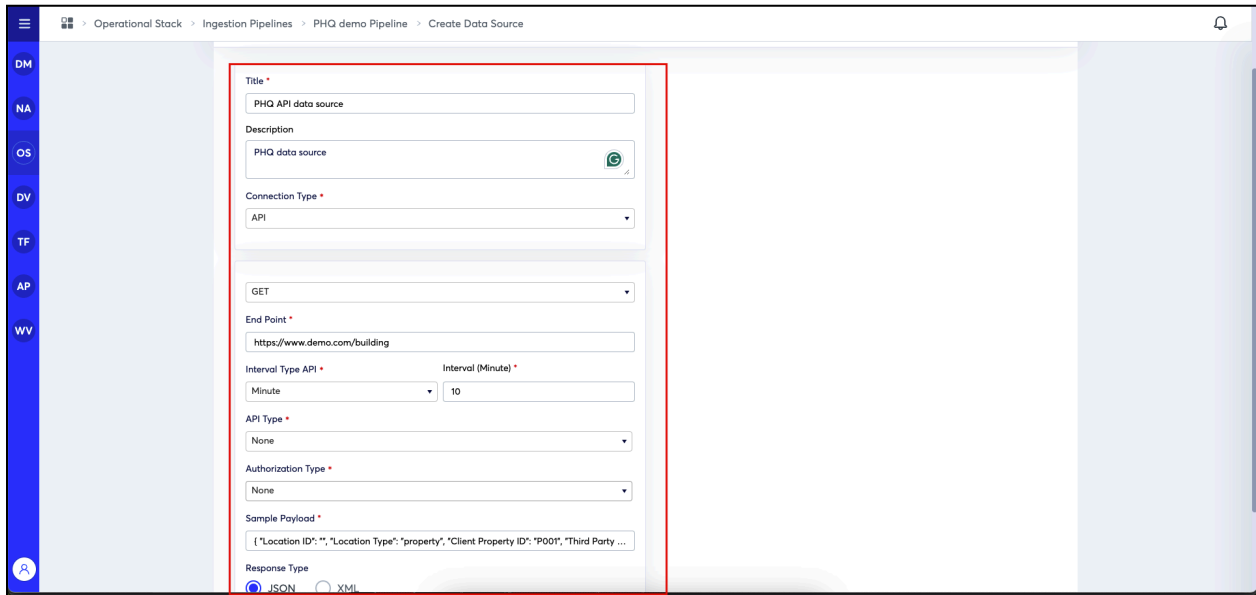
Steps:

- Click on the “+ New Data Source” Button.



- Go to the Setup Data Source Page.
- Enter the title data (ex: **PHQ API data source**).
- Enter the Description data(ex: **PHQ data source**).
- Select the Connection Type **API** from the dropdown field .
- Enter the Endpoint (Ex:<https://www.demo.com/building>).
- Select the Interval Type (e.g. Minute)

- Enter the Interval time (e.g.: 10).
- Select the **None** option from the API Type dropdown [**Note: Default None will be selected**].
- Select the **None** option from the Authorization dropdown [**Note: Default None will be selected**].
- Enter the Sample Payload (Ex :{ "Location ID": "", "Location Type": "property", "Client Property ID": "P001", "Third Party ID": "P0008E", "Name": "Test Property", "Description": "demo test property ", "Address": "Dhaka", "City": "Gulsan", "Province State": "Dhaka", "Country": "Bangladesh", "Phone": "052454541", "Phone Ext": "+88", "Fax": "", "Mail Code": "", "Latitude": "1545.6354", "Longitude": "-212.254", "Weather Station": "Weather Station", "Property Type": "Property Type", "Building Count": 2, "Units Count": 4, "Region": "Islam", "Division": "Dhaka", "Group": "A", "Sub Company": "AB", "District": "Dhaka", "Cluster": " ", "Lot Size Acreage": 2, "Count Parking Spaces": 55, "Count Ev Charging Station": 66, "Count Ev Parking": 77, "Count Bicycle Parking": 88, "CA Percentage": 99, "Irrigation": true, "Status": "active", "Deleted": false }) [**Payload field only accepts the single data of json**]
- Select the **JSON** option from the **Response type** [**Note: Default Response type will be selected JSON and XML**].



Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > Create Data Source

DM
NA
OS
DV
TF
AP
WV

Title *

PHQ API data source

Description

PHQ data source

Connection Type *

API

GET

End Point *

https://www.demo.com/building

Interval Type API *

Interval (Minute) *

Minute 10

API Type *

None

Authorization Type *

None

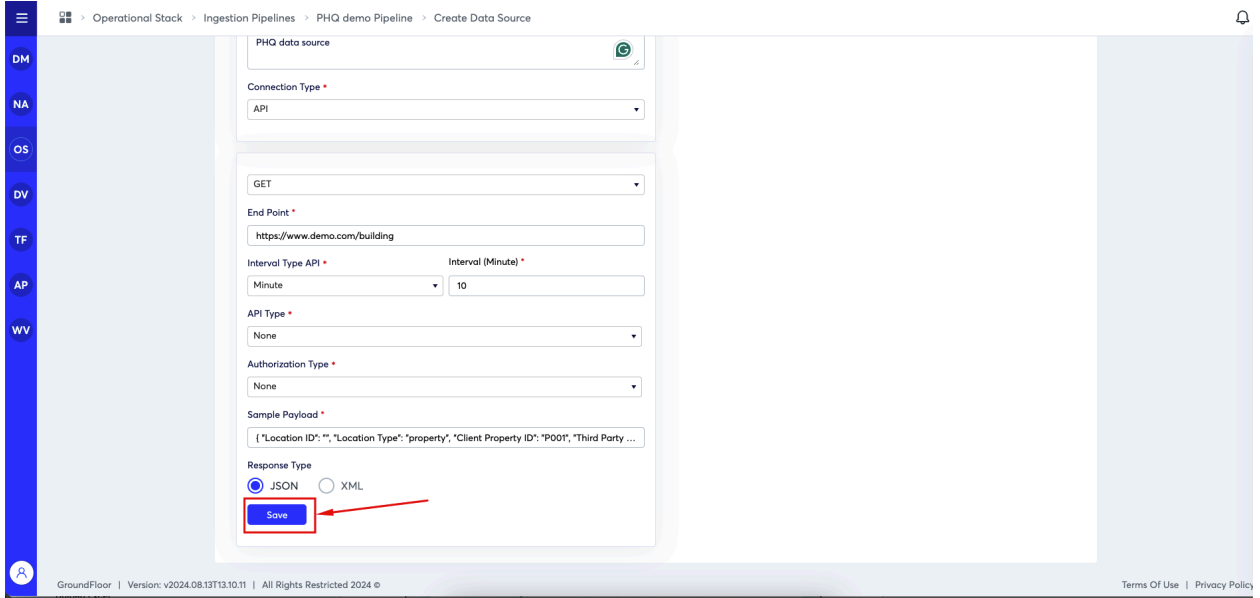
Sample Payload *

{ "Location ID": "", "Location Type": "property", "Client Property ID": "P001", "Third Party ...

Response Type

☒ JSON ☐ XML

- Click on the **Save** button.



PHQ data source

Connection Type *

API

GET

End Point *

https://www.demo.com/building

Interval Type API *

Minute

Interval (Minute) *

10

API Type *

None

Authorization Type *

None

Sample Payload *

{ "Location ID": "", "Location Type": "property", "Client Property ID": "P001", "Third Party ...

Response Type

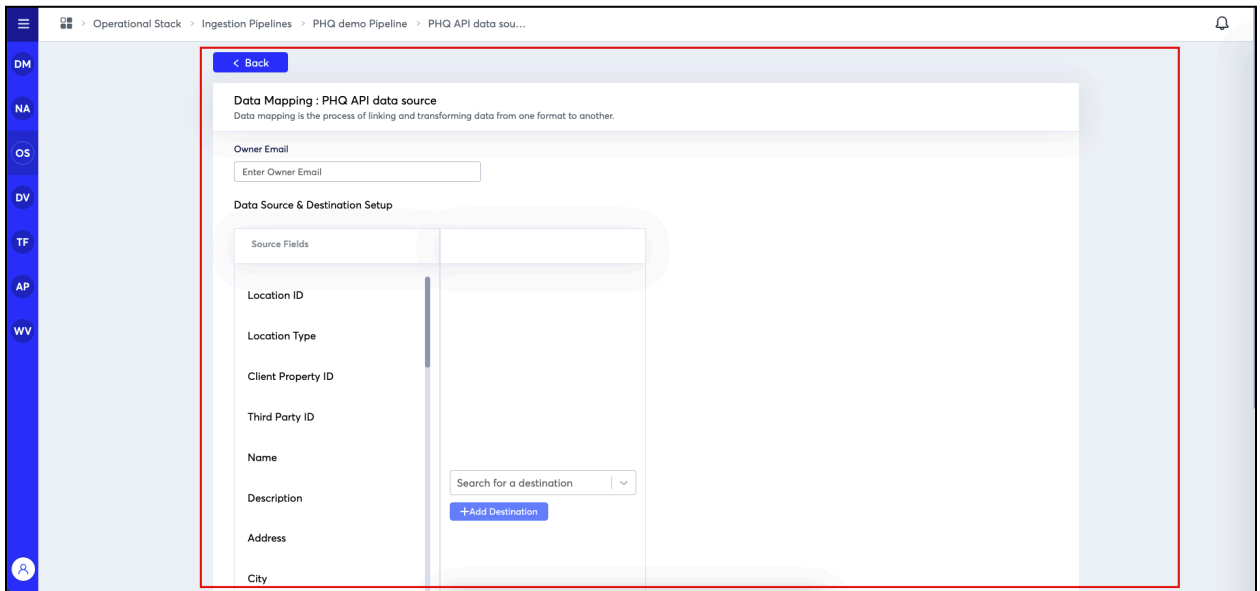
☒ JSON ☐ XML

Save

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- It will direct the user to the Data Mapping page.



< Back

Data Mapping : PHQ API data source

Data mapping is the process of linking and transforming data from one format to another.

Owner Email

Enter Owner Email

Data Source & Destination Setup

Source Fields

Location ID

Location Type

Client Property ID

Third Party ID

Name

Description

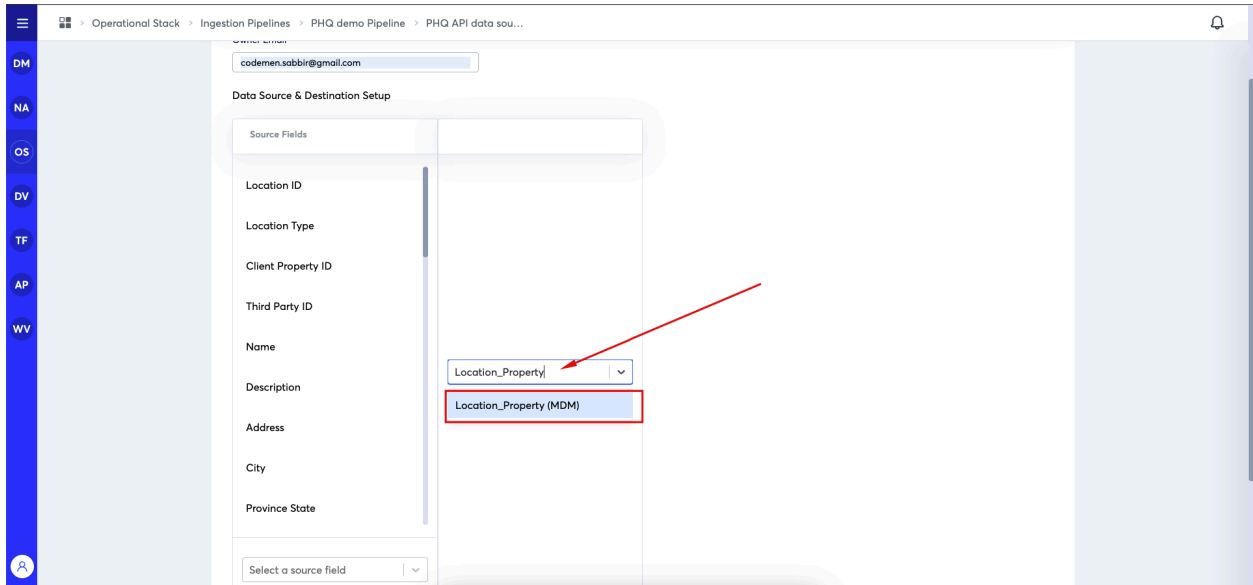
Address

City

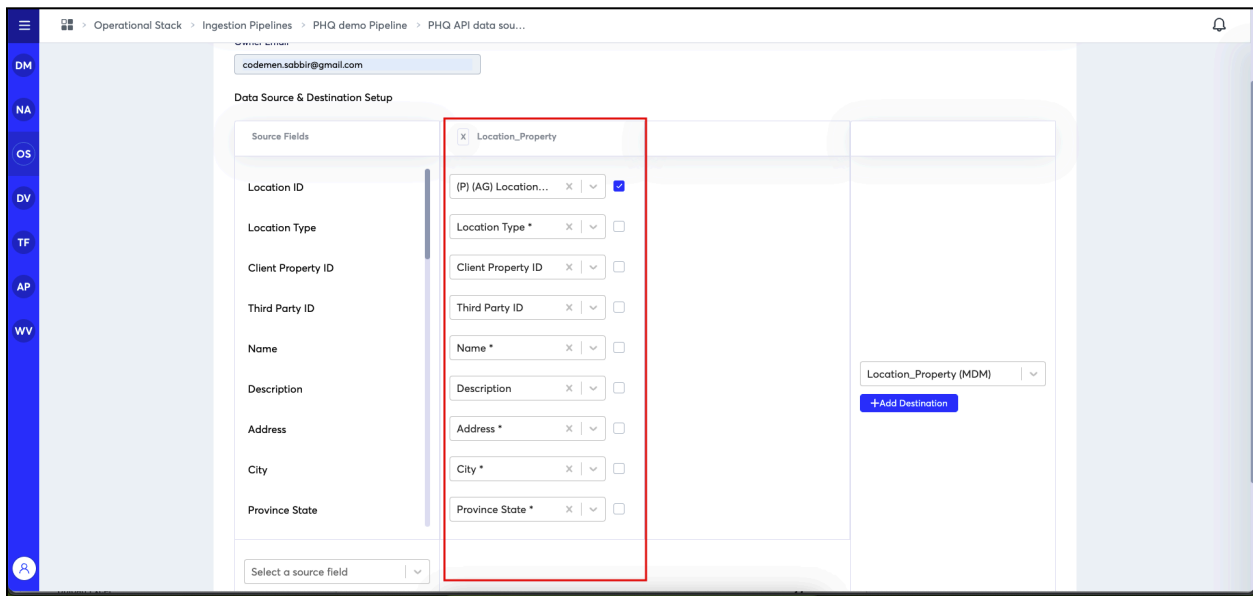
Search for a destination

+Add Destination

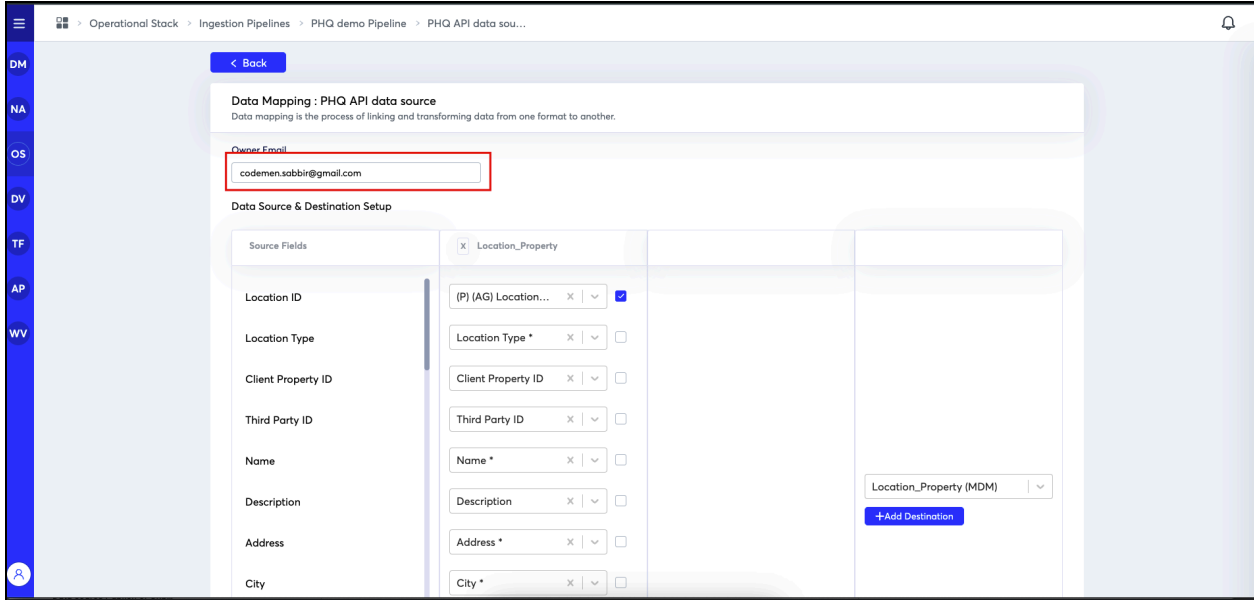
- Now, search the module on the **Add Destination** search box (ex: **Location_Property**).



- Select the module from dropdown.
- Click on the **Add Destination** button.
- Data fields will be mapped automatically at the right side of **Source Fields**.



- Enter the email address into the owner email field (Purpose: If any data ingestion process fails, the owner will receive an error notification email from the source.)



Data Mapping : PHQ API data source
Data mapping is the process of linking and transforming data from one format to another.

Owner Email
codemen.sabbir@gmail.com

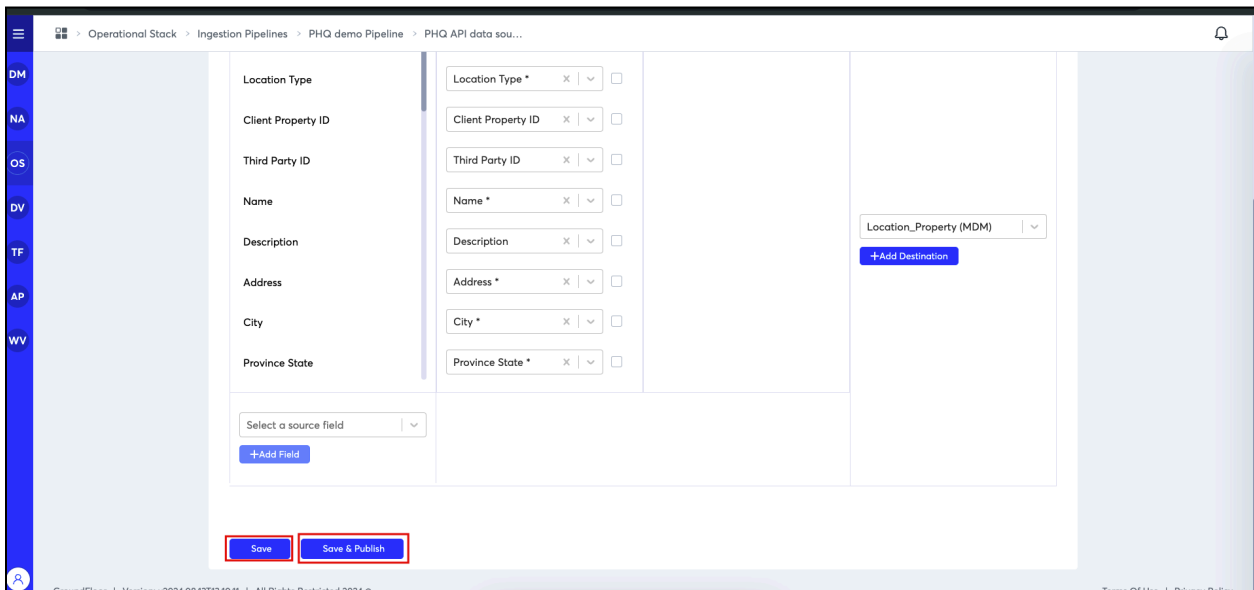
Data Source & Destination Setup

Source Fields	Destination Fields
Location ID	(P) (AG) Location... ☒
Location Type	Location Type * ☐
Client Property ID	Client Property ID ☐
Third Party ID	Third Party ID ☐
Name	Name * ☐
Description	Description ☐
Address	Address * ☐
City	City * ☐

Location_Property (MDM) ☐

[+Add Destination](#)

- Scroll to the bottom to find the buttons.



Location Type
Location Type * ☐

Client Property ID
Client Property ID ☐

Third Party ID
Third Party ID ☐

Name
Name * ☐

Description
Description ☐

Address
Address * ☐

City
City * ☐

Province State
Province State * ☐

Select a source field

[+Add Field](#)

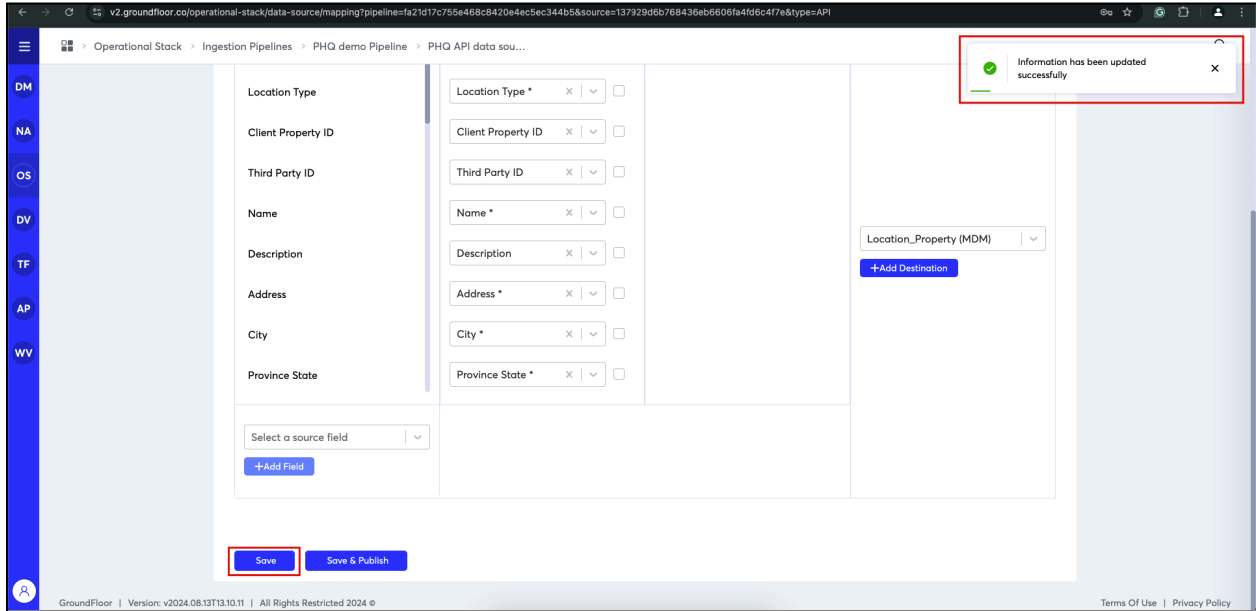
[Save](#) [Save & Publish](#)

Location_Property (MDM) ☐

[+Add Destination](#)

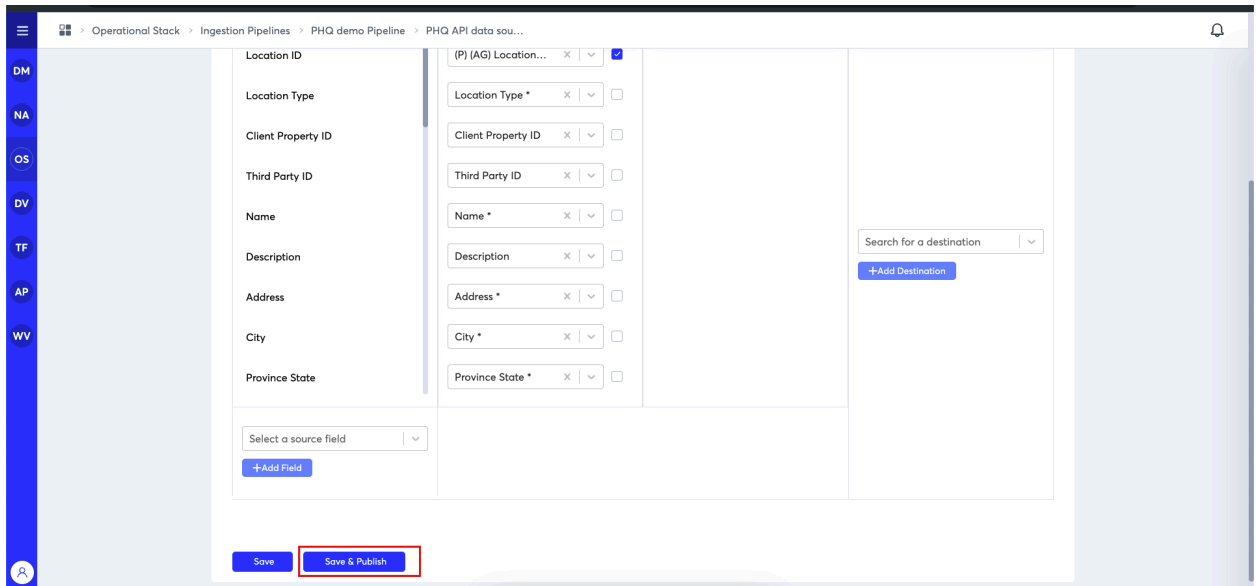
- There are two buttons available: a "**Save**" button and a "**Save and Publish**" button.
 - **Save:** Clicking the "Save" button will save the source. The source can be published and used for data ingestion at a later time.
 - **Save and Publish:** Clicking the "Save and Publish" button will save and publish the source. After publication, the system will start ingesting data based on the specified interval. For example, if the interval is set to 10 minutes, data ingestion will occur every 10 minutes.

- When the user clicks the save button, a message will typically appear in the top right corner of the screen.



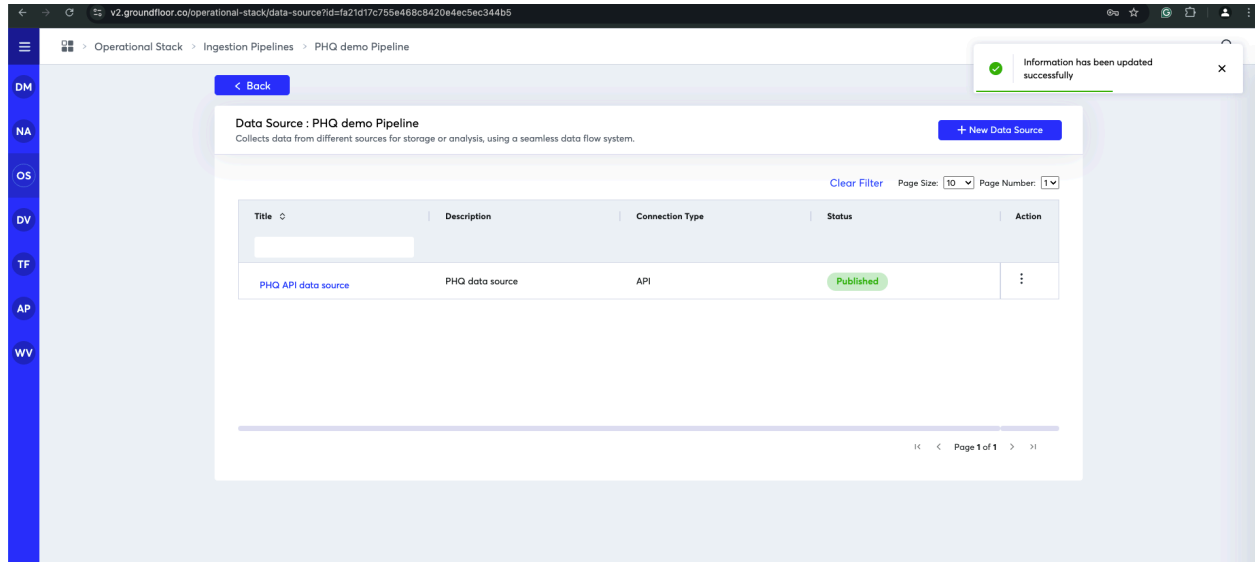
The screenshot shows the 'PHQ API data source' configuration page. The 'Save' button is highlighted with a red box. A success message 'Information has been updated successfully' is displayed in the top right corner. The form includes fields for Location Type, Client Property ID, Third Party ID, Name, Description, Address, City, and Province State. There are also buttons for '+Add Field' and '+Add Destination'.

- When the user clicks the "Save and Publish" button, the source will be saved and published.



The screenshot shows the 'PHQ API data source' configuration page. The 'Save & Publish' button is highlighted with a red box. The form includes fields for Location ID, Location Type, Client Property ID, Third Party ID, Name, Description, Address, City, and Province State. There are also buttons for '+Add Field' and '+Add Destination'.

- After saving and publishing the source, a message will typically appear in the top right corner of the screen, and the page will redirect to the data source list.

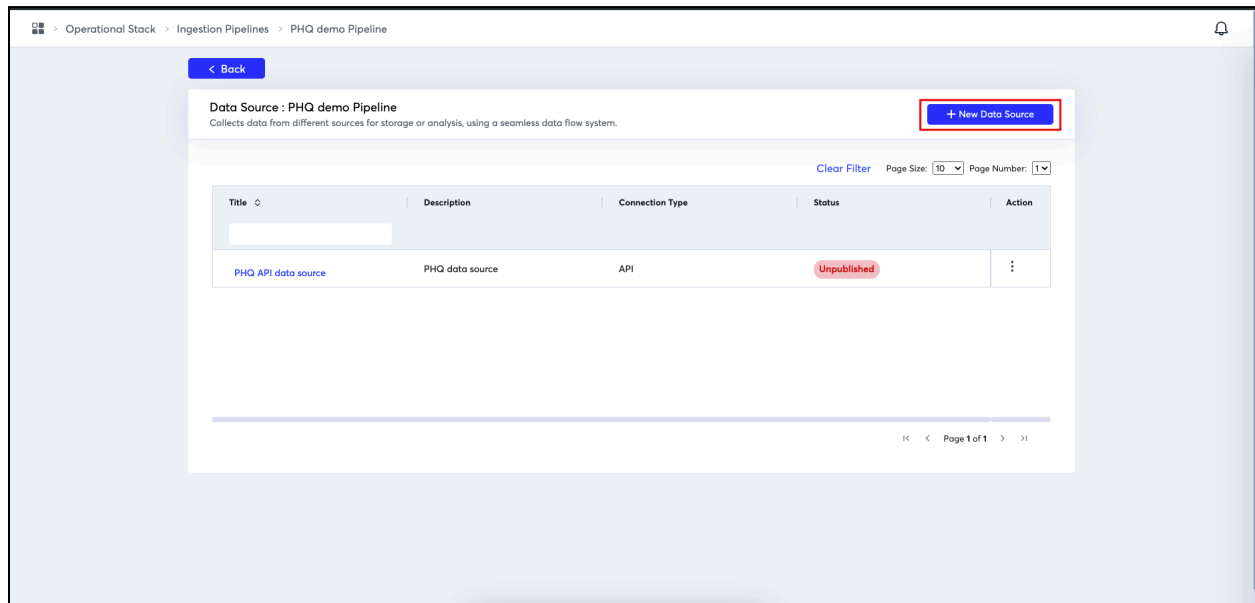


2. Create Webhook Data Source:

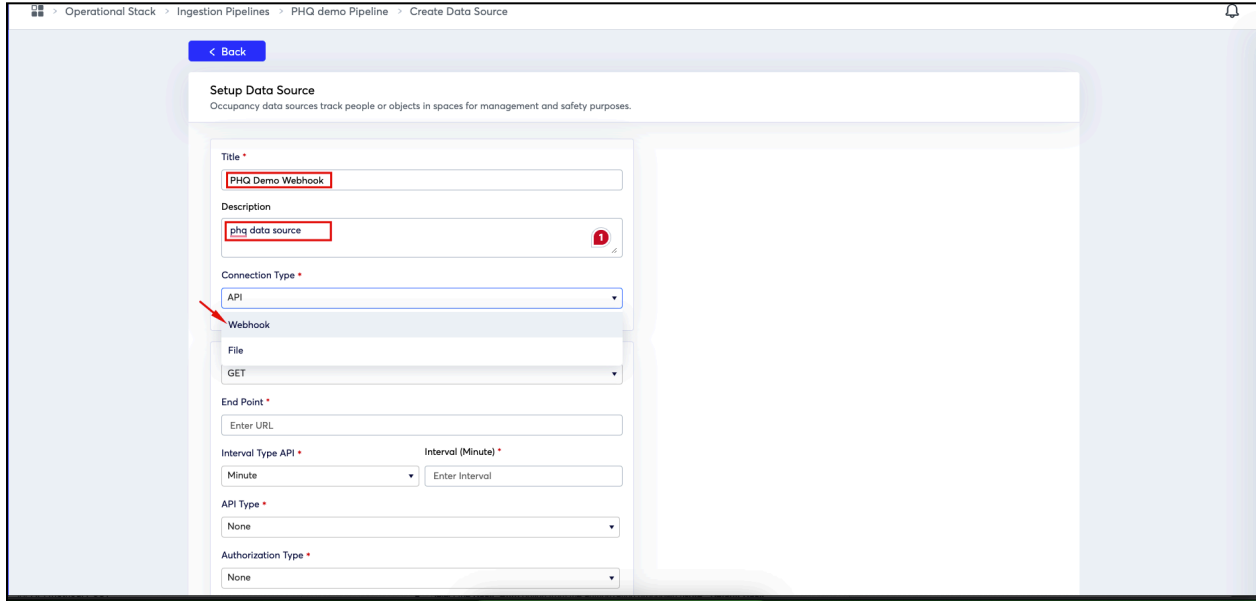
Description: A Webhook data source is a way to receive real-time data from a third-party service or application. It works by setting up an HTTP endpoint on your server that the third-party service can send data to.

Steps:

- Click on the “**Create New Data Source**” Button.



- Go to the Setup Data Source Page.
- Input the title data (e.g. : **PHQ Demo Webhook**).
- Input the Description data(ex: **phq data source**).
- Select the Connection Type **Webhook** from the dropdown.



Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > Create Data Source

[Back](#)

Setup Data Source

Occupancy data sources track people or objects in spaces for management and safety purposes.

Title *

PHQ Demo Webhook

Description

phq data source

Connection Type *

API

Webhook

File

GET

End Point *

Enter URL

Interval Type API *

Minute

Interval (Minute) *

Enter Interval

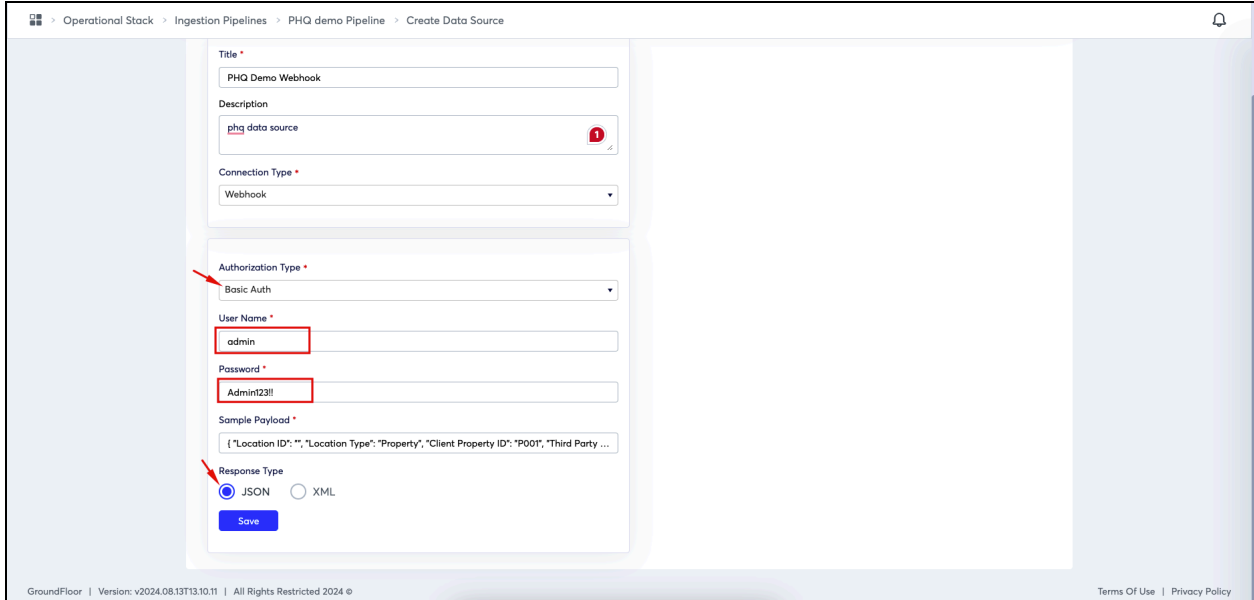
API Type *

None

Authorization Type *

None

- Select the **Basic Auth** option from the authorization dropdown
- Enter the user name on the Username field (Ex: **admin**).
- Enter the password on the Password field (Ex: **Admin123!!**).
- Input the Sample Payload(ex : { "Location ID": "", "Location Type": "Property", "Client Property ID": "P001", "Third Party ID": "P0008E", "Name": "Test Property", "Description": "demo test property", "Address": "3396 102nd Avenue", "City": "Fort St John", "Province State": "British Columbia", "Country": "Canada", "Phone": "+88052454541", "Phone Ext": "+88", "Fax": "", "Mail Code": "", "Latitude": "23.8103", "Longitude": "90.4125", "Weather Station": "Weather Station", "Property Type": "Property Type", "Building Count": 2, "Units Count": 4, "Region": "Islam", "Division": "", "Group": "A", "Sub Company": "AB", "District": "Fort St John", "Cluster": "", "Lot Size Acreage": 2, "Count Parking Spaces": 55, "Count Ev Charging Station": 66, "Count Ev Parking": 77, "Count Bicycle Parking": 88, "CA Percentage": 99, "Irrigation": true, "Status": "active", "Deleted": false }):
- Select the **JSON** option from the **Response type**.



Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > Create Data Source

Title *

PHQ Demo Webhook

Description

phq data source

Connection Type *

Webhook

Authorization Type *

Basic Auth

User Name *

admin

Password *

Admin123!

Sample Payload *

{ "Location ID": "", "Location Type": "Property", "Client Property ID": "P001", "Third Party ...

Response Type

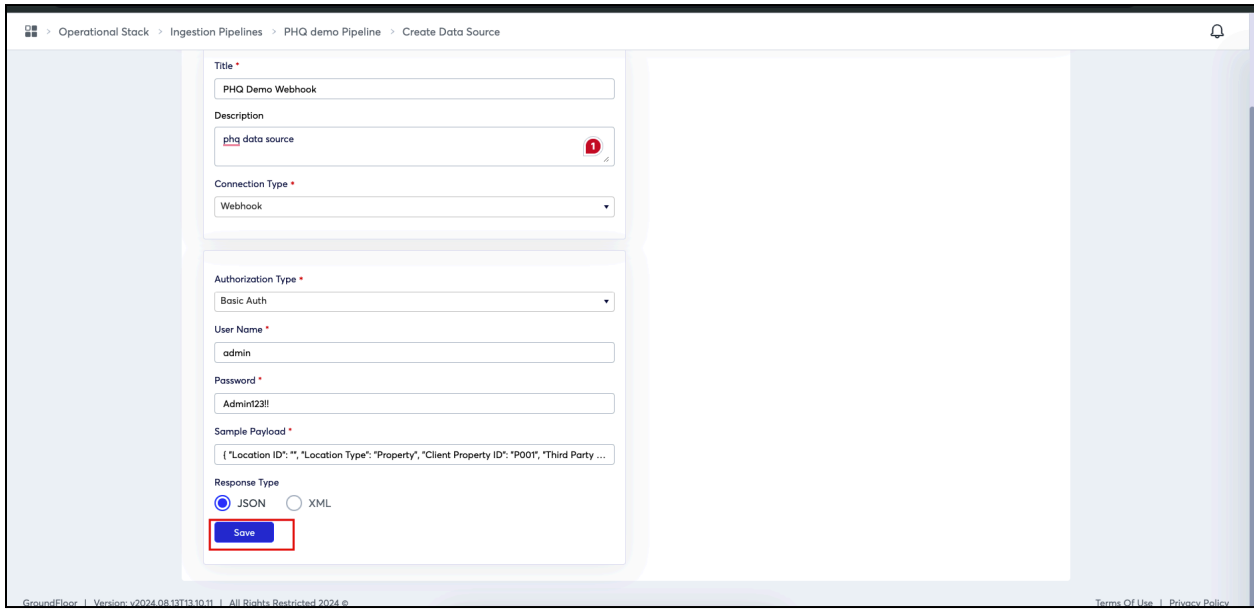
☒ JSON ☐ XML

Save

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- Click on the **Save** button.



Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > Create Data Source

Title *

PHQ Demo Webhook

Description

phq data source

Connection Type *

Webhook

Authorization Type *

Basic Auth

User Name *

admin

Password *

Admin123!

Sample Payload *

{ "Location ID": "", "Location Type": "Property", "Client Property ID": "P001", "Third Party ...

Response Type

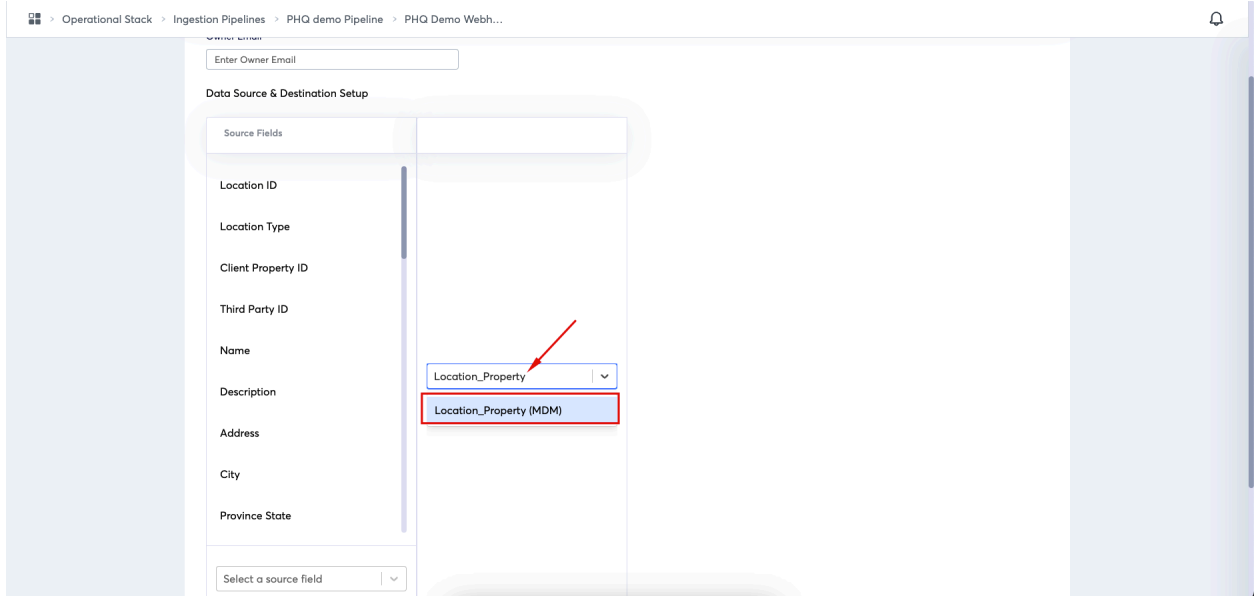
☒ JSON ☐ XML

Save

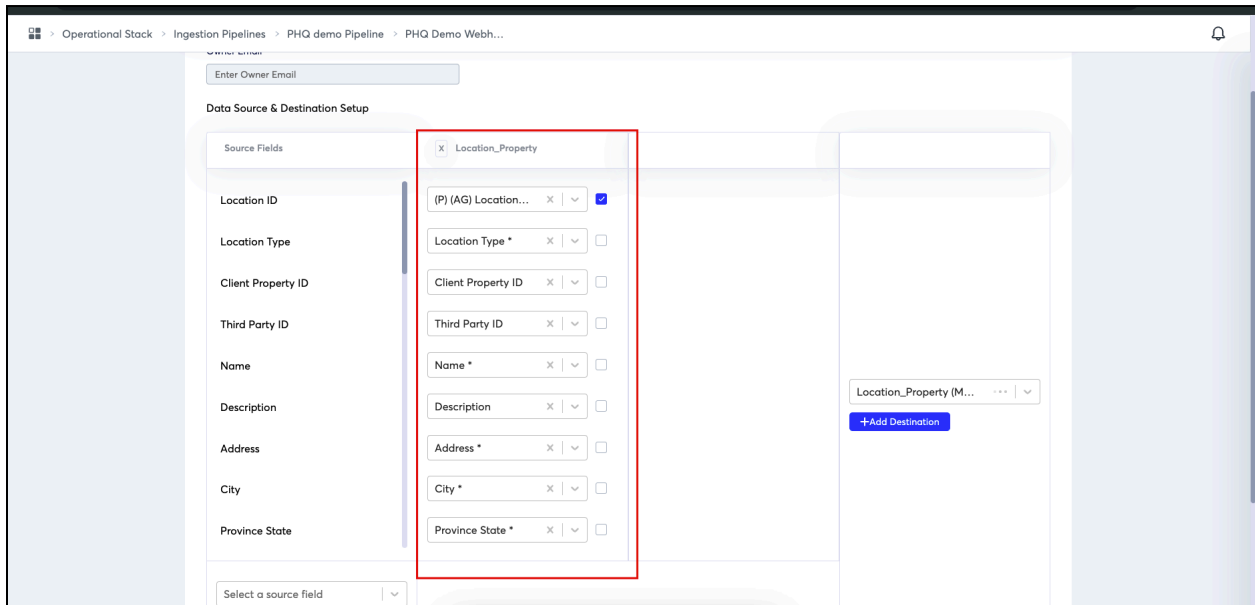
GroundFloor | Version: v2024.08.13T13.10.11 | All Rights Reserved 2024 ©

Terms Of Use | Privacy Policy

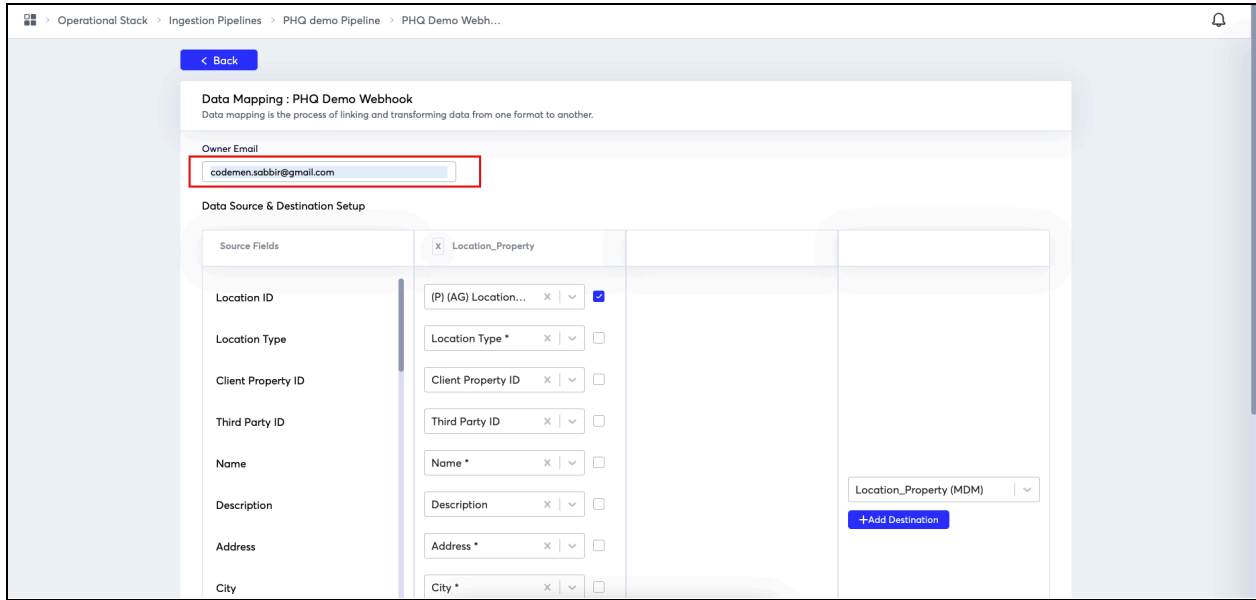
- It will direct the user to the Data Mapping page.
- Now, search the module on the **Add Destination** search box (ex: **Location_Property**).
- Select the module from dropdown.



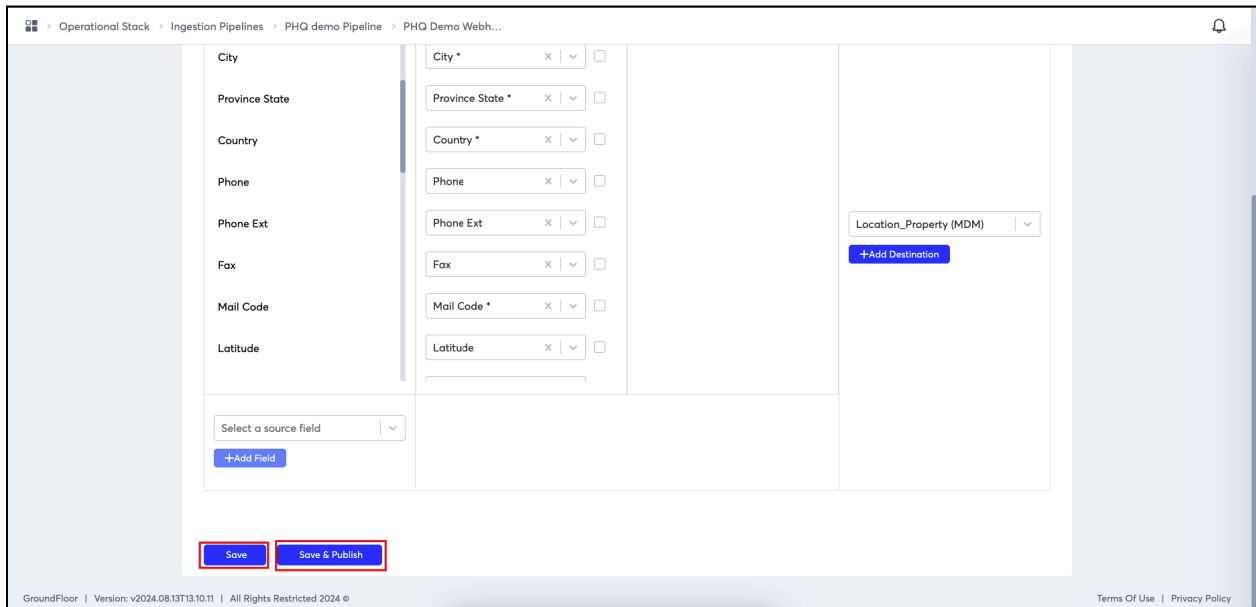
- Click on the **Add Destination** button.
- Data fields will be mapped automatically at the right side of **Source Fields**.



- Enter the email address into the owner email field (Purpose: If any data ingestion process fails, the owner will receive an error notification email from the source.)

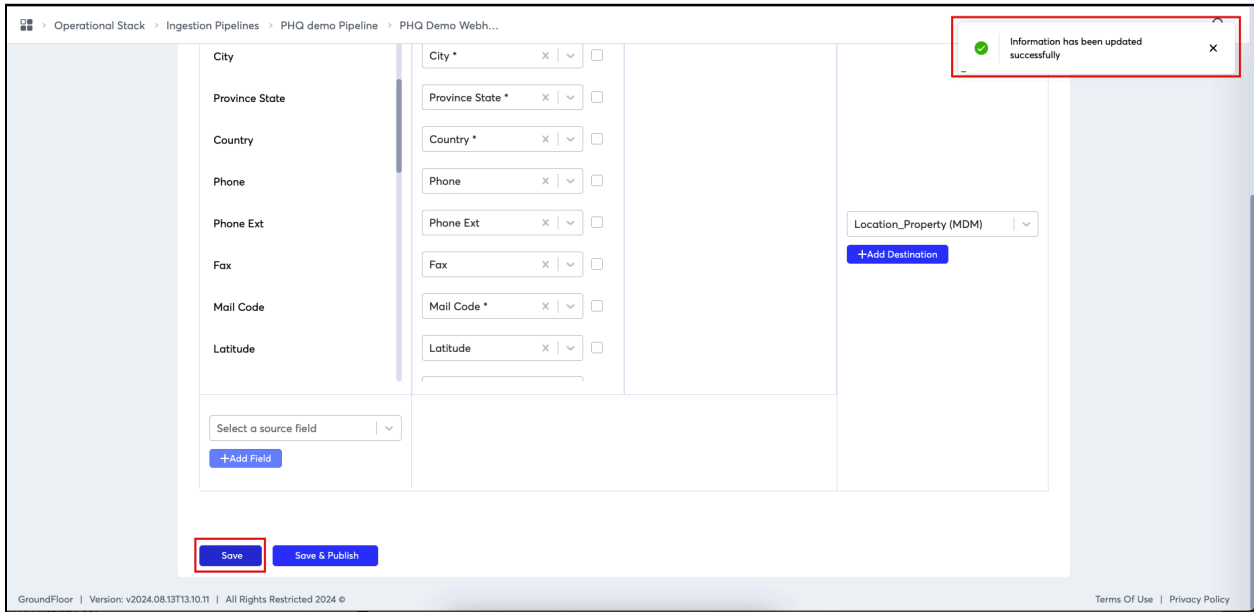


- Scroll to the bottom to find the buttons.



- There are two buttons available: a "**Save**" button and a "**Save and Publish**" button.
 - **Save:** Clicking the "Save" button will save the source. The source can be published and used for data ingestion at a later time.
 - **Save and Publish:** Clicking the "Save and Publish" button will save and publish the source. After publication, the system will start ingesting data based on the specified interval. For example, if the interval is set to 10 minutes, data ingestion will occur every 10 minutes.

- When the user clicks the save button, a message will typically appear in the top right corner of the screen.



Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > PHQ Demo Webh...

City * x | v □

Province State * x | v □

Country * x | v □

Phone x | v □

Phone Ext x | v □

Fax x | v □

Mail Code * x | v □

Latitude x | v □

Select a source field | v

+Add Field

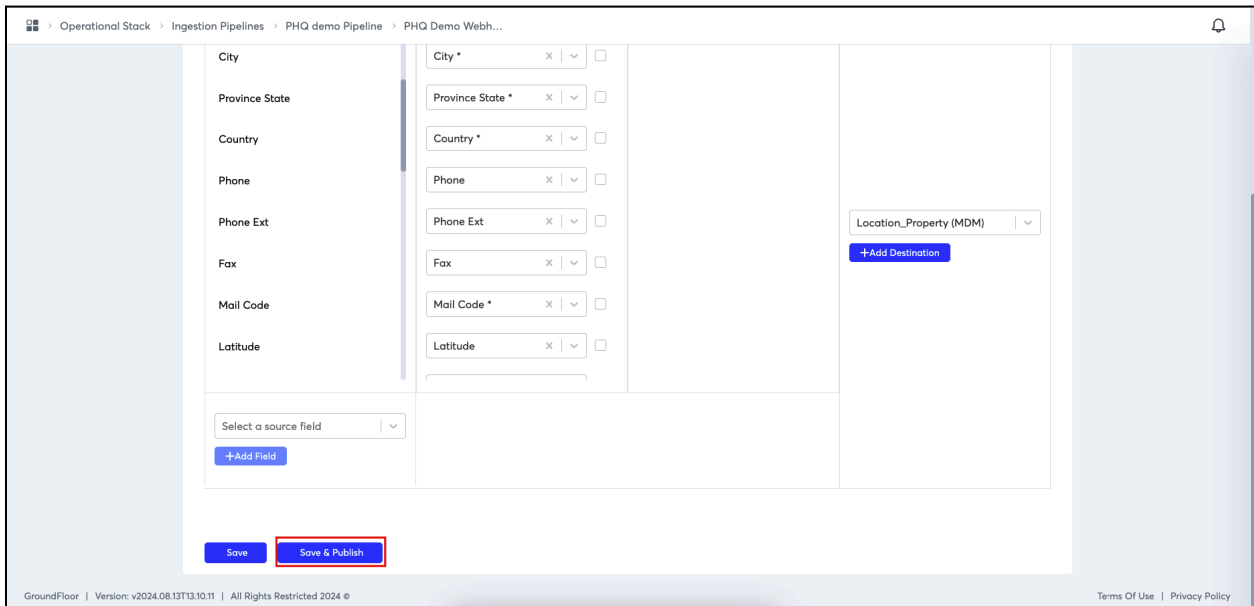
Location_Property (MDM) | v

+Add Destination

Save Save & Publish

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- When the user clicks the "Save and Publish" button, the source will be saved and published.



Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > PHQ Demo Webh...

City * x | v □

Province State * x | v □

Country * x | v □

Phone x | v □

Phone Ext x | v □

Fax x | v □

Mail Code * x | v □

Latitude x | v □

Select a source field | v

+Add Field

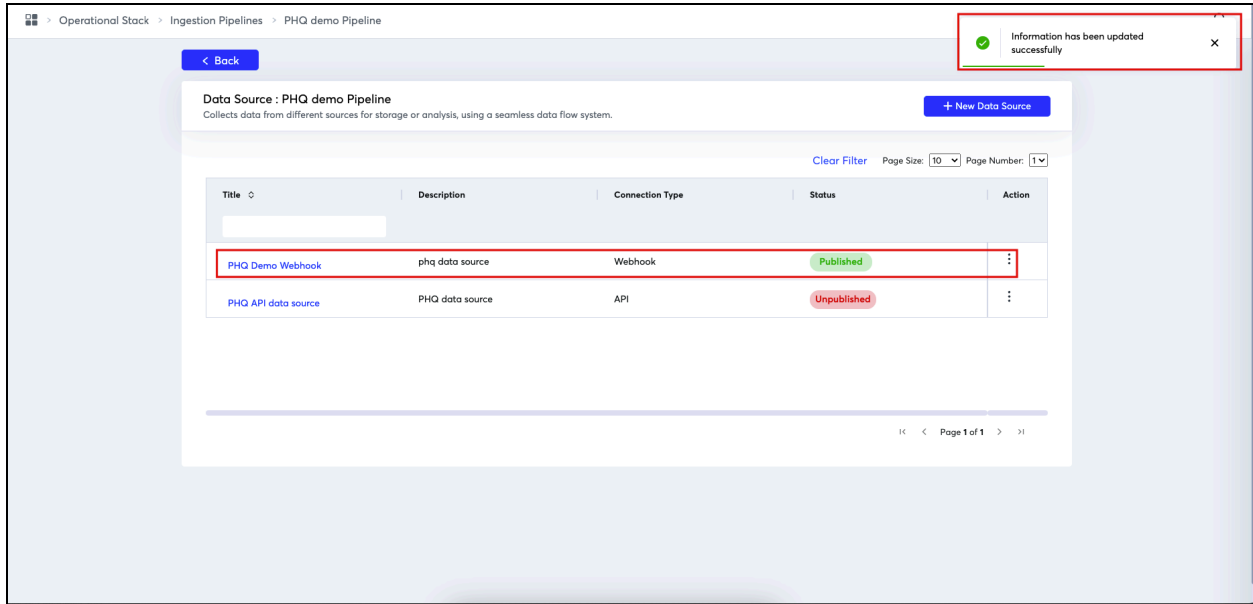
Location_Property (MDM) | v

+Add Destination

Save Save & Publish

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- After saving and publishing the source, a message will typically appear in the top right corner of the screen, and the page will redirect to the data source list.



3. Create File Data source:

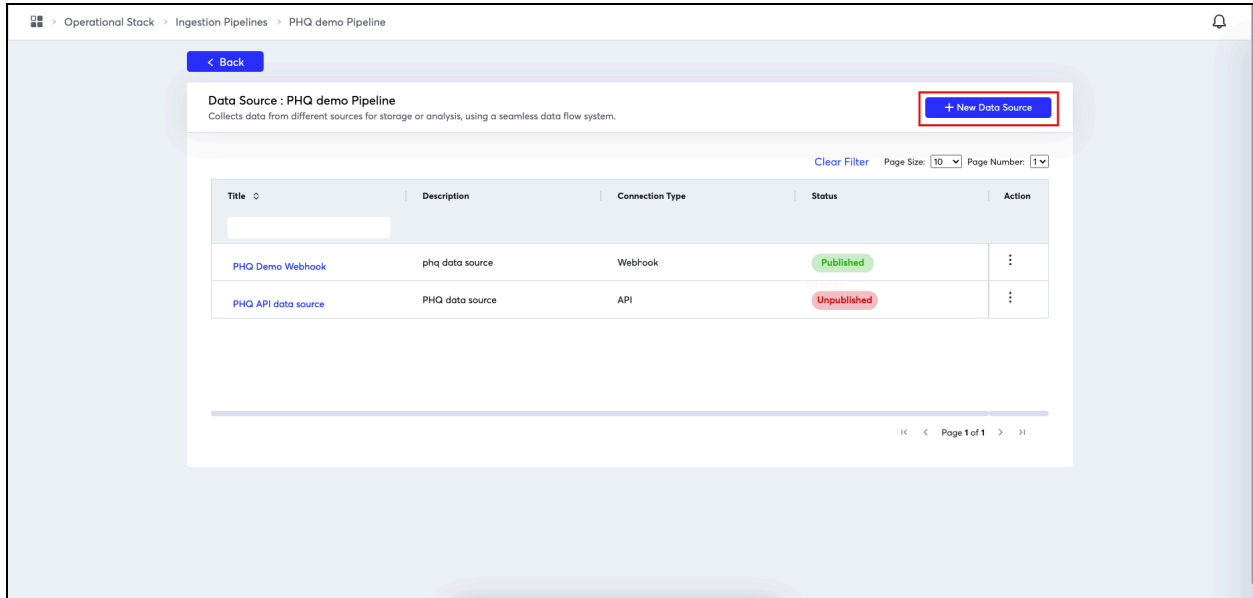
Description: File sources for data ingestion include a variety of formats and protocols through which data can be imported and utilized. Common file sources include Excel files, and files accessed via SFTP (Secure File Transfer Protocol) and FTP (File Transfer Protocol). Here's a detailed description of each:

Excel Data Source:

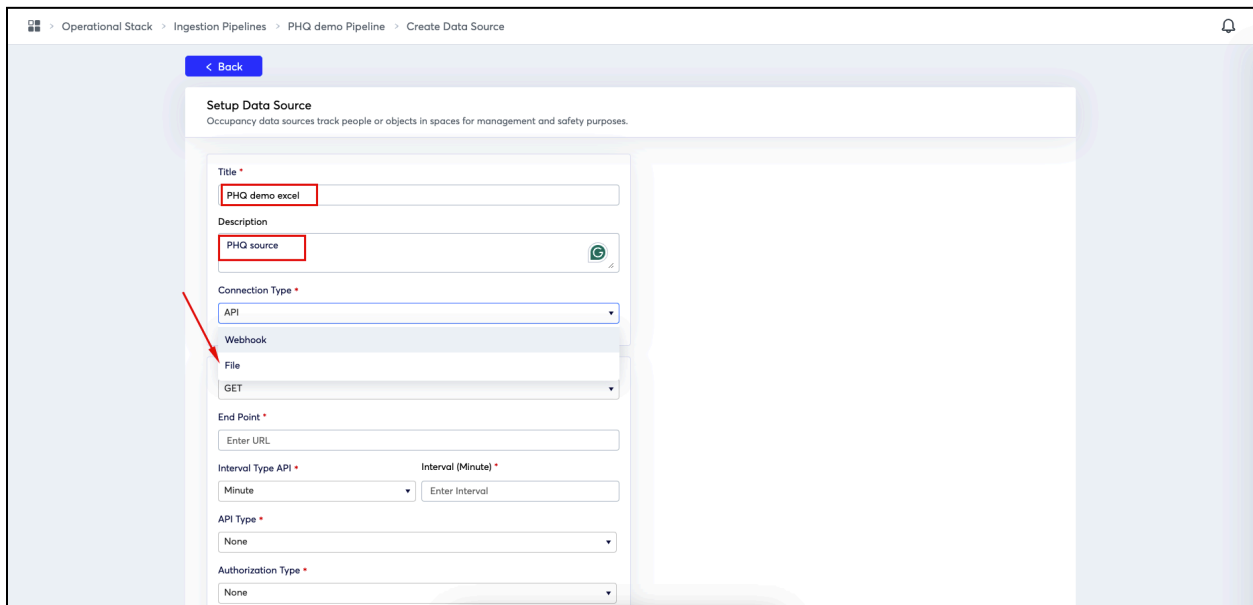
Description: An Excel Data Source for data ingestion refers to the process of importing and utilizing data from Excel spreadsheets. Excel files, typically with extensions such as `.xlsx` or `.xls`, are widely used due to their versatility and user-friendly interface. This process involves several key steps:

Steps:

- Click on the “**Create New Data Source**” Button.



- Go to the New Data Source Page.
- Enter the Title data (e.g: **PHQ demo excel**).
- Enter the Description data(e.g: **PHQ source**).
- Select the Connection Type **File** from the dropdown.



- After selecting the Connection type file, two fields will appear,
 - Fetch file from FTP/SFTP
 - Upload file

Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > Create Data Source

Setup Data Source

Occupancy data sources track people or objects in spaces for management and safety purposes.

Title *

PHQ demo excel

Description

PHQ source

Connection Type *

File

File Attachment

☐ Fetch file from FTP/SFTP

Upload Excel *

Choose a file or drag it here

[Click here to view the supported file types](#)

Sample Payload *

Save

- The "**Fetch file from FTP/SFTP**" field is used exclusively for SFTP/FTP data sources and will not be applicable to Excel data sources.
- Upload an Excel file in the 'Upload Excel' field to Create Payload field.
- After uploading the excel file, A **Generate Payload** button will be visible.

Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > Create Data Source

Setup Data Source

Occupancy data sources track people or objects in spaces for management and safety purposes.

Title *

PHQ demo excel

Description

PHQ source

Connection Type *

File

File Attachment

☐ Fetch file from FTP/SFTP

Upload Excel *

Choose a file or drag it here

[Click here to view the supported file types](#)

[Relation Location Property.xlsx](#)

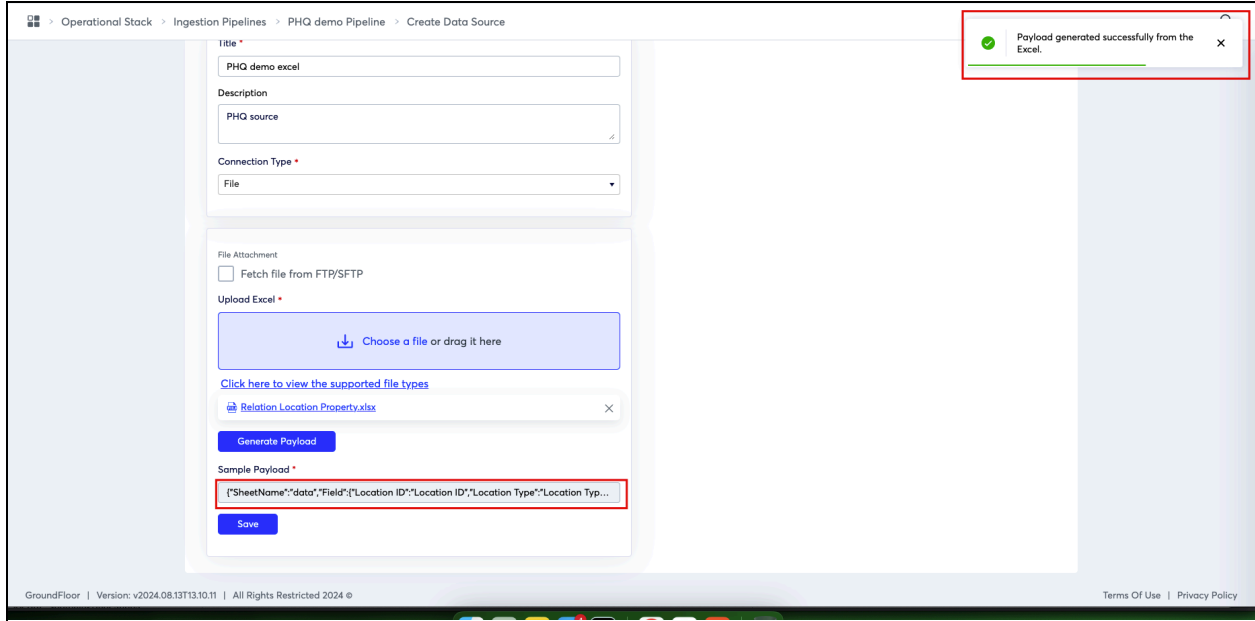
Generate Payload

Sample Payload *

Save

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- Click on the **Generate Payload** button.
- After clicking the **Generate Payload** button, The payload will be automatically generated in the 'Sample Payload' field.



Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > Create Data Source

Title *

PHQ demo excel

Description

PHQ source

Connection Type *

File

File Attachment

☐ Fetch file from FTP/SFTP

Upload Excel *

Choose a file or drag it here

[Click here to view the supported file types](#)

Relation Location Property.xlsx

Generate Payload

Sample Payload *

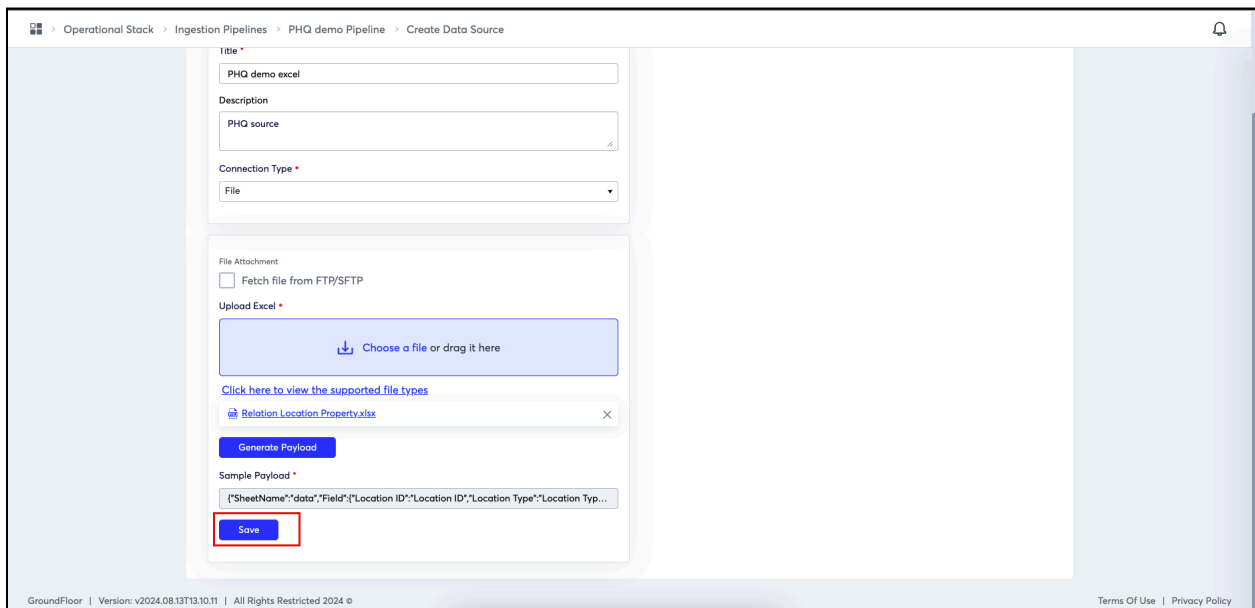
{\"SheetName\":\"data\",\"Field\":{\"Location ID\":\"Location ID\",\"Location Type\":\"Location Typ...\"}

Save

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- Click on the **Save** button.



Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > Create Data Source

Title *

PHQ demo excel

Description

PHQ source

Connection Type *

File

File Attachment

☐ Fetch file from FTP/SFTP

Upload Excel *

Choose a file or drag it here

[Click here to view the supported file types](#)

Relation Location Property.xlsx

Generate Payload

Sample Payload *

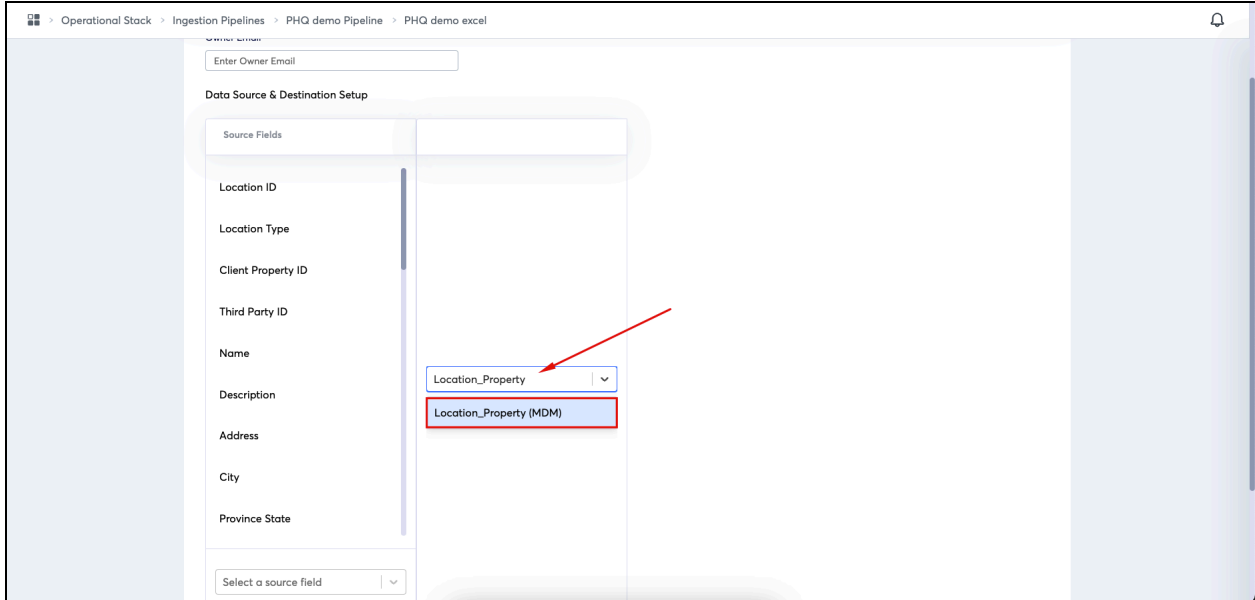
{\"SheetName\":\"data\",\"Field\":{\"Location ID\":\"Location ID\",\"Location Type\":\"Location Typ...\"}

Save

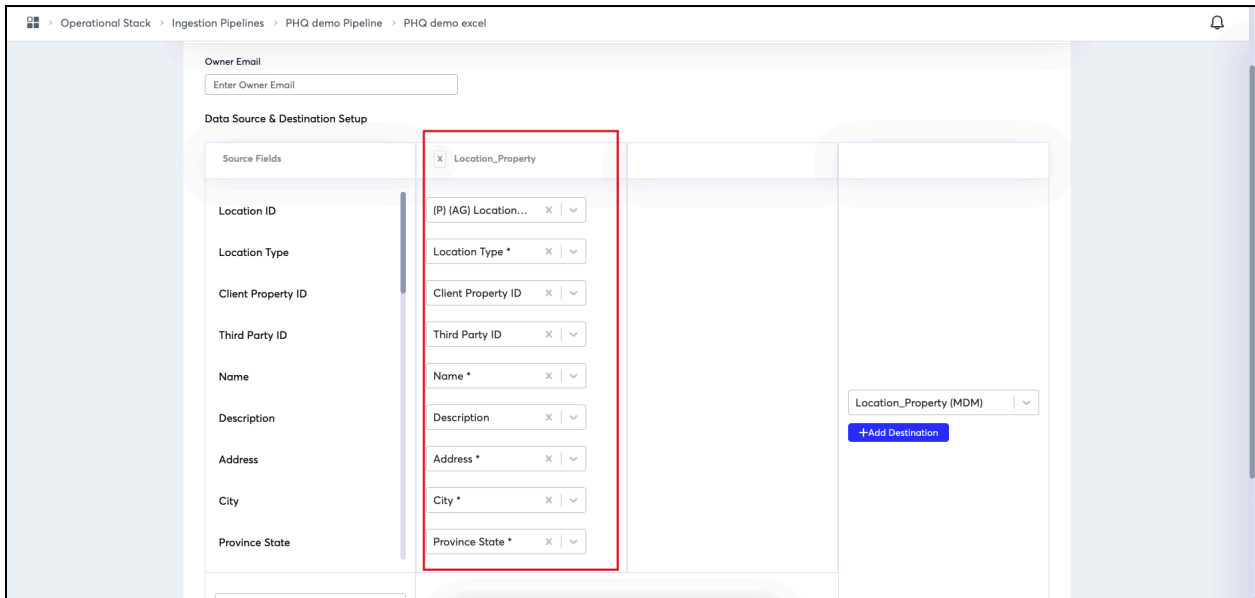
GroundFloor | Version: v2024.08.13T13.10.11 | All Rights Reserved 2024 ©

Terms Of Use | Privacy Policy

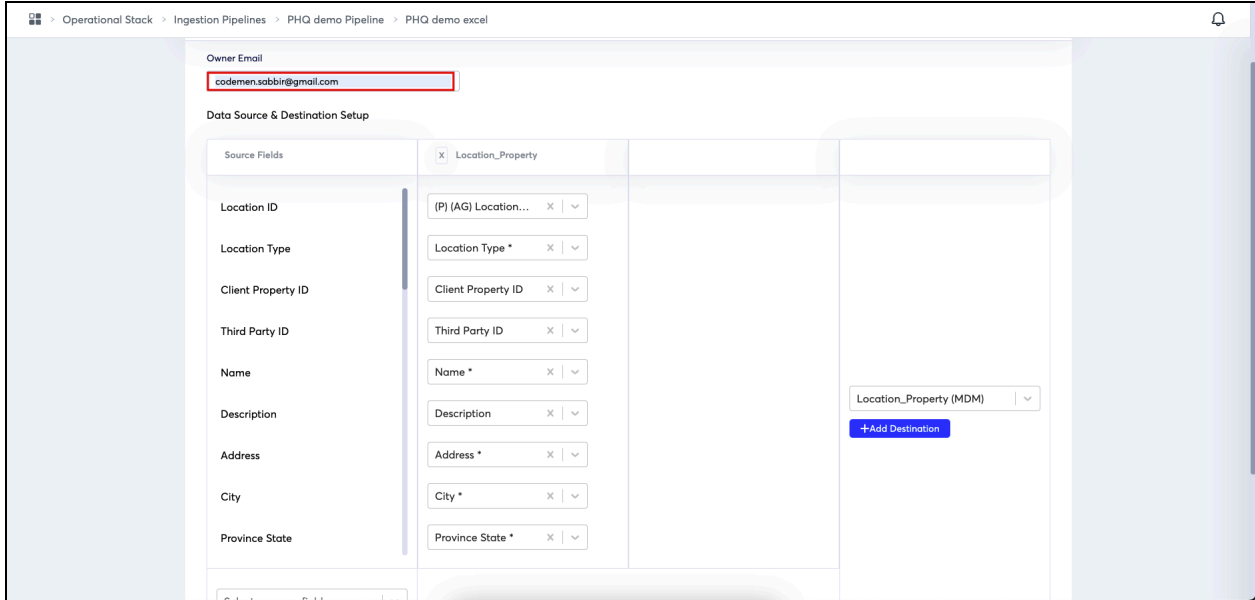
- It will direct the user to the Data Mapping page.
- Now, search the module on the **Add Destination** search box (e.g.: **Location_Property**).



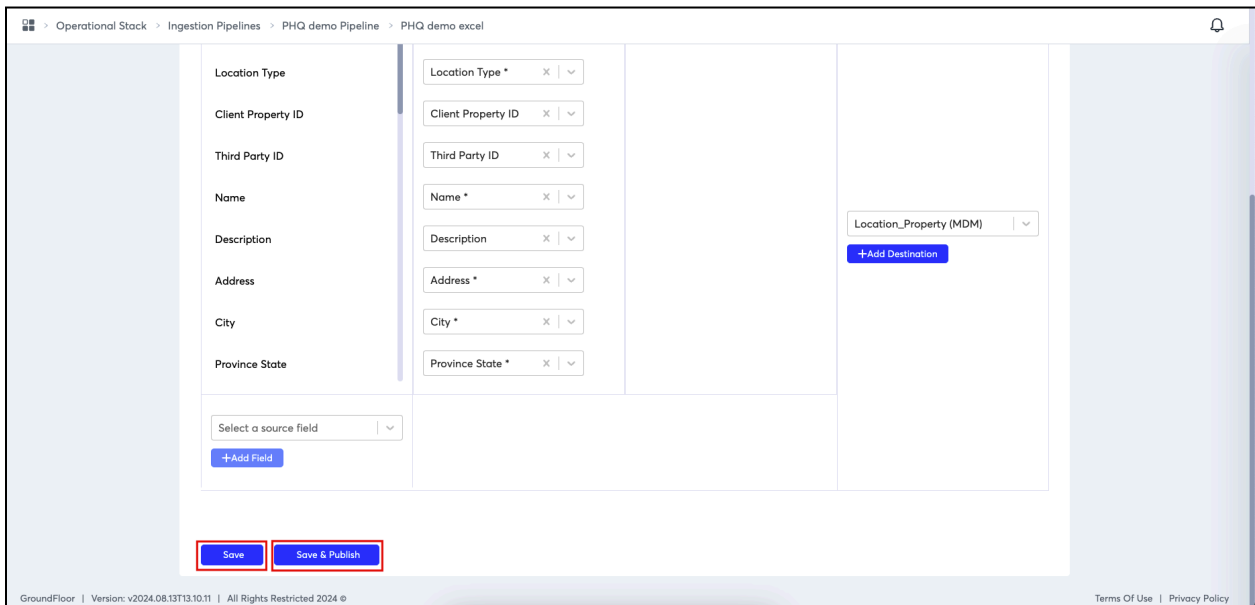
- Select the module from dropdown.
- Click on the **Add Destination** button.
- Data fields will be mapped automatically at the right side of **Source Fields**.



- Enter the email address into the owner email field (Purpose: If any data ingestion process fails, the owner will receive an error notification email from the source.)

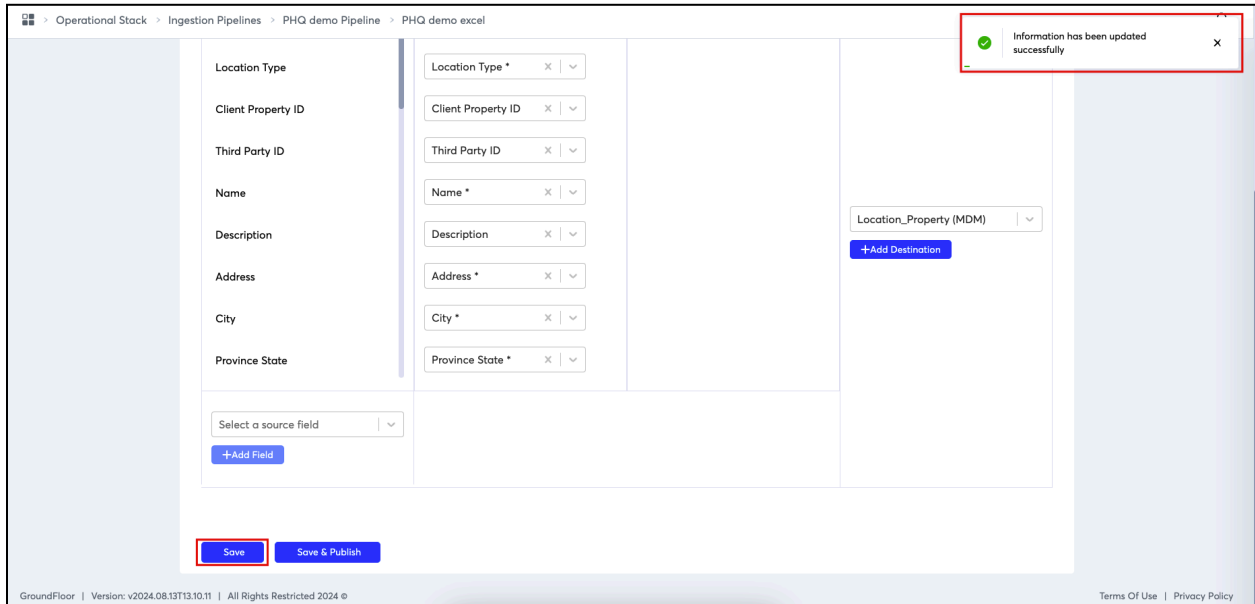


- Scroll to the bottom to find the buttons.



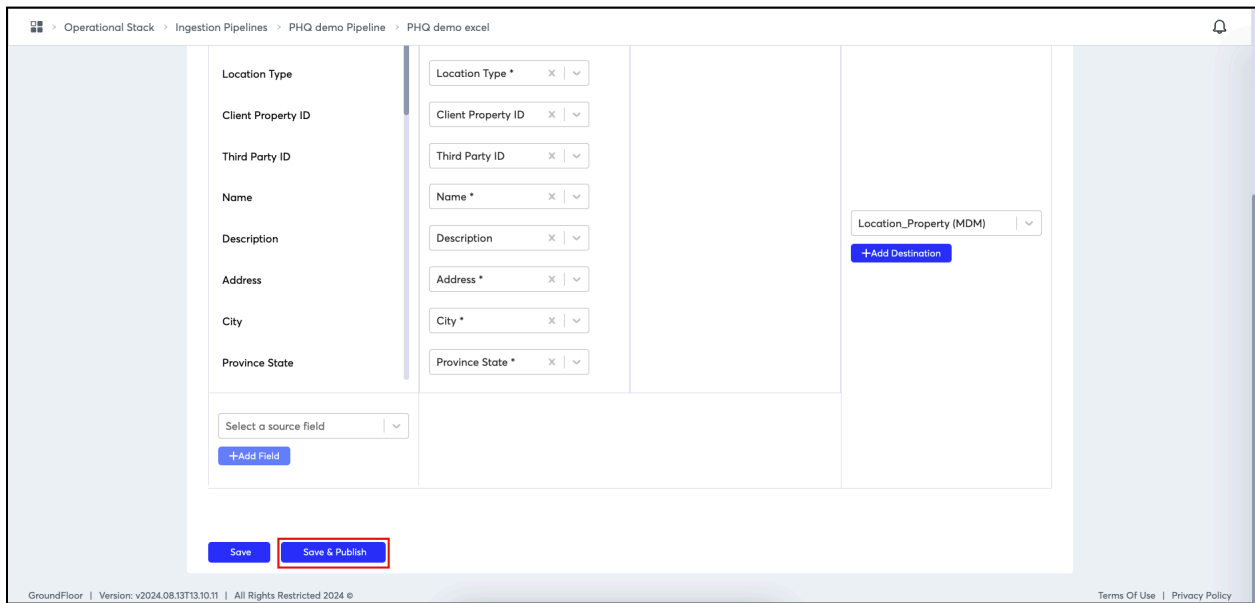
- There are two buttons available: a "**Save**" button and a "**Save and Publish**" button.
 - **Save:** Clicking the "Save" button will save the source. The source can be published and used for data ingestion at a later time.
 - **Save and Publish:** Clicking the "Save and Publish" button will save and publish the source. After publication, the system will start ingesting data based on the specified interval. For example, if the interval is set to 10 minutes, data ingestion will occur every 10 minutes.

- When the user clicks the save button, a message will typically appear in the top right corner of the screen.



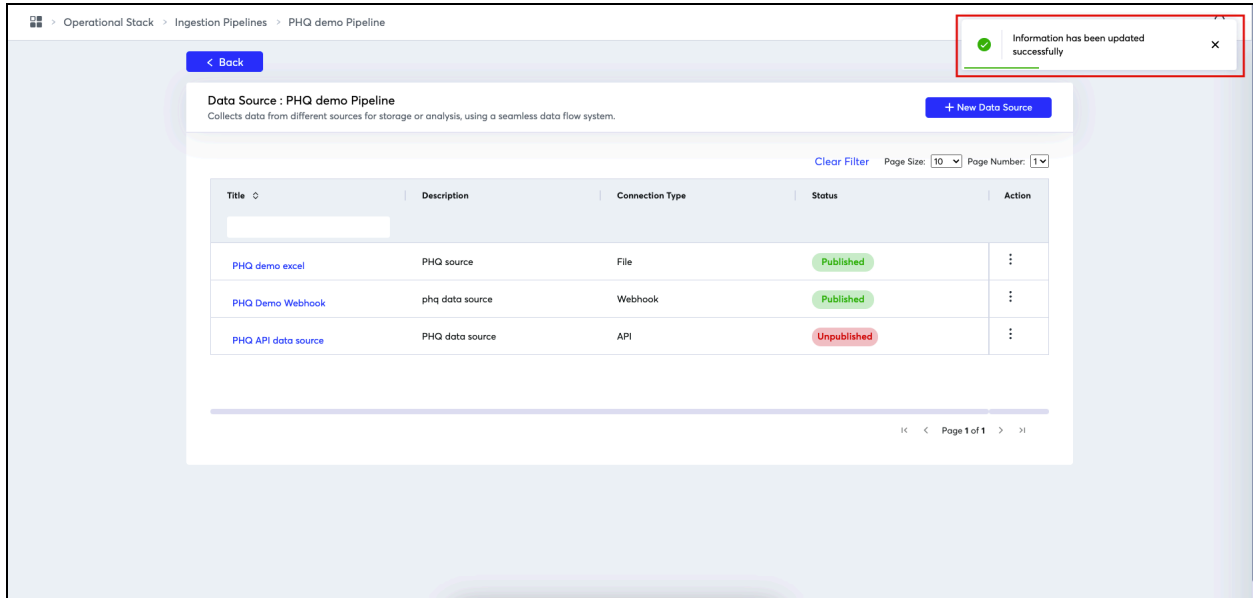
The screenshot shows the 'PHQ demo excel' form in the 'Operational Stack' > 'Ingestion Pipelines' section. The form contains several input fields for location data, including 'Location Type', 'Client Property ID', 'Third Party ID', 'Name', 'Description', 'Address', 'City', and 'Province State'. A 'Save' button is highlighted with a red box. In the top right corner, a green success message box states 'Information has been updated successfully'. The footer includes 'GroundFloor | Version: v2024.08.13T13:10:11 | All Rights Reserved 2024 ©' and 'Terms Of Use | Privacy Policy'.

- When the user clicks the **"Save and Publish"** button, the source will be saved and published.



This screenshot is identical to the previous one, showing the 'PHQ demo excel' form. However, the 'Save & Publish' button is now highlighted with a red box, and the success message box is no longer visible. The footer remains the same: 'GroundFloor | Version: v2024.08.13T13:10:11 | All Rights Reserved 2024 ©' and 'Terms Of Use | Privacy Policy'.

- After saving and publishing the source, a message will typically appear in the top right corner of the screen, and the page will redirect to the data source list.



Operational Stack > Ingestion Pipelines > PHQ demo Pipeline

[Back](#)

Data Source : PHQ demo Pipeline
Collects data from different sources for storage or analysis, using a seamless data flow system.

[+ New Data Source](#)

[Clear Filter](#) Page Size: 10 Page Number: 1

Title	Description	Connection Type	Status	Action
PHQ demo excel	PHQ source	File	Published	⋮
PHQ Demo Webhook	phq data source	Webhook	Published	⋮
PHQ API data source	PHQ data source	API	Unpublished	⋮

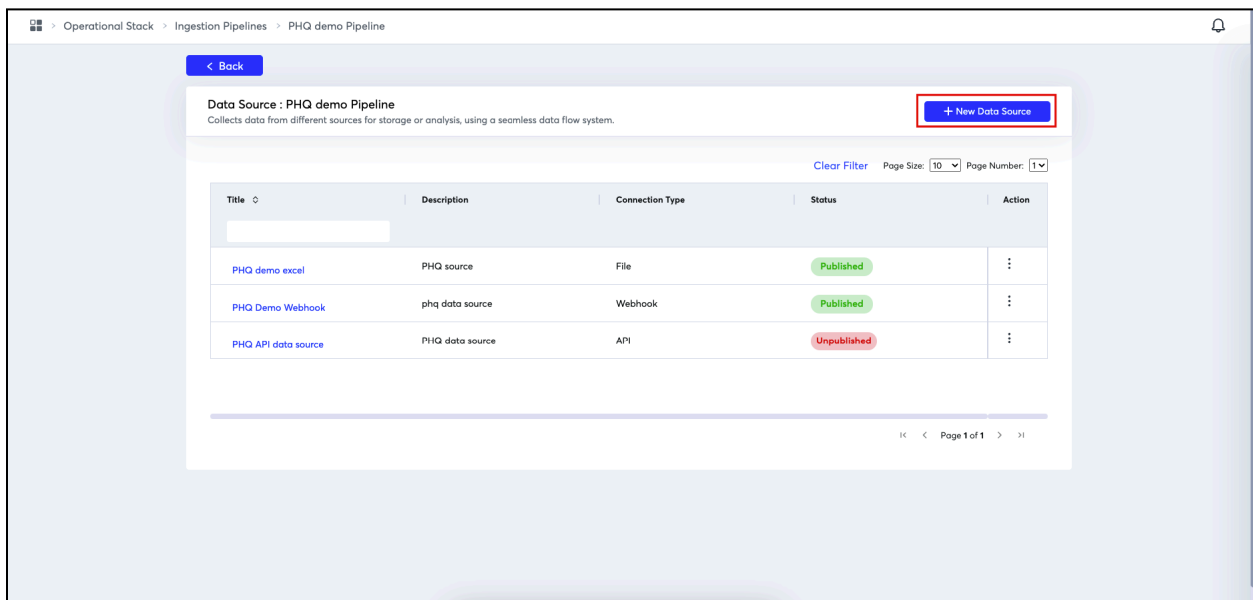
Page 1 of 1

SFTP/FTP Data Source:

Description: System supports data ingestion from files transferred via SFTP (Secure File Transfer Protocol) and FTP (File Transfer Protocol). These protocols enable the transfer of files between remote servers and your system, allowing for a range of data formats to be imported.

Steps:

- Click on the “+ New Data Source” Button.



Operational Stack > Ingestion Pipelines > PHQ demo Pipeline

[Back](#)

Data Source : PHQ demo Pipeline
Collects data from different sources for storage or analysis, using a seamless data flow system.

[+ New Data Source](#)

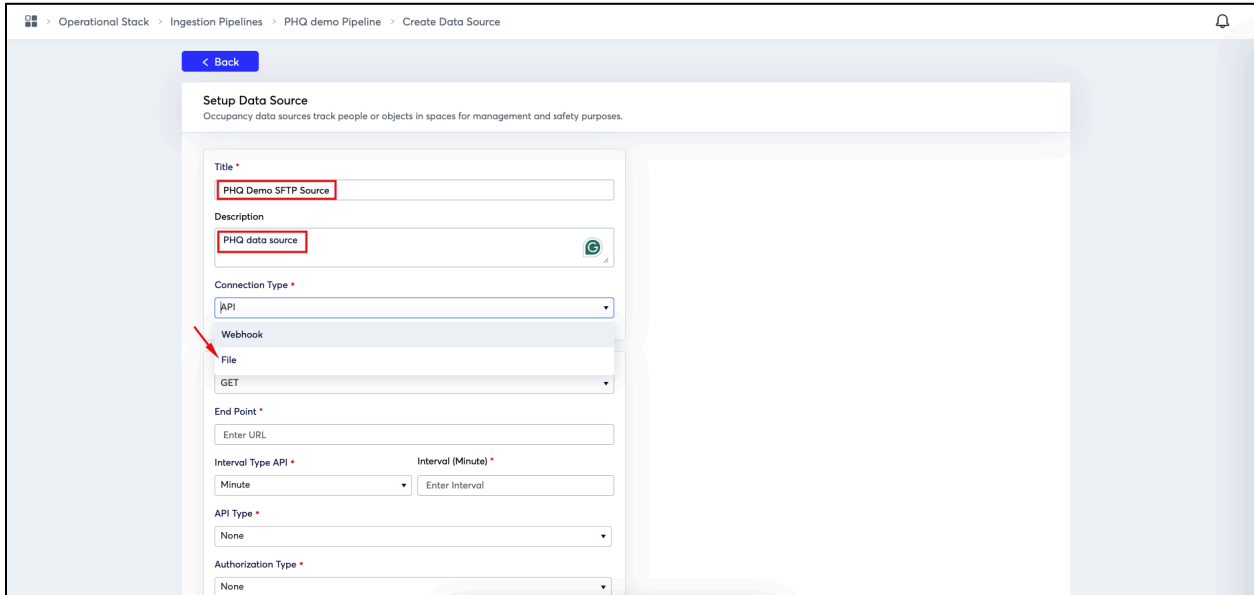
[Clear Filter](#) Page Size: 10 Page Number: 1

Title	Description	Connection Type	Status	Action
PHQ demo excel	PHQ source	File	Published	⋮
PHQ Demo Webhook	phq data source	Webhook	Published	⋮
PHQ API data source	PHQ data source	API	Unpublished	⋮

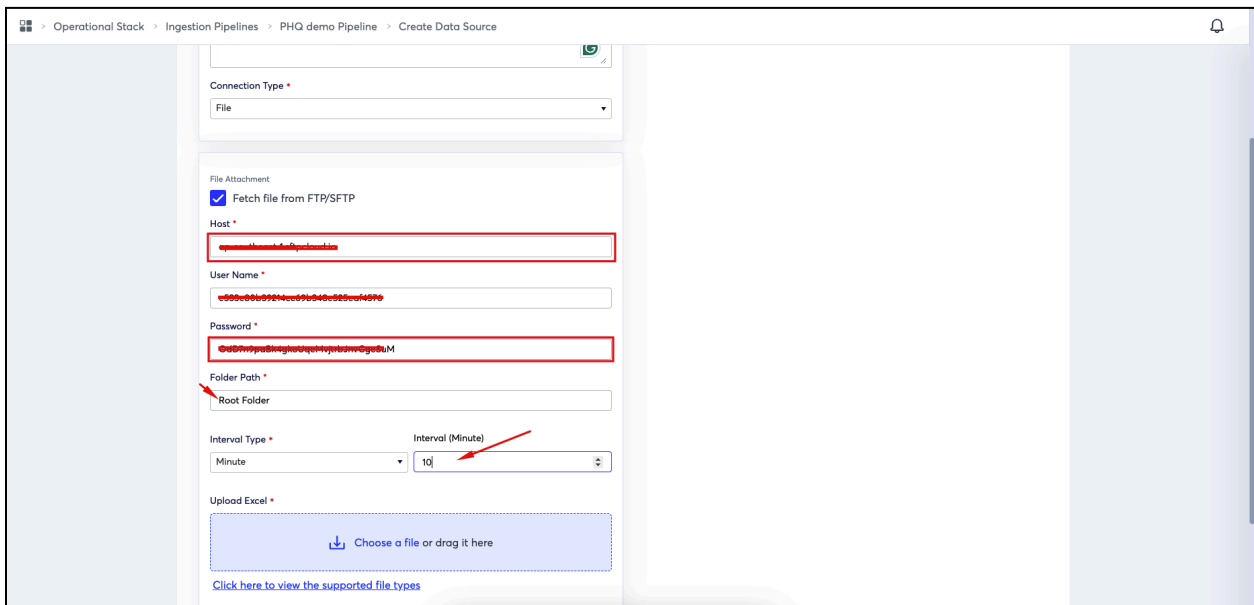
Page 1 of 1

- Go to the Setup Data Source Page.

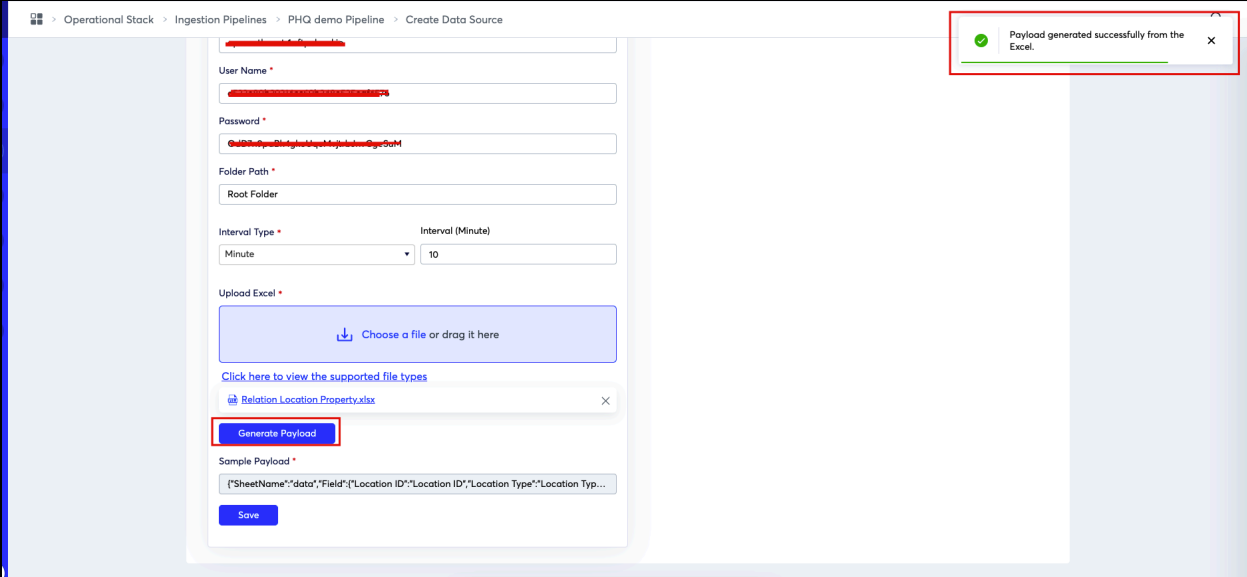
- Enter the Title data (e.g.: **PHQ Demo SFTP Source**).
- Enter the Description data(e.g.: **PHQ data source**).
- Select the Connection Type **File** from the dropdown.



- Then check the **Fetch file from FTP/SFTP** checkbox
- Enter the Host name in the **hostname** field
- Enter the Username in the **username** field
- Enter the Password in the **password** field
- Enter the Folder path in the **folder path** field
- Select the Interval Type (e.g. Minute)
- Enter the Interval time (e.g.: 10)

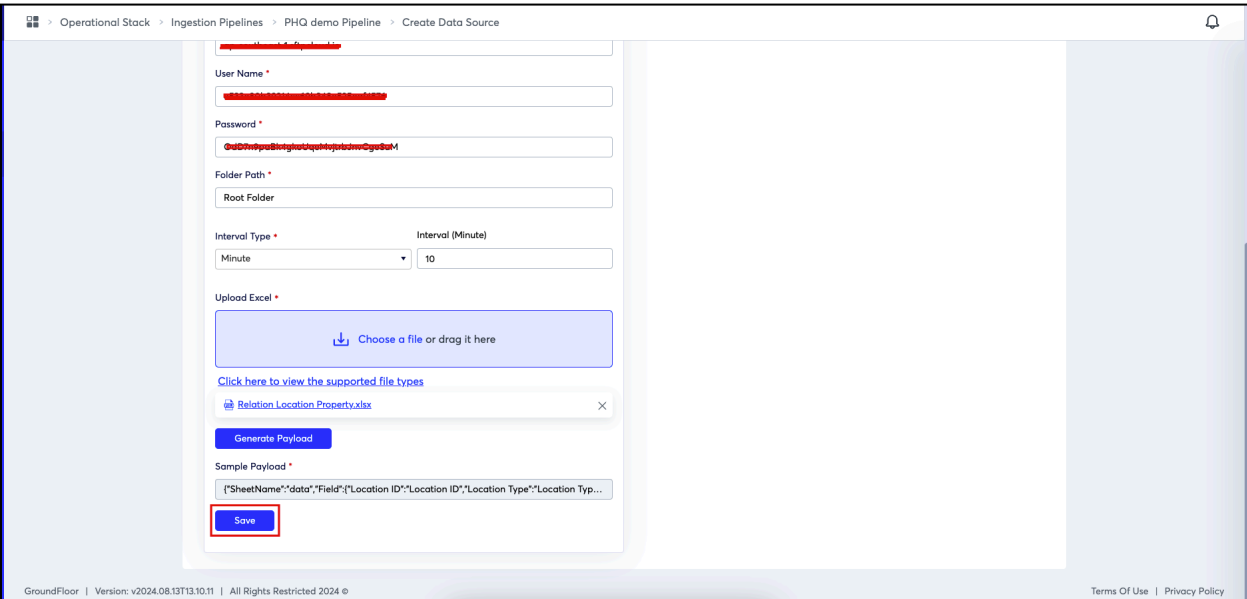


- Upload an Excel file in the '**Upload Excel**' to create a payload field.
- After uploading the file,a Generate Payload button will be visible.
- Click on the **Generate Payload** button



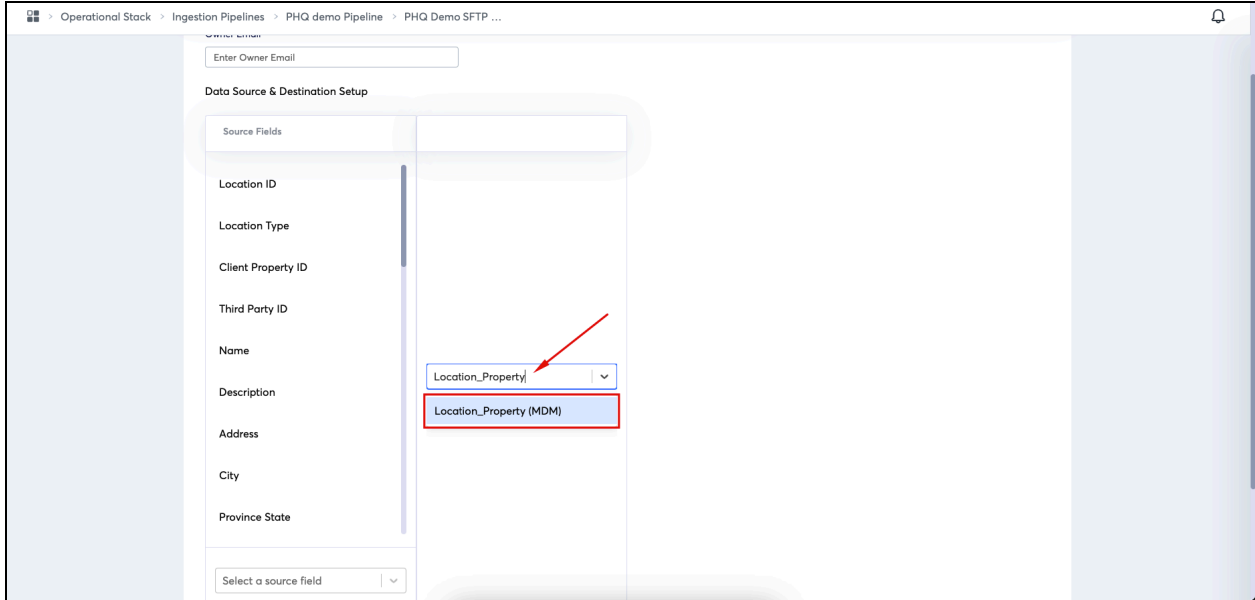
The screenshot shows the 'Create Data Source' form. The 'Generate Payload' button is highlighted with a red box. A success message 'Payload generated successfully from the Excel.' is displayed in the top right corner. The form includes fields for User Name, Password, Folder Path, Interval Type, Interval (Minute), and an Upload Excel section. A sample payload is shown below the Generate Payload button.

- After clicking the Generate Payload button, the payload will be automatically generated in the 'Sample Payload' field.
- Click on the **Save** button.

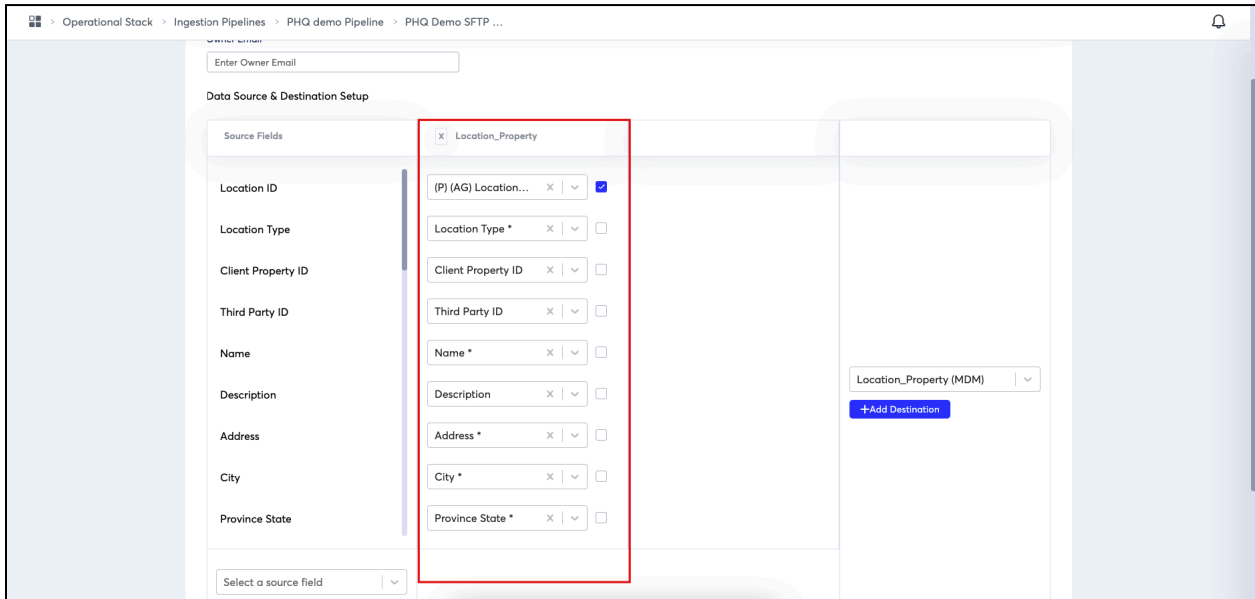


The screenshot shows the 'Create Data Source' form. The 'Save' button is highlighted with a red box. The form includes fields for User Name, Password, Folder Path, Interval Type, Interval (Minute), and an Upload Excel section. A sample payload is shown below the Generate Payload button.

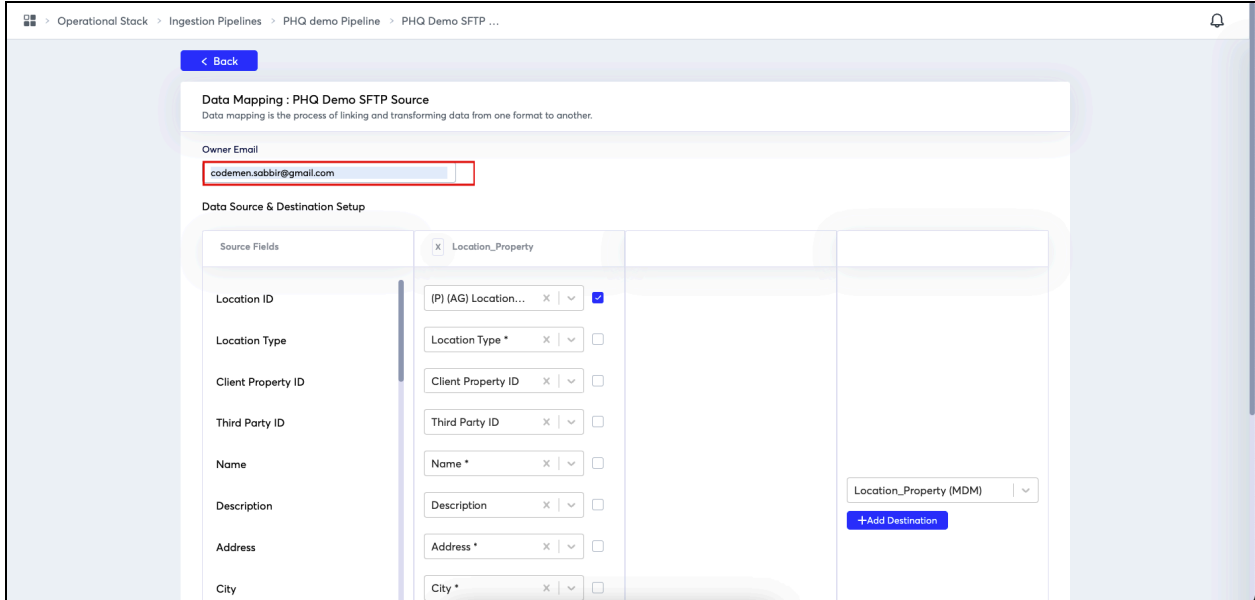
- It will direct the user to the Data Mapping page.
- Now, search the module on the **Add Destination** search box (e.g.: **Location_Property**).



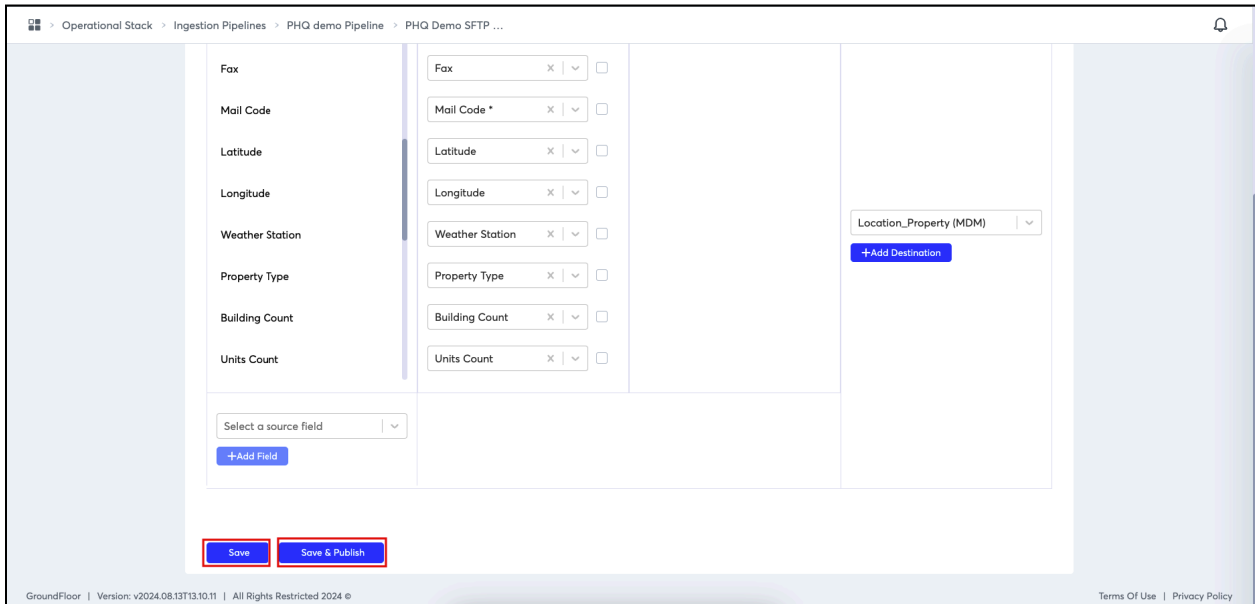
- Select the module from dropdown.
- Click on the **Add Destination** button.
- Data fields will be mapped automatically at the right side of **Source Fields**.



- Enter the email address into the owner email field (Purpose: If any data ingestion process fails, the owner will receive an error notification email from the source.)

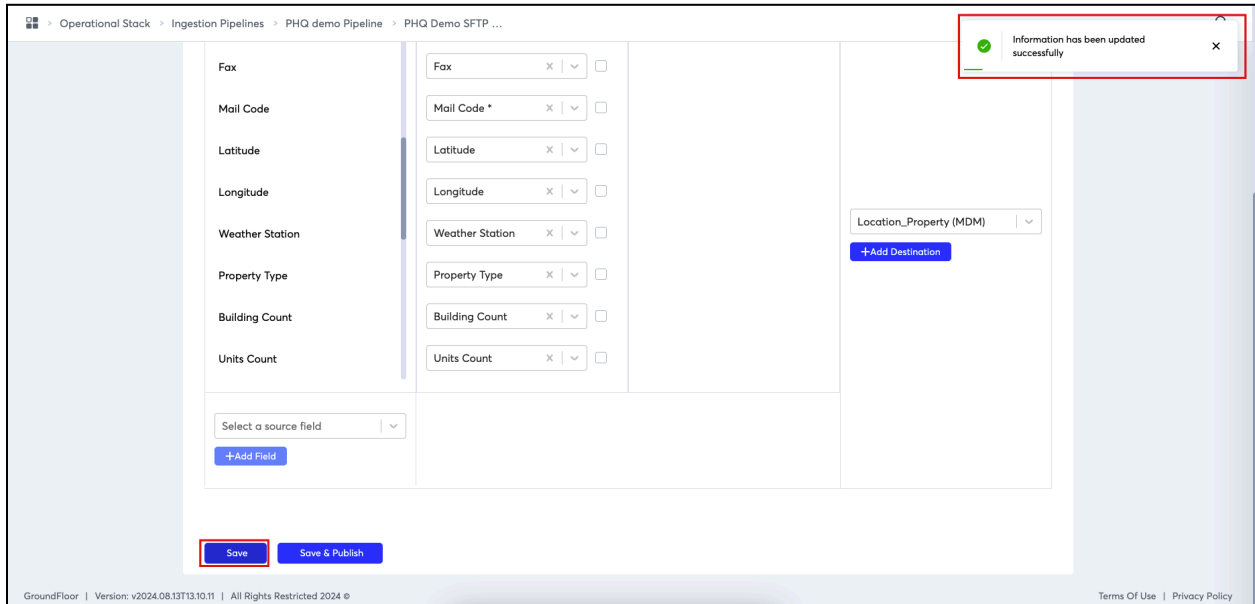


- Scroll to the bottom to find the buttons.



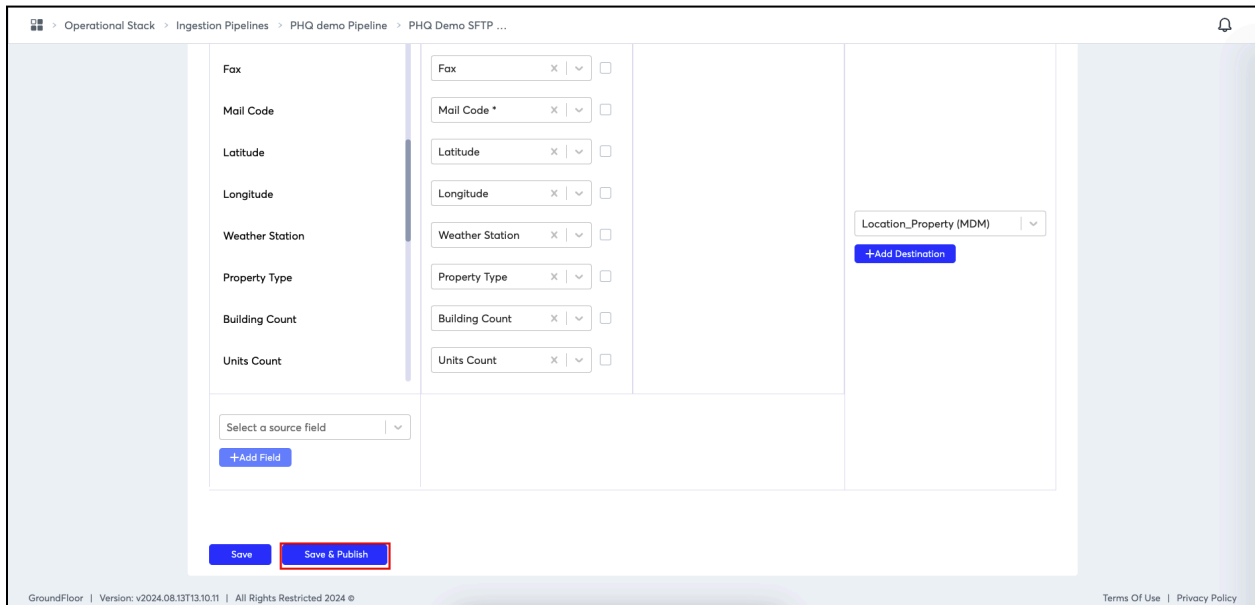
- There are two buttons available: a "**Save**" button and a "**Save and Publish**" button.
 - **Save:** Clicking the "Save" button will save the source. The source can be published and used for data ingestion at a later time.
 - **Save and Publish:** Clicking the "Save and Publish" button will save and publish the source. After publication, the system will start ingesting data based on the specified interval. For example, if the interval is set to 10 minutes, data ingestion will occur every 10 minutes.

- When the user clicks the save button, a message will typically appear in the top right corner of the screen.



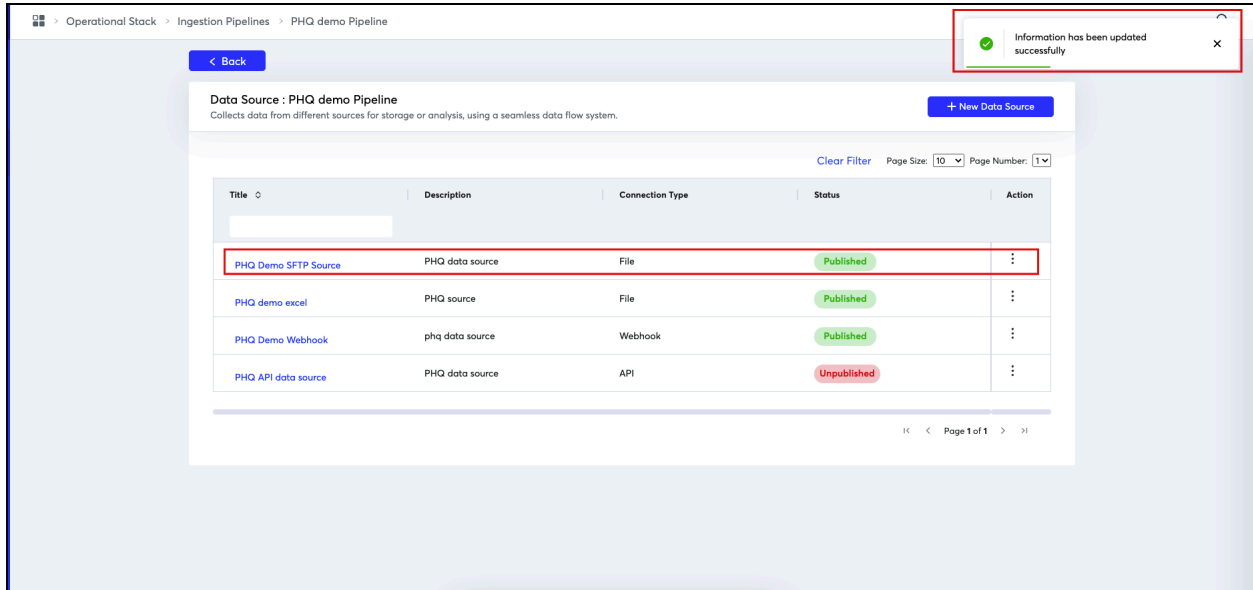
The screenshot shows the 'PHQ Demo SFTP' configuration page. A red box highlights a success message in the top right corner: 'Information has been updated successfully'. The page contains various input fields for configuration, including 'Fax', 'Mail Code', 'Latitude', 'Longitude', 'Weather Station', 'Property Type', 'Building Count', and 'Units Count'. At the bottom, there are 'Save' and 'Save & Publish' buttons. The footer includes 'GroundFloor | Version: v2024.08.13T13.10.11 | All Rights Reserved 2024 ©' and 'Terms Of Use | Privacy Policy'.

- When the user clicks the **"Save and Publish"** button, the source will be saved and published.



This screenshot is identical to the previous one, but the 'Save & Publish' button at the bottom is highlighted with a red box. The success message is no longer visible, indicating the user has just clicked the button. The rest of the page layout and content remain the same.

- After saving and publishing the source, a message will typically appear in the top right corner of the screen, and the page will redirect to the data source list.



Operational Stack > Ingestion Pipelines > PHQ demo Pipeline

< Back

Data Source : PHQ demo Pipeline
Collects data from different sources for storage or analysis, using a seamless data flow system.

+ New Data Source

Clear Filter Page Size: 10 Page Number: 1

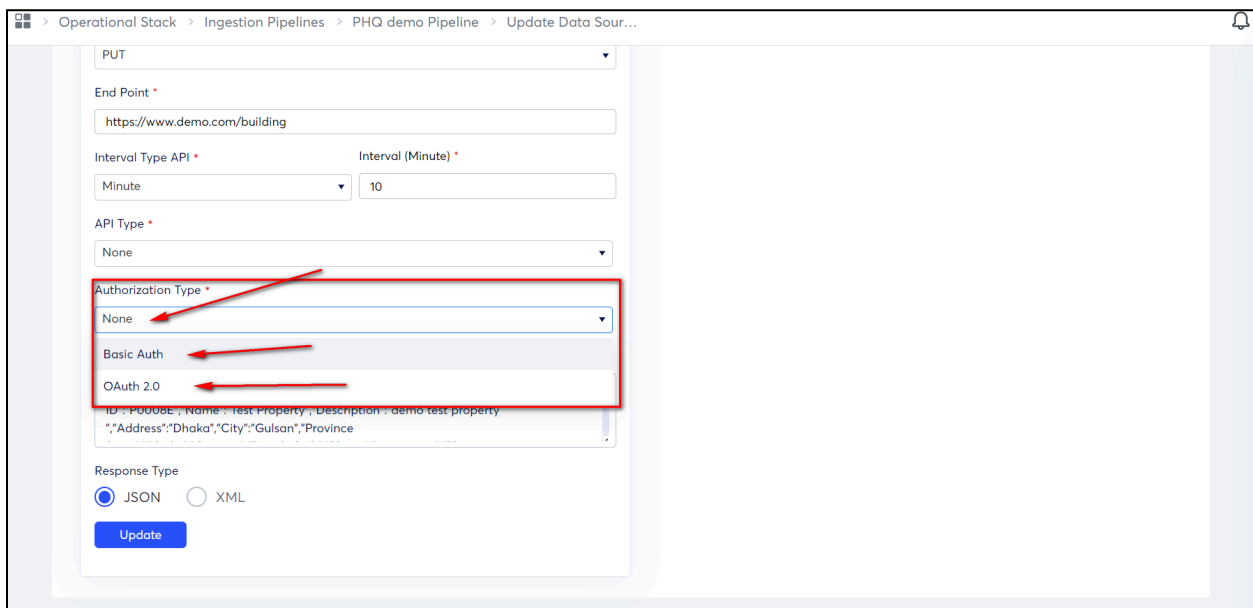
Title	Description	Connection Type	Status	Action
PHQ Demo SFTP Source	PHQ data source	File	Published	
PHQ demo excel	PHQ source	File	Published	
PHQ Demo Webhook	phq data source	Webhook	Published	
PHQ API data source	PHQ data source	API	Unpublished	

Page 1 of 1

Authorization for API:

Description: Using this functionality, users can use three types of authorization functionality here.

- Basic Auth.
- None.
- OAuth 2.0.



Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > Update Data Sour...

PUT

End Point *

https://www.demo.com/building

Interval Type API * Interval (Minute) *

Minute 10

API Type *

None

Authorization Type *

None

Basic Auth

OAuth 2.0

ID: P0008E, Name: Test Property, Description: demo test property
Address: Dhaka, City: Gulsan, Province

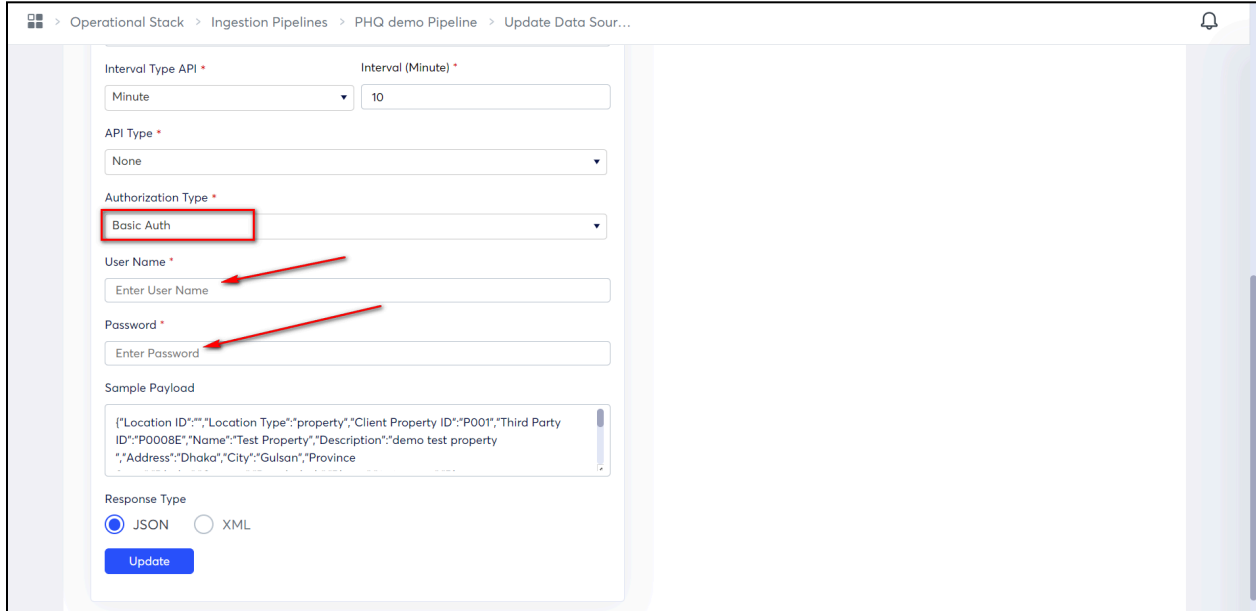
Response Type

☒ JSON ☐ XML

Update

If the user selects the authorization type of **Basic Auth**, they must fill in the input field. There are two fields:

- Username (authorization username).
- password (authorization password).



Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > Update Data Sour...

Interval Type API * Interval (Minute) *

Minute 10

API Type *

None

Authorization Type *

Basic Auth

User Name *

Enter User Name

Password *

Enter Password

Sample Payload

```
[{"Location ID":"","Location Type":"","property":"","Client Property ID":"","Third Party ID":"","P0008E":"","Name":"","Test Property":"","Description":"","demo test property":"","Address":"","Dhaka":"","City":"","Gulson":"","Province"}]
```

Response Type

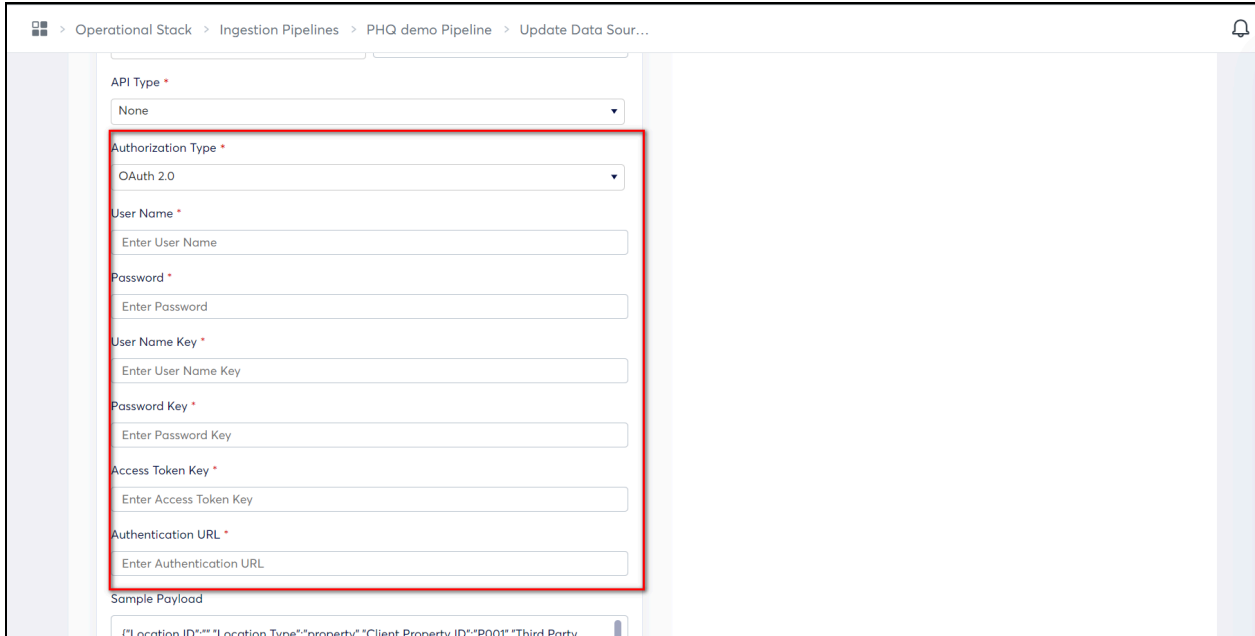
☒ JSON ☐ XML

Update

If the user selects the authorization type of **None**, the No input field will open. (no need to fill the input field).

If a user selects the authorization type of **OAuth 2.0**, they must fill in six input fields. There are:

- Username.
- Password.
- Username key.
- Password key.
- Access token key.
- Authentication URL.



(If the user clicks the Back button, the page will be back on the data source page.)

Search Data Source :

Description: The user can search for the data source using the data source name.

Steps:

- Go to the search field to find any data source.
- Enter the title into the search box (Ex: **API data source**).
- After entering the title, the data source will display.

[< Back](#)

Data Source : PHQ demo Pipeline
 Collects data from different sources for storage or analysis, using a seamless data flow system.
 [+ New Data Source](#)

[Clear Filter](#)
Page Size: 10
Page Number: 1

Title ▾	Description	Connection Type	Status	Acti...
API data source				
PHQ API data source	PHQ data source	API	Unpublished	⋮

< > Page 1 of 1 < >

Update Data Source:

Description: All data sources can be updated in the same manner, including data source setup information and source mapping. However, if a source is published, it cannot be updated while in the published state. The source must first be unpublished before any updates can be made. Once unpublished, updates can proceed as described below:

If the data source is published:

1. Click the three-dot icon in the action column.
2. Click on the unpublish option

[< Back](#)

Data Source : PHQ demo Pipeline
 Collects data from different sources for storage or analysis, using a seamless data flow system.
 [+ New Data Source](#)

[Clear Filter](#)
Page Size: 10
Page Number: 1

Title ▾	Description	Connection Type	Status	Acti...
PHQ Demo SFTP Source	PHQ data source	File	Unpublished	⋮
PHQ demo excel	PHQ source	File	Published	⋮
PHQ Demo Webhook	phq data source	Webhook	Published	⋮
PHQ API data source	PHQ data source	API	Unpublished	⋮

< > Page 1 of 1 < >

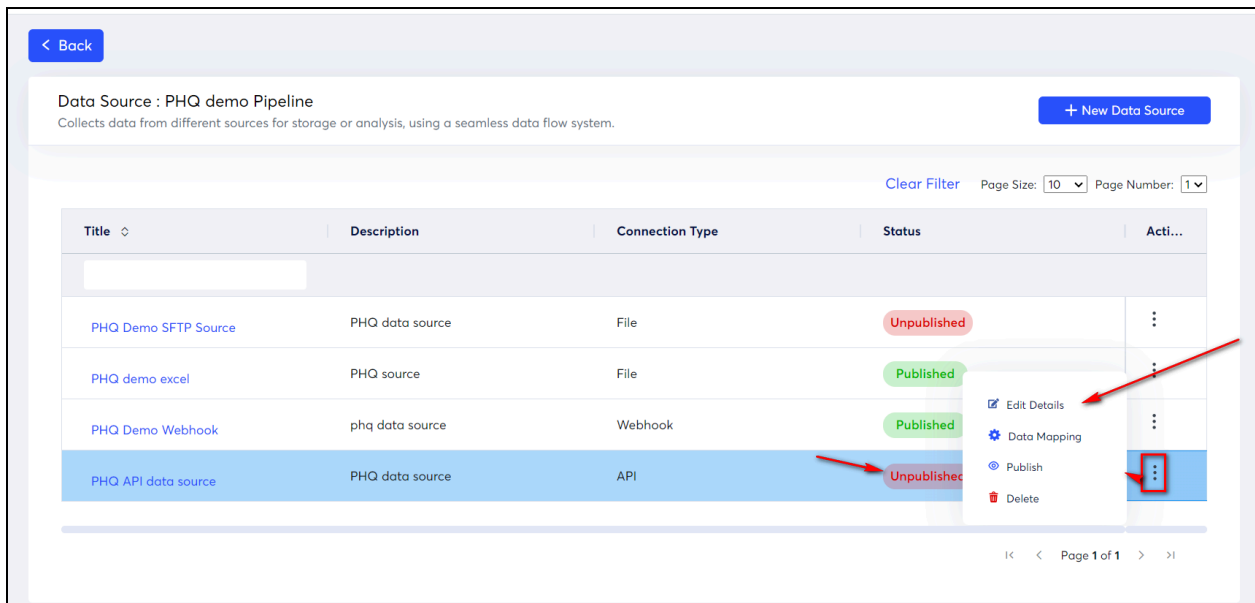
Updating Source Information:

The setup information, such as the title, description, endpoint, interval time, authorization details, payload, and other parameters, can be updated. If any changes are made to the payload, interval time, or other key settings, the data source mapping must also be updated.

To update the source information follow the instructions:

Steps to update the source information:

1. Click the three-dot icon in the action column.
2. Select the "Edit Details" option.

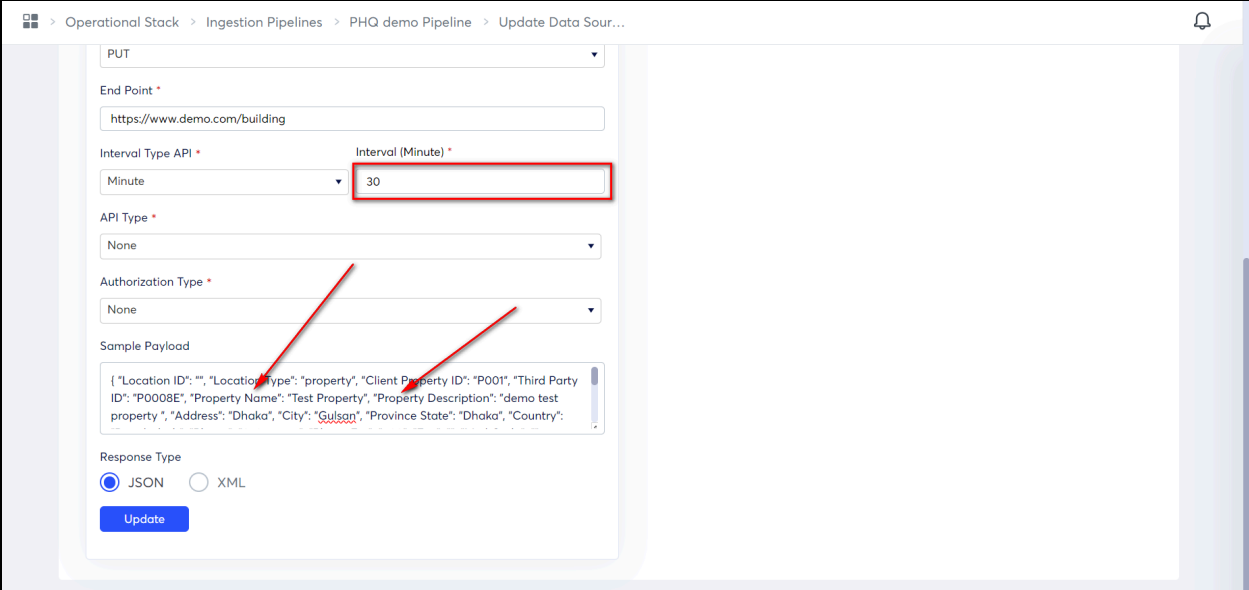


The screenshot displays the 'Data Source : PHQ demo Pipeline' interface. It includes a search bar, a 'Clear Filter' button, and pagination controls (Page Size: 10, Page Number: 1). The table below shows the list of data sources:

Title	Description	Connection Type	Status	Acti...
PHQ Demo SFTP Source	PHQ data source	File	Unpublished	⋮
PHQ demo excel	PHQ source	File	Published	⋮
PHQ Demo Webhook	phq data source	Webhook	Published	⋮
PHQ API data source	PHQ data source	API	Unpublished	⋮

The dropdown menu for the 'PHQ API data source' shows the following options: Edit Details, Data Mapping, Publish, and Delete. The 'Edit Details' option is highlighted with a red arrow.

3. The page will redirect to the update data source page.
4. Adjust the interval time in the Interval input field (e.g., 30).
5. Modify the payload any field (e.g.:{ "Location ID": "", "Location Type": "property", "Client Property ID": "P001", "Third Party ID": "P0008E", "Property Name": "Test Property", "Property Description": "demo test property ", "Address": "Dhaka", "City": "Gulsan", "Province State": "Dhaka", "Country": "Bangladesh", "Phone": "052454541", "Phone Ext": "+88", "Fax": "", "Mail Code": "", "Latitude": "1545.6354", "Longitude": "-212.254", "Weather Station": "Weather Station", "Property Type": "Property Type", "Building Count": 2, "Units Count": 4, "Region": "Islam", "Division": "Dhaka", "Group": "A", "Sub Company": "AB", "District": "Dhaka", "Cluster": " ", "Lot Size Acreage": 2, "Count Parking Spaces": 55, "Count Ev Charging Station": 66, "Count Ev Parking": 77, "Count Bicycle Parking": 88, "CA Percentage": 99, "Irrigation": true, "Status": "active", "Deleted": false })



PUT

End Point *

https://www.demo.com/building

Interval Type API *

Minute

Interval (Minute) *

30

API Type *

None

Authorization Type *

None

Sample Payload

```
{ "Location ID": "", "Location Type": "property", "Client Property ID": "P001", "Third Party ID": "P0008E", "Property Name": "Test Property", "Property Description": "demo test property", "Address": "Dhaka", "City": "Gulshan", "Province State": "Dhaka", "Country": "" }
```

Response Type

☒ JSON ☐ XML

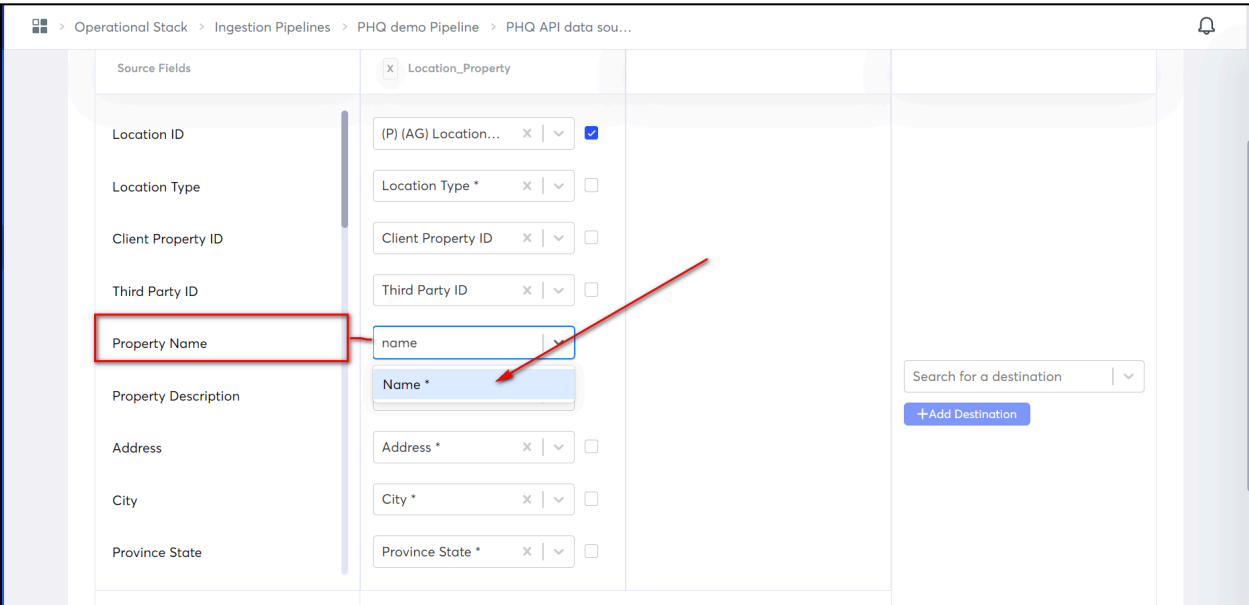
Update

6. Click on the Update button

Updating Data Source Mapping:

If the data source mapping needs to be updated, follow the steps below:

1. Click the three-dot icon in the action column.
2. Select the "Data Mapping" option.
3. This will redirect to the Data Mapping page.
4. Search for the module in the "Add Destination" search box (e.g., Location_Property).
5. Add the destination table.
6. Map the source column with the destination column.



Source Fields

Location ID

Location Type

Client Property ID

Third Party ID

Property Name

Property Description

Address

City

Province State

Location Property

(P) (AG) Location...

Location Type *

Client Property ID

Third Party ID

name

Name *

Address *

City *

Province State *

Search for a destination

+Add Destination

7. After mapping, click on the "Save & Publish" button.

Data source Publish or Unpublish:

Description: To **publish** a data source, the data source mapping must be completed first. Without this mapping, publishing is not allowed, as it is a necessary precondition. Once the data mapping is successfully done and published, the data source can be easily published.

If a data source is already published but needs to be taken unpublish or modified, it can be **unpublished**. Unpublishing a data source allows for changes or updates to the source or mapping before it is published again.

Steps to Publish the Data Source:

1. Go to the **Data Source** page.
2. Click the three-dot icon in the action column for the relevant data source.
3. Select the **Publish** option to make the data source available.

Steps to Unpublish the Data Source:

1. Go to the **Data Source** page.
2. Click the three-dot icon in the action column for the relevant data source.
3. Select the **Unpublish** option to take the data source offline.

Sample Excel Download:

Description: The user can download a sample Excel file using follow the instruction. The instructions are given below.

Steps:

- Go to the Data Source page.
- Click on the three dots on the right side of the field.
- Users can upload an Excel only when the source is in '**Published**' state. If the data source is in the '**Unpublished**' state, then publish it by clicking on the option '**Published**'.
- Again, click on the three dots on the right side of the field.
- Click on the **Upload Excel** option.



- Go to the Upload Excel Files Page.
- Click on the **Download Sample Excel** button.



- An Excel file will be downloaded successfully.

Upload/Import Excel Data:

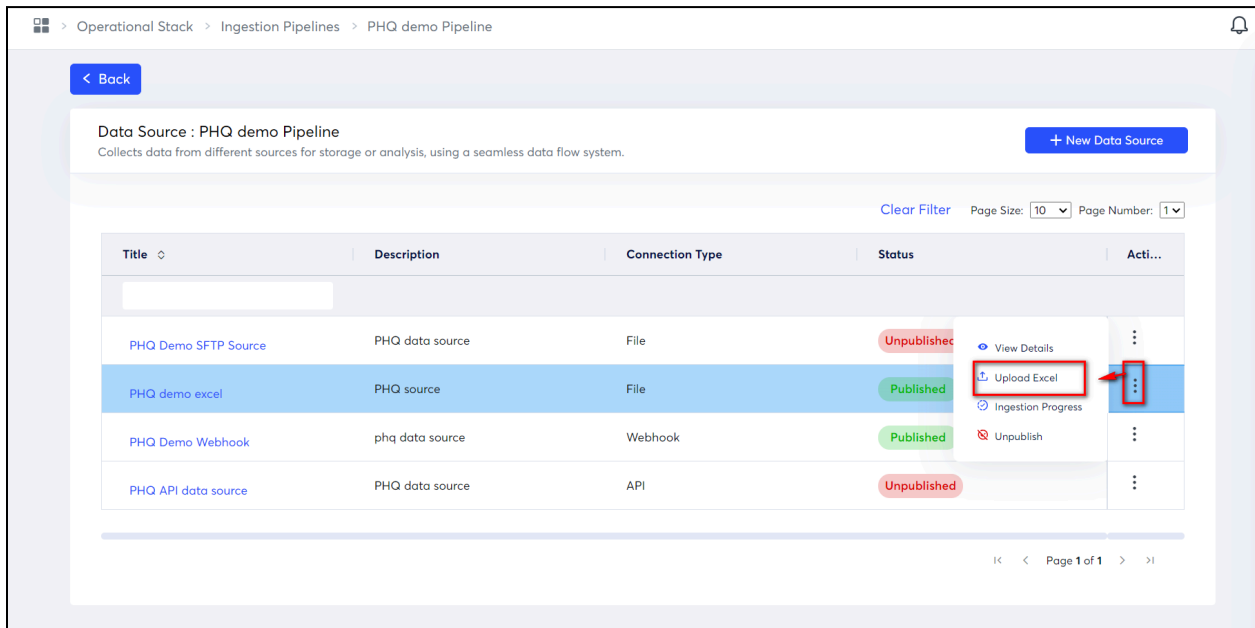
Description: The Upload/Import Excel Data feature enables seamless integration of data from Excel files into the system, supporting the efficient import of large datasets. It ensures accurate data mapping and validation, allowing for reliable data processing. Users can upload files up to a maximum size of 10MB, and the application correctly imports data in the .xlsx file format.

Key Features:

- Support for files up to 10MB in size.
- Automatic data validation to ensure correctness.
- Efficient mapping of Excel columns to system fields.
- Reliable import for .xlsx files.

Steps:

- Go to the Data Source page.
- Click on the three dots from the action column.
- Users can upload an excel only when the source is in '**Published**' state. If the data source is in '**Unpublished**' state, then publish it by clicking on the option '**Published**'.
- Again, click on the three dots on the right side of the field.
- Click on the **Upload Excel** option.



The screenshot shows the 'Data Source : PHQ demo Pipeline' page. It features a table with columns: Title, Description, Connection Type, Status, and Action. The table lists four data sources: 'PHQ Demo SFTP Source' (Unpublished), 'PHQ demo excel' (Published), 'PHQ Demo Webhook' (Published), and 'PHQ API data source' (Unpublished). The 'PHQ demo excel' row is highlighted in blue. A red box highlights the 'Upload Excel' option in the action menu for this source. The page also includes a 'Back' button, a 'New Data Source' button, and pagination controls.

Title	Description	Connection Type	Status	Action
PHQ Demo SFTP Source	PHQ data source	File	Unpublished	View Details
PHQ demo excel	PHQ source	File	Published	Upload Excel
PHQ Demo Webhook	phq data source	Webhook	Published	Unpublish
PHQ API data source	PHQ data source	API	Unpublished	

- Go to the **Upload Excel Files** page.
- Click on the file upload area to select and upload a file, or drag and drop an Excel file into the upload field.
- Click the **Review** button.

Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > PHQ demo excel

Upload : PHQ demo excel
Upload an excel.

[Download Sample Excel](#)

Upload Excel *

Choose a file or drag it here

[Click here to view the supported file types](#)

Location Property (1).xlsx

Review

- After clicking **Review**, a preview of the Excel data will appear, showing the first 10 rows of the data.

Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > PHQ demo excel

Choose a file or drag it here

[Click here to view the supported file types](#)

Location Property (1).xlsx

Location ID	Location Type	Client Property...	Third Party ID	Name	Description	Address
	Retail	2001	TP1001	Maple Mall	Large shopping mall	123 Maple St
	Office	2002	TP1002	Tech Tower	Corporate office spa	456 King St
	Warehouse	2003	TP1003	LogiCenter	Distribution hub	789 Industrial Rd
	Residential	2004	TP1004	Maple Residences	High-rise apartment	101 Residence Rd
	Hotel	2005	TP1005	Lakeview Hotel	Luxury hotel	202 Lakeview Blvd
	Retail	2006	TP1006	Granville Plaza	Downtown shopping	303 Granville St
	Office	2007	TP1007	Bay Corporate Centi	Business office tower	789 Bay St
	Warehouse	2008	TP1008	Eastside Distribution	Logistics center	456 Industry Dr

- Click the **Import** button to complete the data upload.

Operational Stack > Ingestion Pipelines > PHQ demo Pipeline > PHQ demo excel

Ingestion Pipelines	2002	TP1002	Tech Tower	Corporate office spa	456 King St
Warehouse	2003	TP1003	LogiCenter	Distribution hub	789 Industrial Rd
Residential	2004	TP1004	Maple Residences	High-rise apartment	101 Residence Rd
Hotel	2005	TP1005	Lakeview Hotel	Luxury hotel	202 Lakeview Blvd
Retail	2006	TP1006	Granville Plaza	Downtown shopping	303 Granville St
Office	2007	TP1007	Bay Corporate Centr	Business office tower	789 Bay St
Warehouse	2008	TP1008	Eastside Distribution	Logistics center	456 Industry Dr
Residential	2009	TP1009	Coastal Homes	Beachside apartmer	101 Beach St
Hotel	2010	TP1010	Mountain Resort	Luxury ski resort	404 Ski Hill Rd

Page 1 of 1

Import Excel

Data Ingestion Progress

To monitor the progress of data ingestion, follow these steps:

1. Go to the **Data Source** page.
2. Click the three-dot icon in the action column for the relevant data source.
3. Select the **Ingestion Progress** option.

Operational Stack > Ingestion Pipelines > PHQ demo Pipeline

< Back

Data Source : PHQ demo Pipeline
Collects data from different sources for storage or analysis, using a seamless data flow system.

+ New Data Source

Clear Filter Page Size: 10 Page Number: 1

Title	Description	Connection Type	Status	Acti...
PHQ Demo SFTP Source	PHQ data source	File	Unpublished	View Details
PHQ demo excel	PHQ source	File	Published	Upload Excel
PHQ Demo Webhook	phq data source	Webhook	Published	Ingestion Progress
PHQ API data source	PHQ data source	API	Unpublished	Unpublish

Page 1 of 1

4. The page will redirect to the **Ingestion Progress** page.
5. Observe the current progress status of the data ingestion.

AP

DV

D

DM

OS

TF

WV

< Back

Upload Progress : PHQ demo excel

Monitoring and tracking data ingestion progress for the selected data ingestion pipeline source.

Clear Filter

Page Size: 10

Page Number: 1

Workb...	Title	Date	Pipeline Ti...	Source Title	Progress	Status	Saved Data
	PHQ demo excel	Oct 5, 2024 7:31 AM	PHQ demo Pipe	PHQ demo excr	100%	Completed	12

<

>

Page 1 of 1

Download Sample Excel File

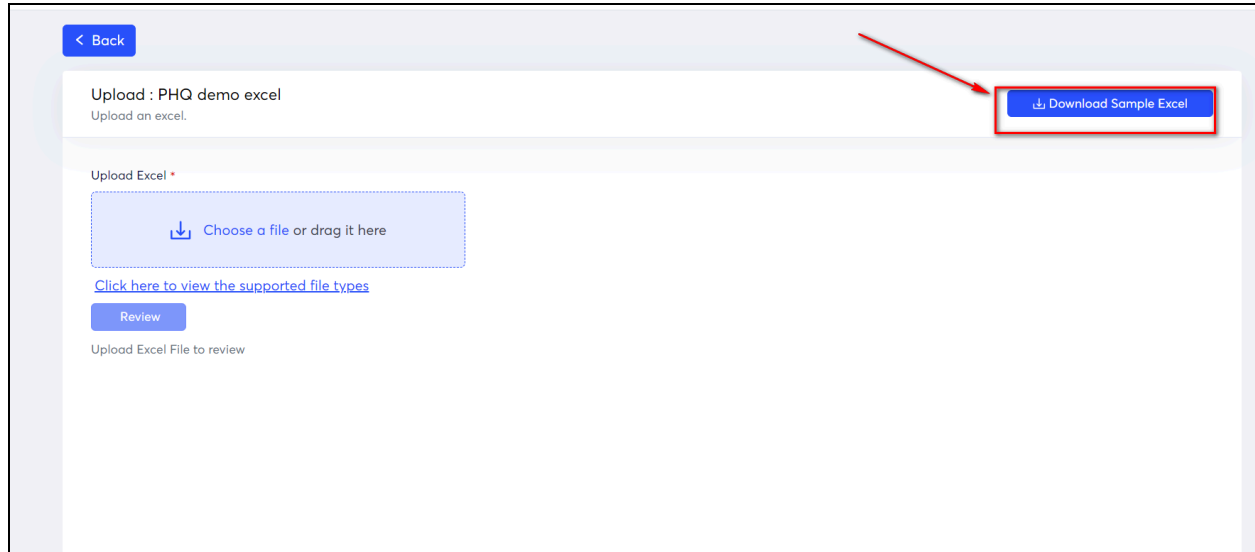
Description: The **Download Sample Excel File** feature provides a template that is specifically tailored to the data source's previously configured setup. This sample file contains the necessary fields and formatting required for data ingestion, ensuring that users can easily prepare their data for upload without encountering formatting issues or errors. By using this sample, users can streamline the data preparation process and ensure compatibility with the system's requirements.

Steps to Download the Sample Excel File:

1. Go to the **Data Source** page.
2. Click the three-dot icon in the action column for the relevant data source.
3. Select the **Upload Excel** option.
4. On the **Upload Excel File** page, locate the **Download Sample Excel** button on the right side.
5. Click the **Download Sample Excel** button.

After clicking, the sample Excel file will automatically download, tailored to the previously configured setup of the selected data source.

49

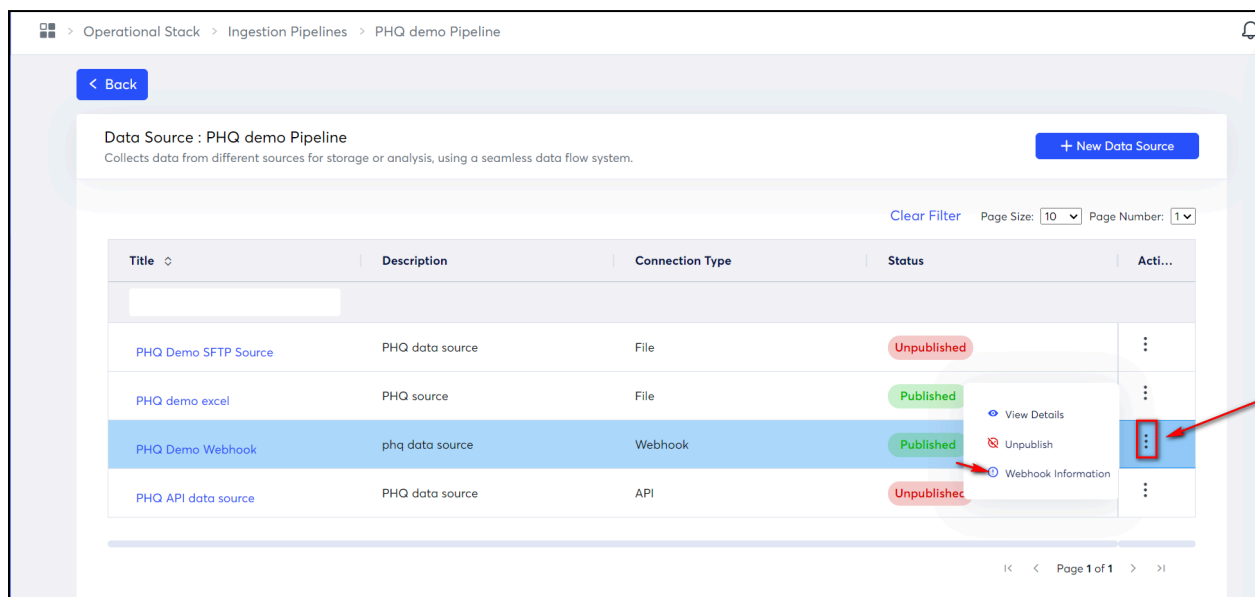


-Webhook Information

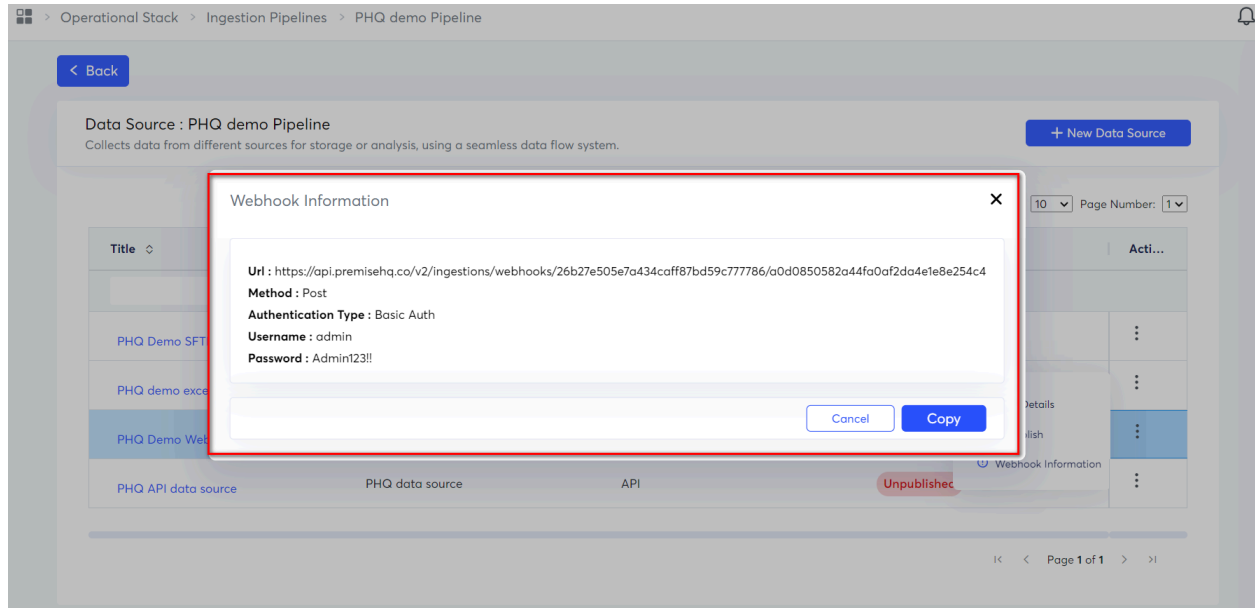
Description: The **Webhook Information** feature allows users to collect essential details for ingesting data via the Webhook source. This information is crucial for setting up automated data transfers directly into the system, simplifying real-time data ingestion from external services.

Steps:

1. Go to the **Data Source** page.
2. Click the three-dot icon in the action column for the relevant data source.
3. Select the **Webhook Information** option.



4. After clicking, a modal will appear containing the Webhook details.

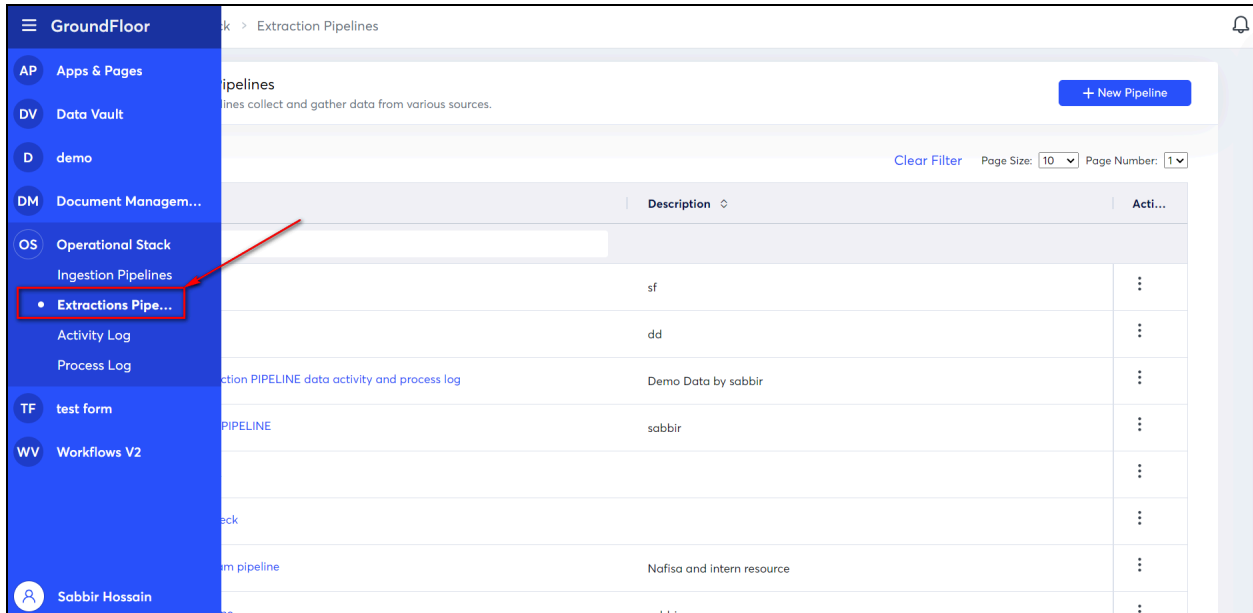


5. Users can collect the necessary Webhook URL and other relevant information from this modal.

Data Extraction:

Getting Started:

- Go to the **Operational Stack** application
- Select the **Extraction Pipelines** menu



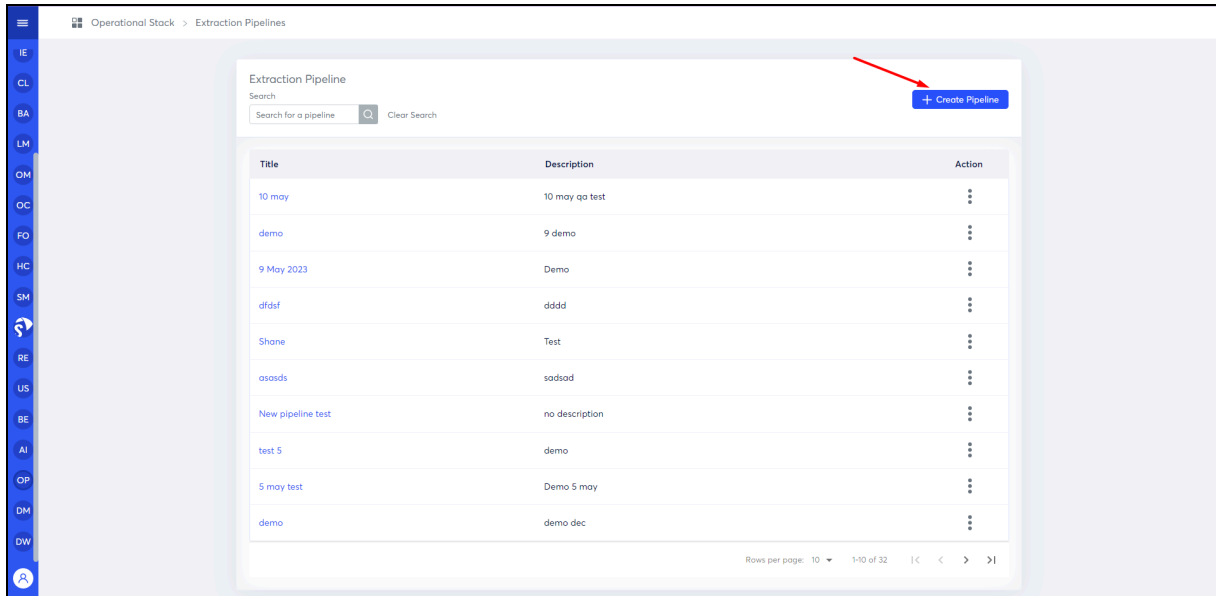
- After clicking the menu, the page will redirect to the Extraction Pipeline list page.

Create Pipeline:

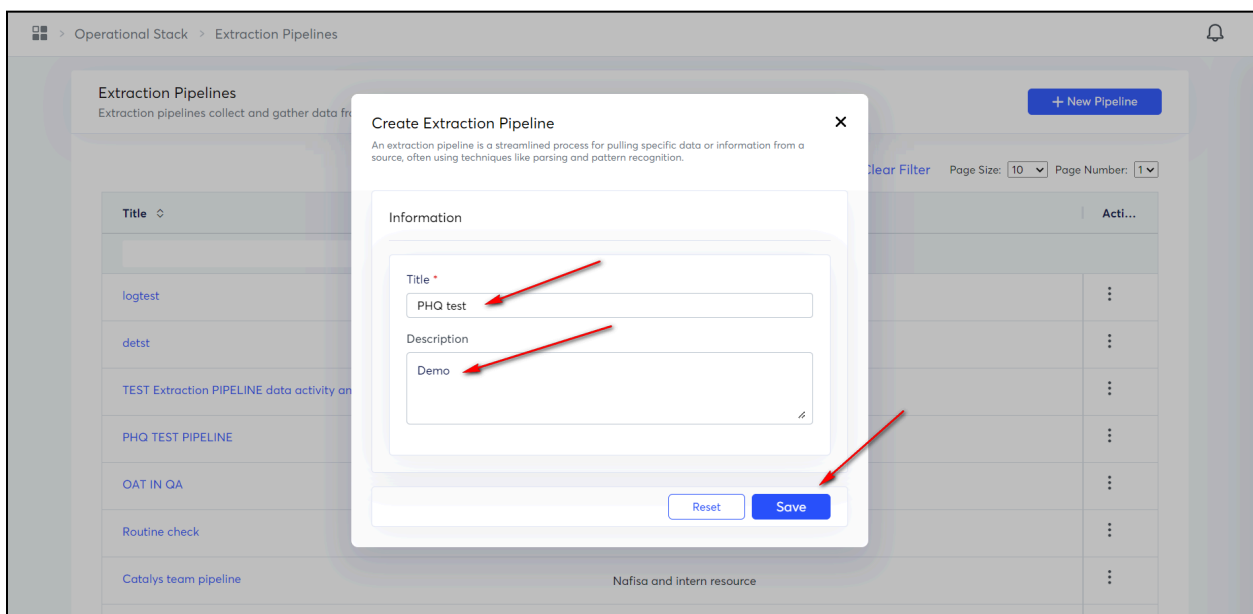
Description: Using this functionality, users can create a pipeline. The "Create Pipeline" functionality empowers users to effortlessly generate new pipelines within the Data Extraction system. By clicking the designated "+ Create Pipeline" button, users can input essential details such as the pipeline title (limited to 50 characters) and a descriptive pipeline summary. Once the required information is provided, users can save the pipeline configuration with a single click on the "Save" button. This straightforward process enables users to efficiently establish pipelines, fostering a seamless experience in initiating and managing data extraction workflows within the system.

Steps:

- Click the "+ Create Pipeline" button.



- After clicking the button, a modal will appear.
- Enter the pipeline title (limited to 50 characters, e.g.: PHQ test).
- Enter the pipeline description (e.g., Demo).
- Click the **Save** button.



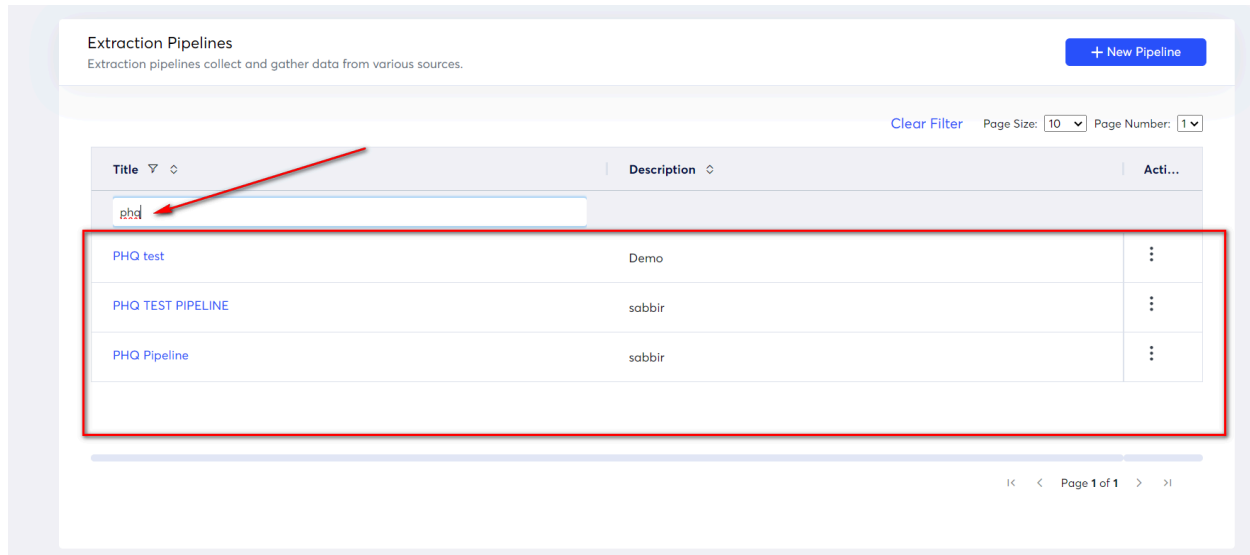
Search Pipeline:

Description: The "Search Pipeline" feature simplifies the process of finding specific pipelines effortlessly. Users can quickly locate a pipeline by entering its name in the search field and initiating the search with a simple click on the search icon button. This user-friendly functionality streamlines the retrieval of

pipelines, ensuring ease of use and swift access to the desired information within the Data Extraction Pipeline system.

Steps:

- Go to the **Pipeline List** in the table.
- Enter the pipeline title in the search field (e.g., "demo").
- As the pipeline name is entered, the relevant pipeline will appear in the list.

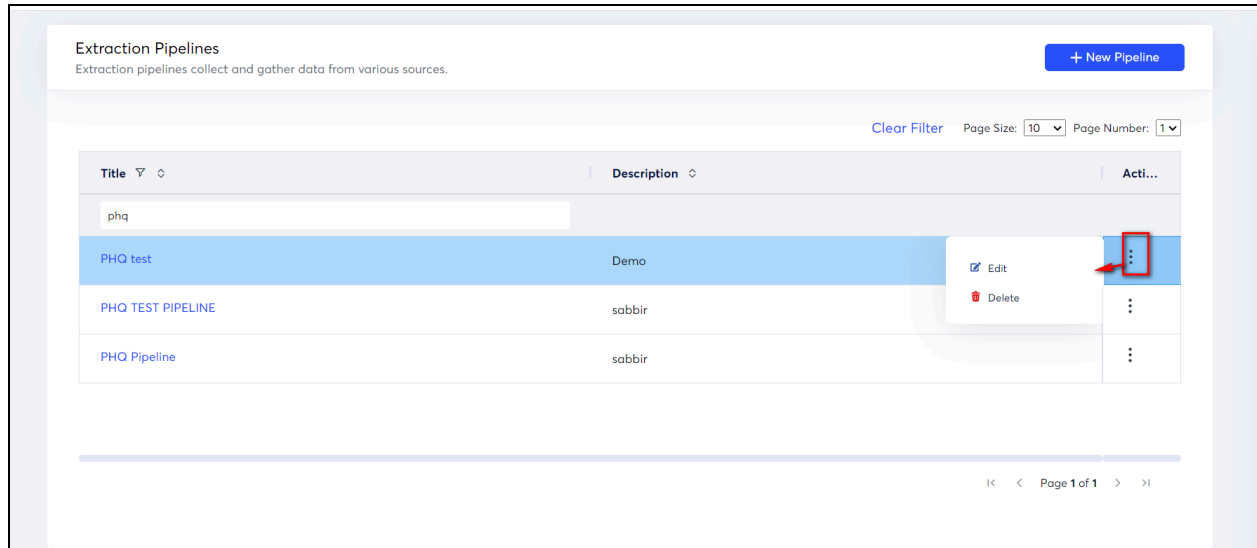


Edit Pipeline

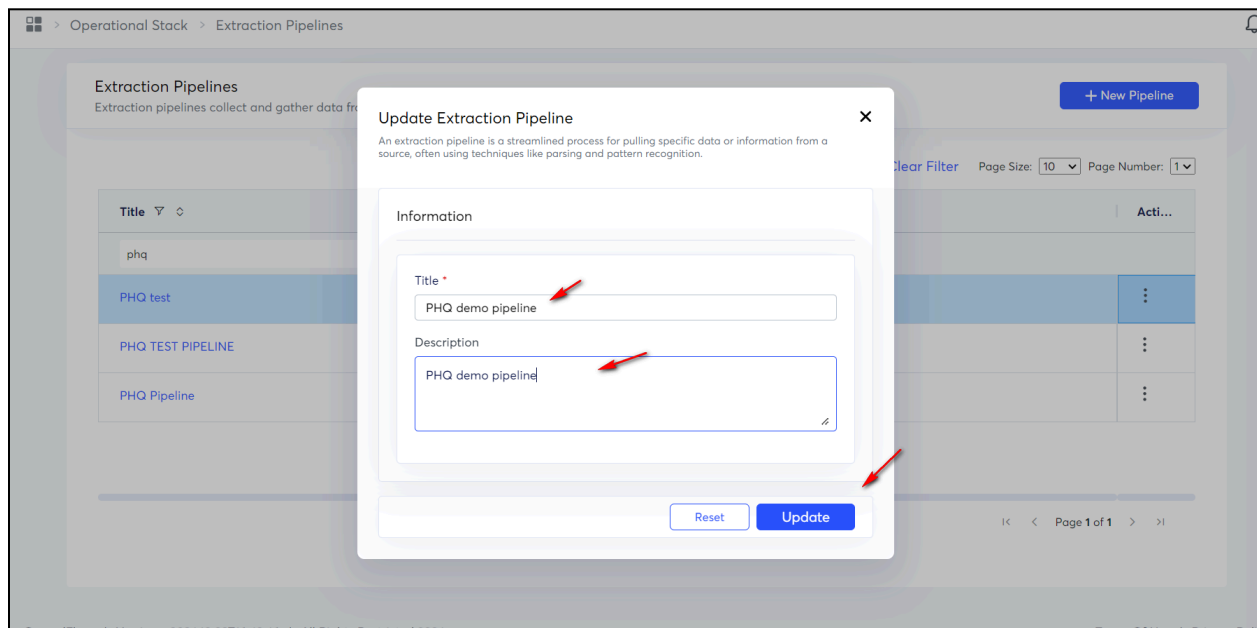
Description: The **Edit Pipeline** functionality allows users to modify existing pipeline details within the Data Extraction system. This feature offers flexibility in updating pipeline titles and descriptions, enabling users to adjust pipeline information as needed to suit evolving data extraction workflows.

Steps:

1. Go to the **Extraction Pipelines** page.
2. Click on the **Action** icon (three dots) on the right side of the table for the pipeline to be edited.
3. Select the **Edit** option.



4. A modal will open displaying the current pipeline data.
5. Update the **Pipeline Title** (e.g., "PHQ demo pipeline").
6. Update the **Pipeline Description** (e.g., "PHQ demo pipeline").
7. Click the **Update** button to save the changes.



Delete Pipeline:

Description: The "Delete Pipeline" functionality empowers users to remove pipelines from the Data Extraction system when needed. This feature ensures efficient management by allowing users to

declutter the system from pipelines no longer required, maintaining a streamlined and organized data extraction environment.

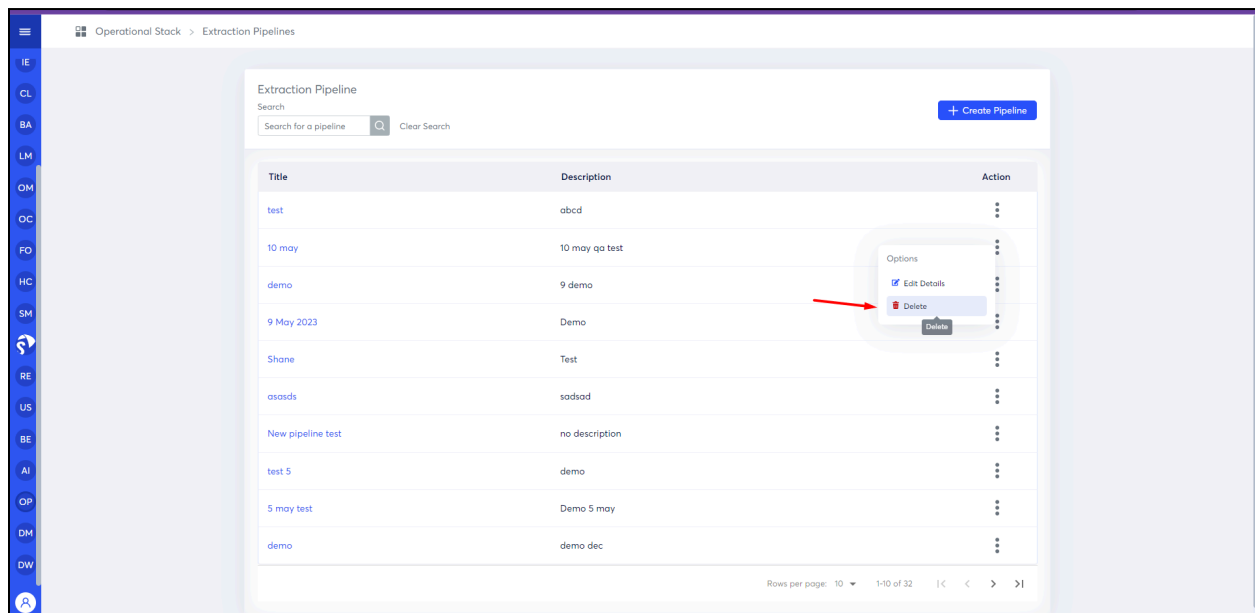
There are two different scenarios available to delete a pipeline.

1. If there is no published destination available for a pipeline.
2. If there is any published destination available for a pipeline.

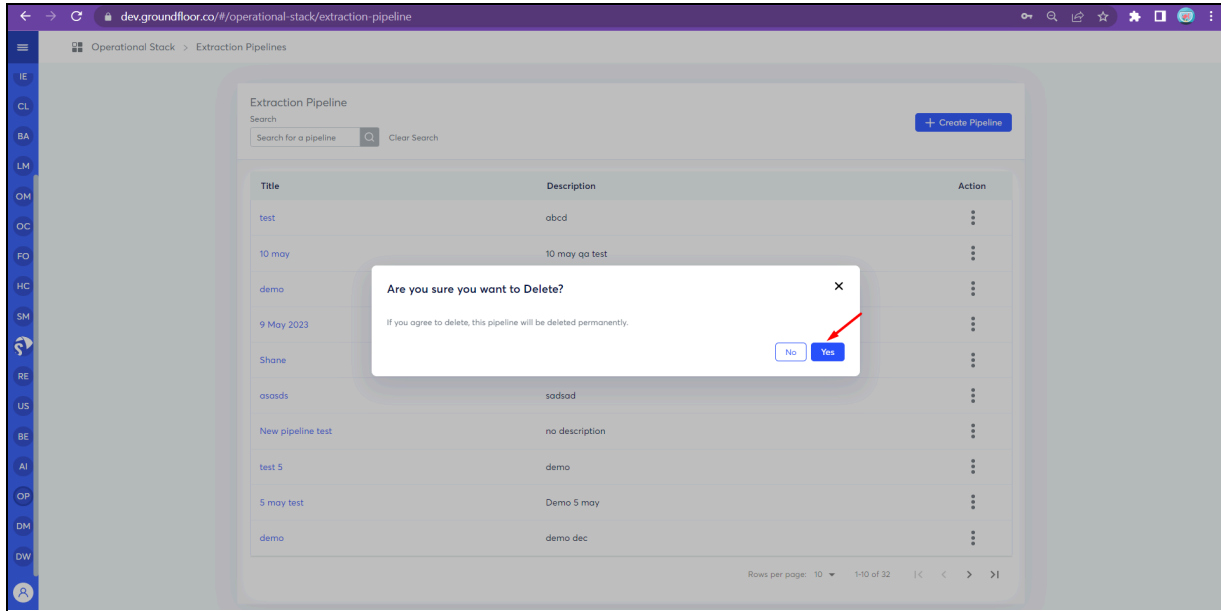
Delete a pipeline that has no published destinations:

Steps:

- Go to the Extraction Pipelines page.
- Click on the Action menu (three dots menu) on the right side of the field.
- Click the **Delete** option.



- Click on **Yes** to delete the pipeline.

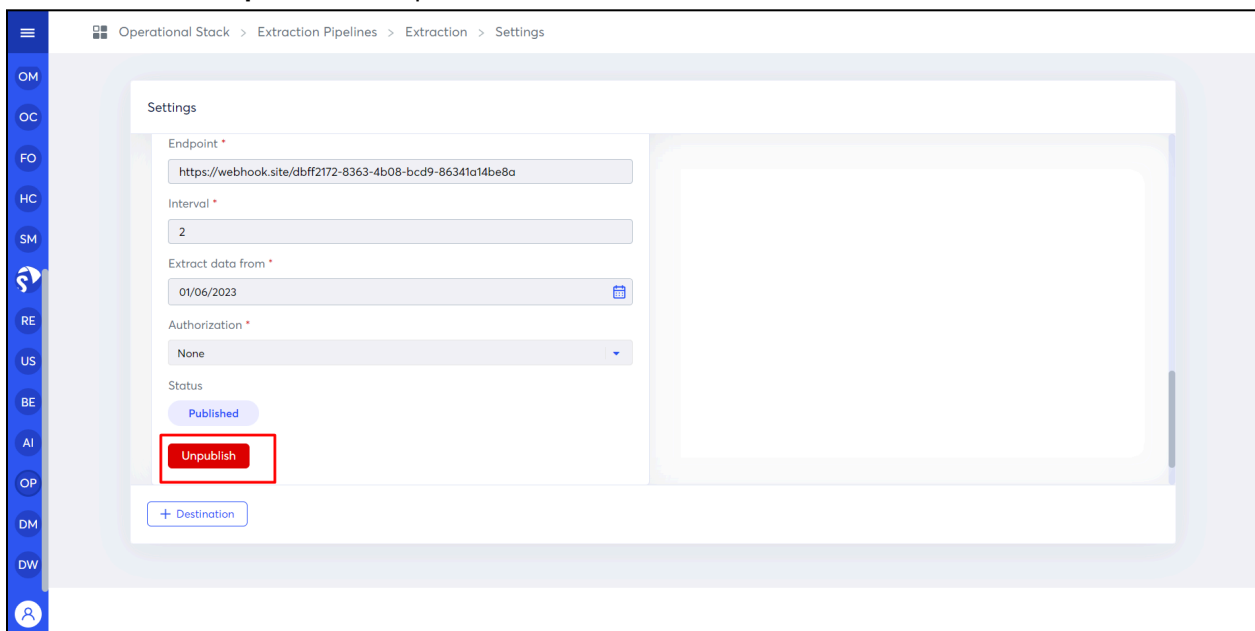


- The pipeline will be deleted successfully if there is no published extraction under it.

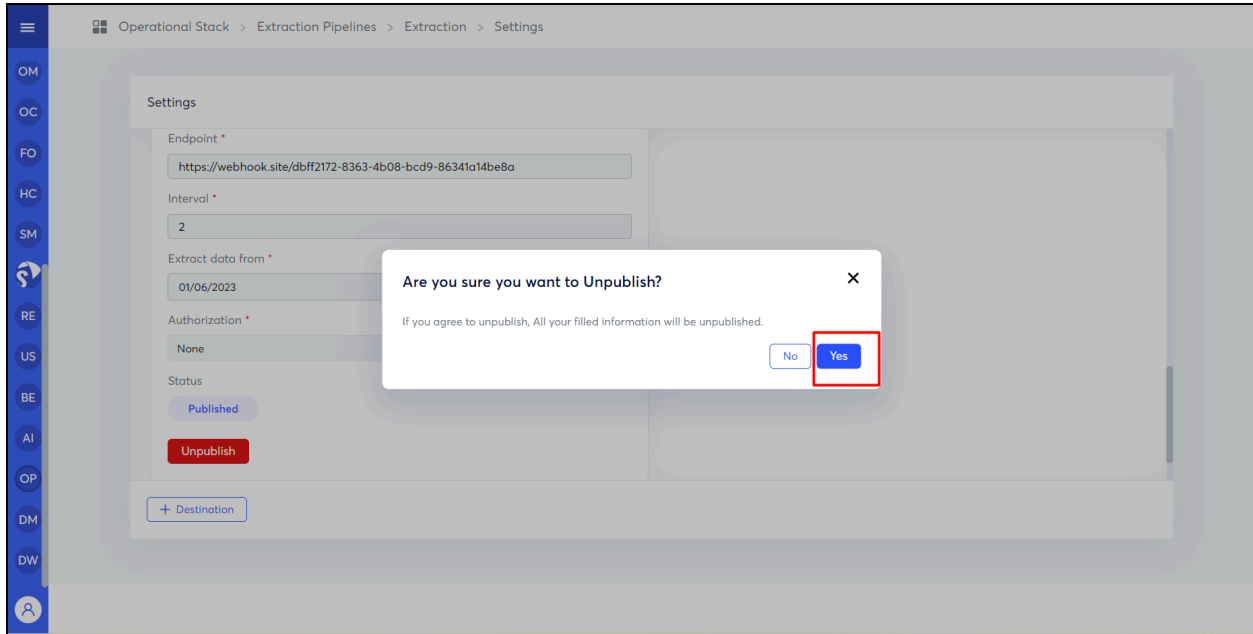
Delete a pipeline that has a published destination available:

Steps:

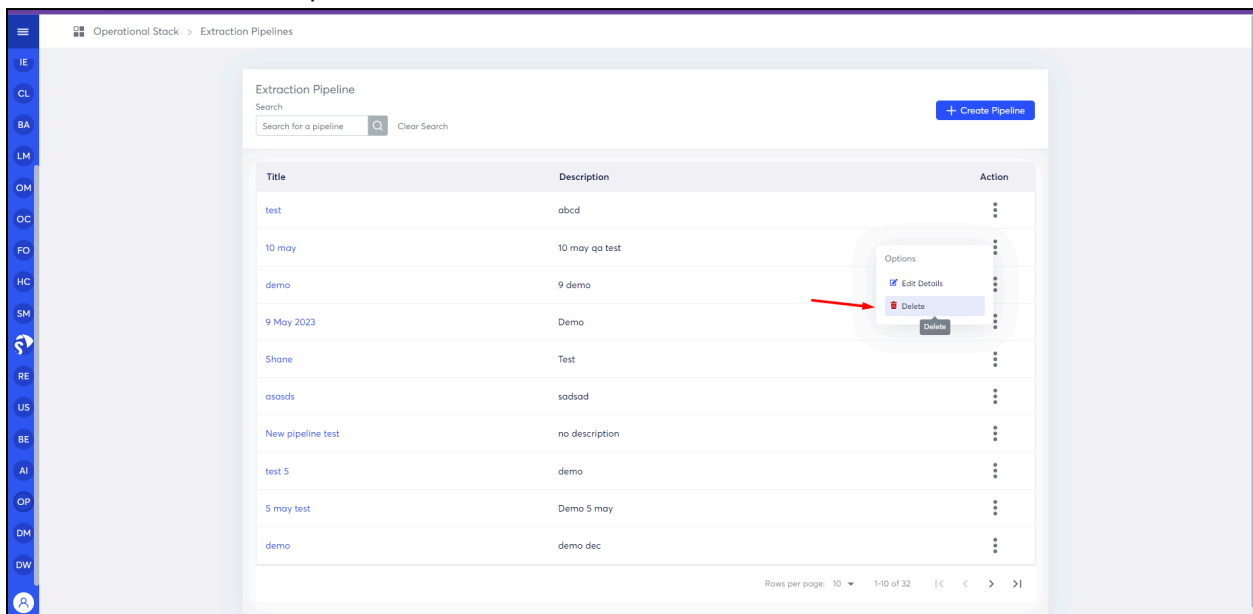
- Go to the Extraction Pipelines page.
- Click on the pipeline.
- Go to the extraction page.
- Click on the Action menu (three dots menu) and go to Settings.
- Click on **"Unpublish"** to unpublish the Destination.



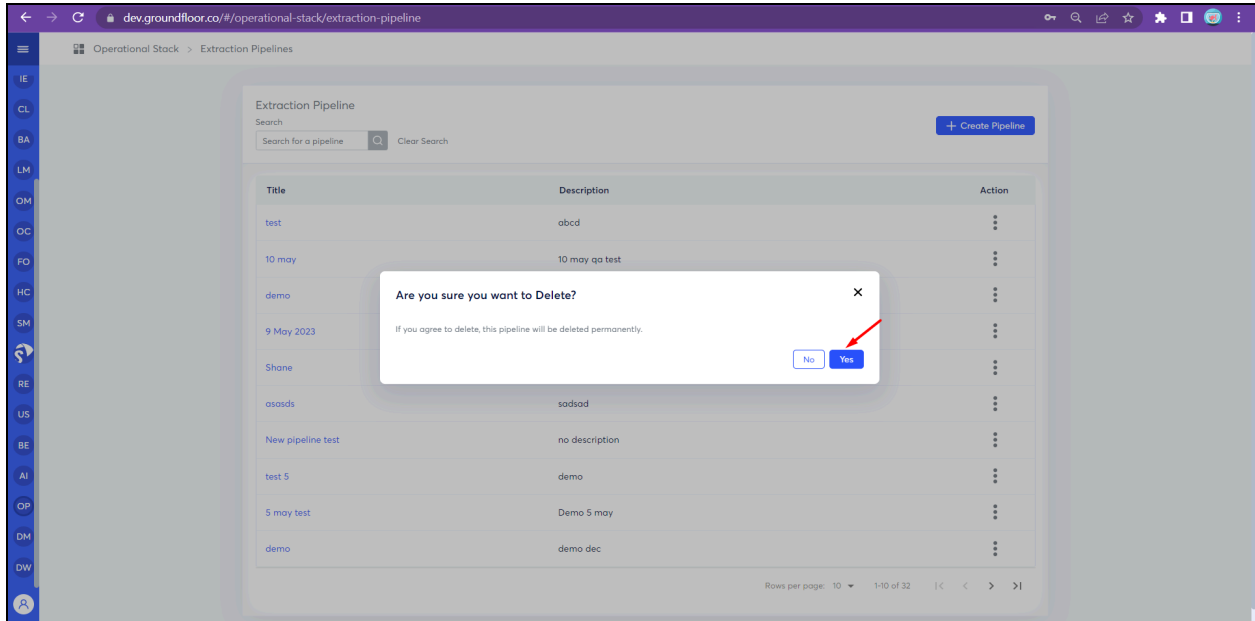
- Click on the **"Yes"** button to unpublish the destination.



- Now go back to the Extraction List page.
- Go to the Extraction Pipelines page.
- Click on the Action menu (three dots menu) on the right side of the field.
- Click the **Delete** option.



- Click on **Yes** to delete the pipeline.



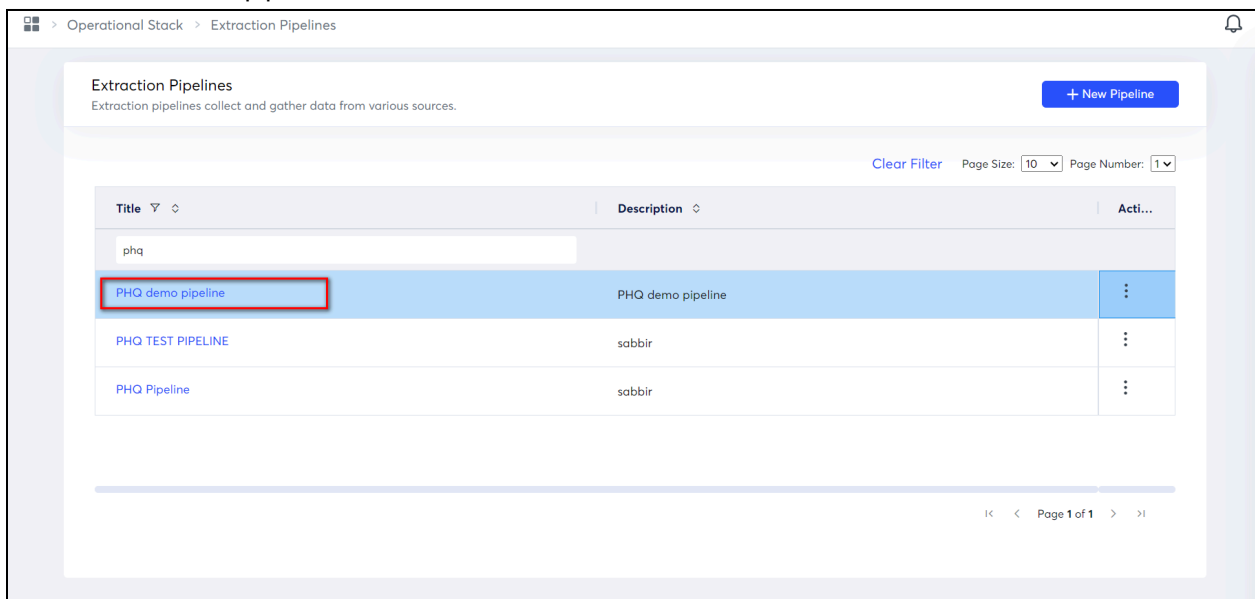
- The pipeline will be deleted successfully.

Create Extraction:

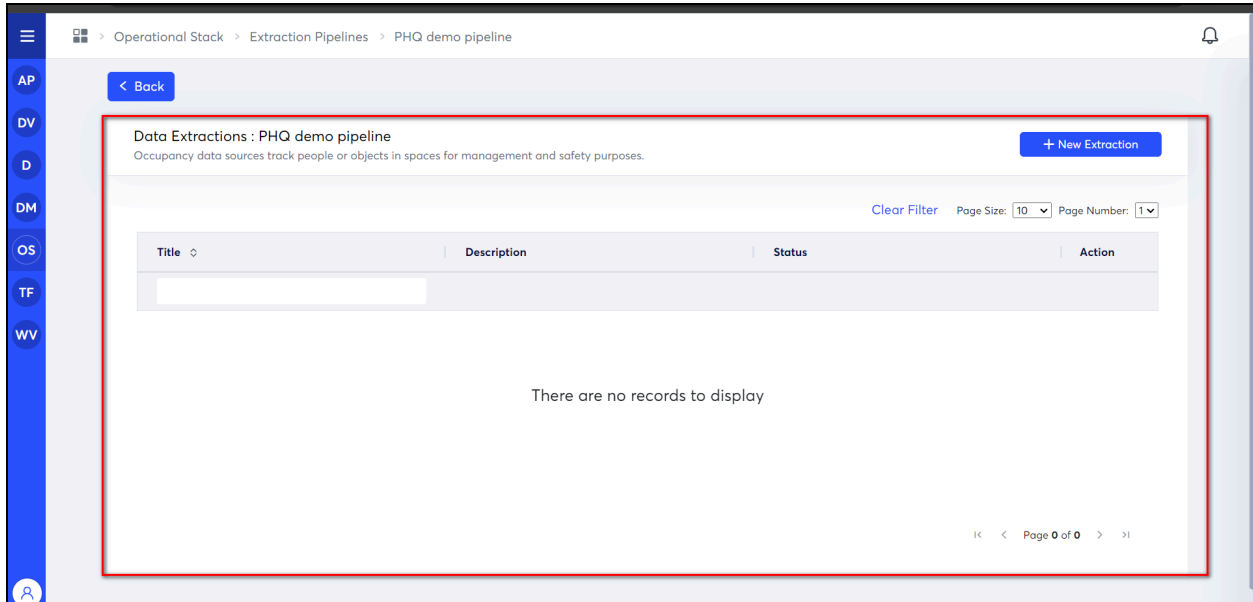
Description: The "Create Extraction" functionality empowers users to efficiently establish new extraction processes within the Data Extraction system.

Steps:

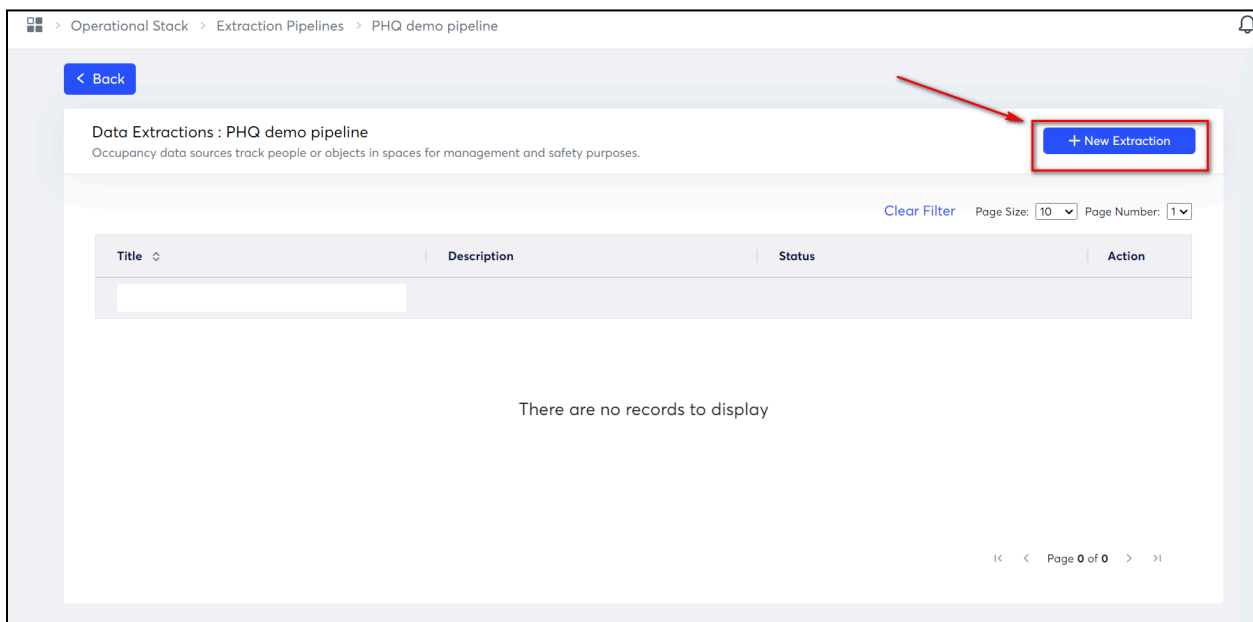
- Click on the pipeline name



- After clicking the name, the page will redirect to the extraction list page



- Click the “+ Create Extraction” button.



- The page will redirect to the Create Extraction page
- Click on the Edit icon beside the Title and enter the Extraction Title. (e.g., PHQ Property table Data Extraction)
- Click on the Edit icon beside the Description and enter the Extraction Description. (e.g., PHQ Property table Data Extraction)
- Click the Edit icon next to the Owner Email field and enter the email address (e.g., codemen.sabbir@gmail.com). Note that this field does not support multiple email addresses.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > Create Extraction

[< Back](#)

Data Mapping

Data mapping is the process of linking and transforming data from one format to another.

Title *

PHQ Property table Data Extraction

Description

PHQ Property table Data Extraction

Owner Email

codemen.sabbir@gmail.com

Destination Table Name : phq_property_table_data_extraction

Source Tables	Source Name	Output
Select a Table		

[+ Add Source Table](#)

- When entering the extraction title, the Destination Table Name field will automatically populate with that title. Users can modify the table name according to their preferences.
- Select the source table for extraction mapping.
- Search a table (e.g.: Location_Property)

Description

PHQ Property table Data Extraction

Owner Email

codemen.sabbir@gmail.com

Destination Table Name : phq_property_table_data_extraction

Source Tables	Source Name	Output
Location_Property		
Location_Property (MDM)		

- After selecting the table name, the table column names will appear in the Source Name column.

Description : PHQ Property table Data Extraction [🔗](#)

Owner Email : codemen.sabbir@gmail.com [🔗](#)

Destination Table Name : phq_property_table_data_extraction_ [🔗](#)

Source Tables

Select a Table | ▾

+ Add Source Table

X Location_Property

Location_Property [Add All](#)

Location_Property.Location ID +

Location_Property.Location ID +

Location_Property.Client Pr... +

Location_Property.Third Pa... +

Location_Property.Name +

Location_Property.Descript... +

Location_Property.Address +

Location_Property.City +

Location_Property.Province +

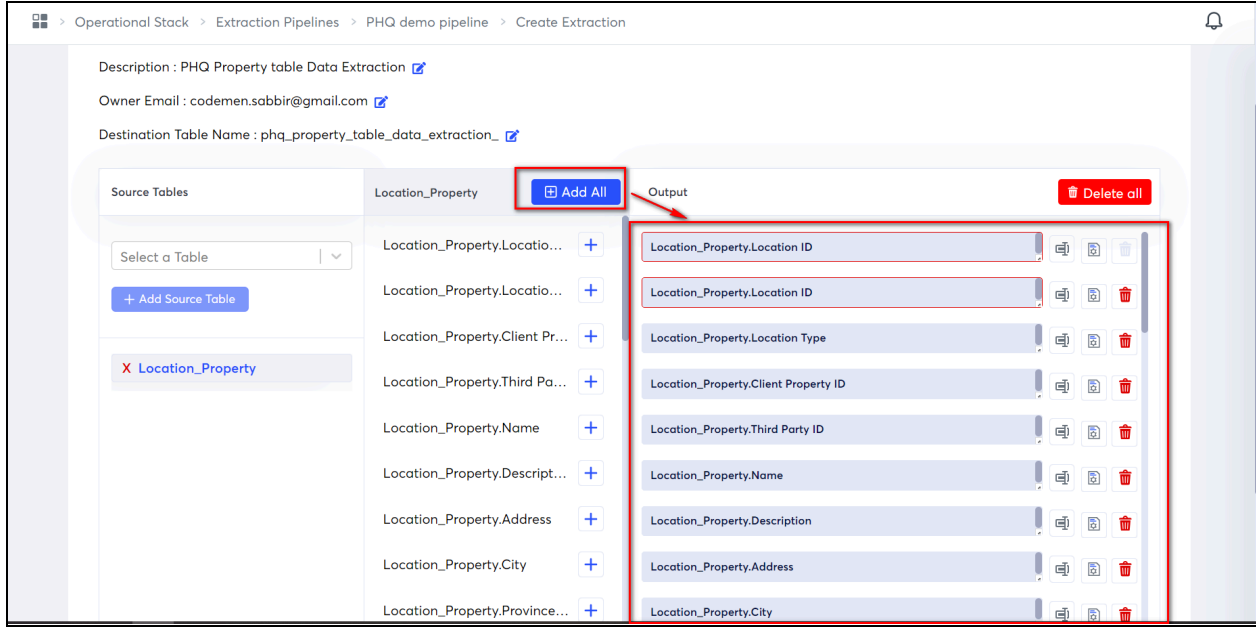
Output [Delete all](#)

Location_Property.Location ID

Users have the option to add all columns to the output section at once or individually, one by one. When columns are added to the output section, they will appear as part of the extraction table.

To add all columns at once:

1. Click the "Add Column" button.
2. All columns will automatically be added to the output section.
3. The primary column is automatically set to the output column when the source table is added or selected.



Operational Stack > Extraction Pipelines > PHQ demo pipeline > Create Extraction

Description : PHQ Property table Data Extraction

Owner Email : codemen.sabbir@gmail.com

Destination Table Name : phq_property_table_data_extraction_

Source Tables

Select a Table

+ Add Source Table

X Location_Property

Location_Property

+ Add All

Output

Delete all

Location_Property.Location ID

Location_Property.Location ID

Location_Property.Location Type

Location_Property.Client Property ID

Location_Property.Third Party ID

Location_Property.Name

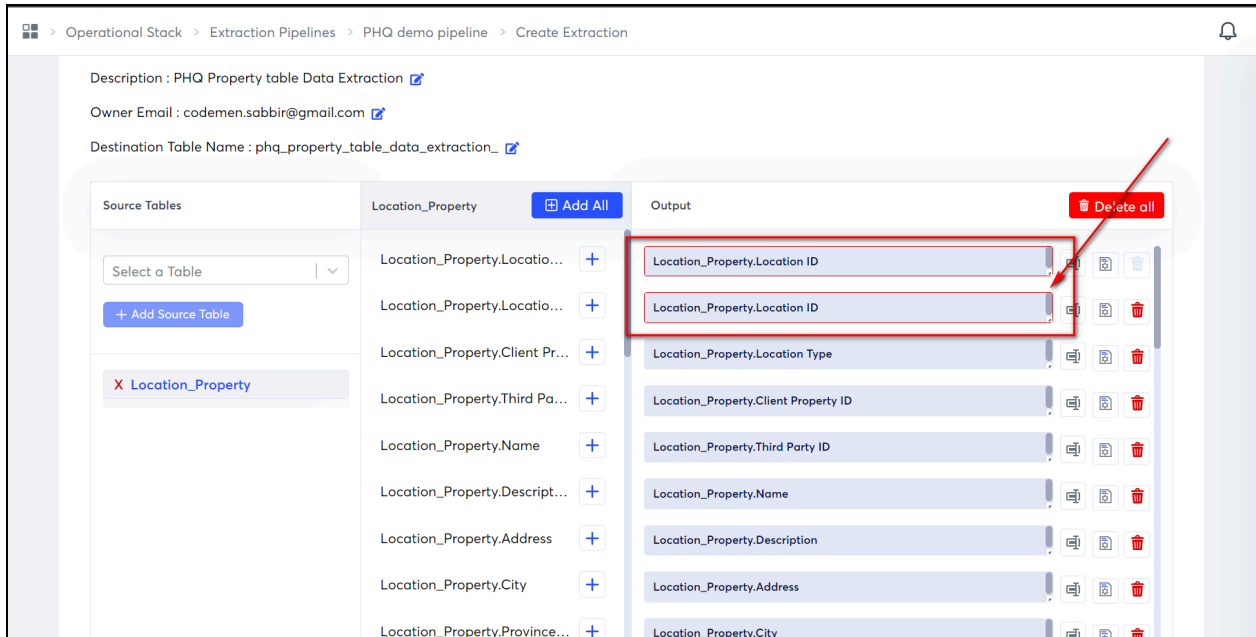
Location_Property.Description

Location_Property.Address

Location_Property.City

Location_Property.Province...

Note: Duplicate column names are not allowed when adding multiple columns. If a column with the same name is added more than once, the field will display a red border around the input box to indicate the issue.



Operational Stack > Extraction Pipelines > PHQ demo pipeline > Create Extraction

Description : PHQ Property table Data Extraction

Owner Email : codemen.sabbir@gmail.com

Destination Table Name : phq_property_table_data_extraction_

Source Tables

Select a Table

+ Add Source Table

X Location_Property

Location_Property

+ Add All

Output

Delete all

Location_Property.Location ID

Location_Property.Location ID

Location_Property.Location Type

Location_Property.Client Property ID

Location_Property.Third Party ID

Location_Property.Name

Location_Property.Description

Location_Property.Address

Location_Property.City

Location_Property.Province...

To add columns individually:

1. Click the (+) button next to the column name.
2. Repeat this process to add more columns to the output section.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > Create Extraction

Description : PHQ Property table Data Extraction [🔗](#)

Owner Email : codemen.sabbir@gmail.com [🔗](#)

Destination Table Name : phq_property_table_data_extraction_ [🔗](#)

Source Tables	Location_Property	Output
Select a Table v + Add Source Table X Location_Property	Location_Property.Location ID +	Location_Property.Location ID
	Location_Property.Location ID +	Location_Property.Client Property ID
	Location_Property.Client Property ID +	Location_Property.Third Party ID
	Location_Property.Third Party ID +	Location_Property.Name
	Location_Property.Name +	Location_Property.City
	Location_Property.Description +	Location_Property.Province State
	Location_Property.Address +	
	Location_Property.City +	

Red arrows indicate the mapping from source columns to output columns. Red boxes highlight the '+' icons in the source column list.

Update Extraction Column Name:

Users can rename or update column names as desired, but database keywords cannot be used as column names, as ArangoDB does not support them.

To update a column name:

1. Click the "Rename" icon on the right side of the column in the output section.
2. Enter the new column name in the input box.
3. Click the "Rename" icon again.
4. The column name will then be updated.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > Create Extraction

Description : PHQ Property table Data Extraction

Owner Email : codemen.sabbir@gmail.com

Destination Table Name : phq_property_table_data_extraction_

Source Tables

Select a Table

+ Add Source Table

X Location_Property

Location_Property

+ Add All

Location_Property.Location ID

Location_Property.Location ID

Location_Property.Client Pr...

Location_Property.Third Pa...

Location_Property.Name

Location_Property.Descript...

Location_Property.Address

Location_Property.City

Output

Delete all

Location_Property.Location ID

Location_Property.Client Property ID

Location_Property.Third Party ID

Location_Property.Property Name

Location_Property.City

Location_Property.Province State

Note: Table names are not editable and will remain non-editable by default.

To Delete All columns From the Output section:

Description: Users can remove all columns from the output section at once, except for the primary column, which remains in place during both the addition and removal of columns. However, the primary column will be removed if the source table is de-selected.

To remove all columns at once:

1. Click the "Delete All" button.
2. All columns will be automatically removed, except for the primary column.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > Create Extraction

Description : PHQ Property table Data Extraction

Owner Email : codemen.sabbir@gmail.com

Destination Table Name : phq_property_table_data_extraction_

Source Tables	Location_Property	Output
Select a Table + Add Source Table X Location_Property	Location_Property.Location ID	Location_Property.Location ID
	Location_Property.Location ID	Location_Property.Location ID
	Location_Property.Client Property ID	Location_Property.Location Type
	Location_Property.Third Party ID	Location_Property.Client Property ID
	Location_Property.Name	Location_Property.Third Party ID
	Location_Property.Description	Location_Property.Name
	Location_Property.Address	Location_Property.Description
	Location_Property.City	Location_Property.Address
	Location_Property.Province	Location_Property.City

Buttons: Delete all (top right), Delete all (bottom right)

To manually remove columns one by one:

1. Click the delete icon next to the column name.

Description : PHQ Property table Data Extraction

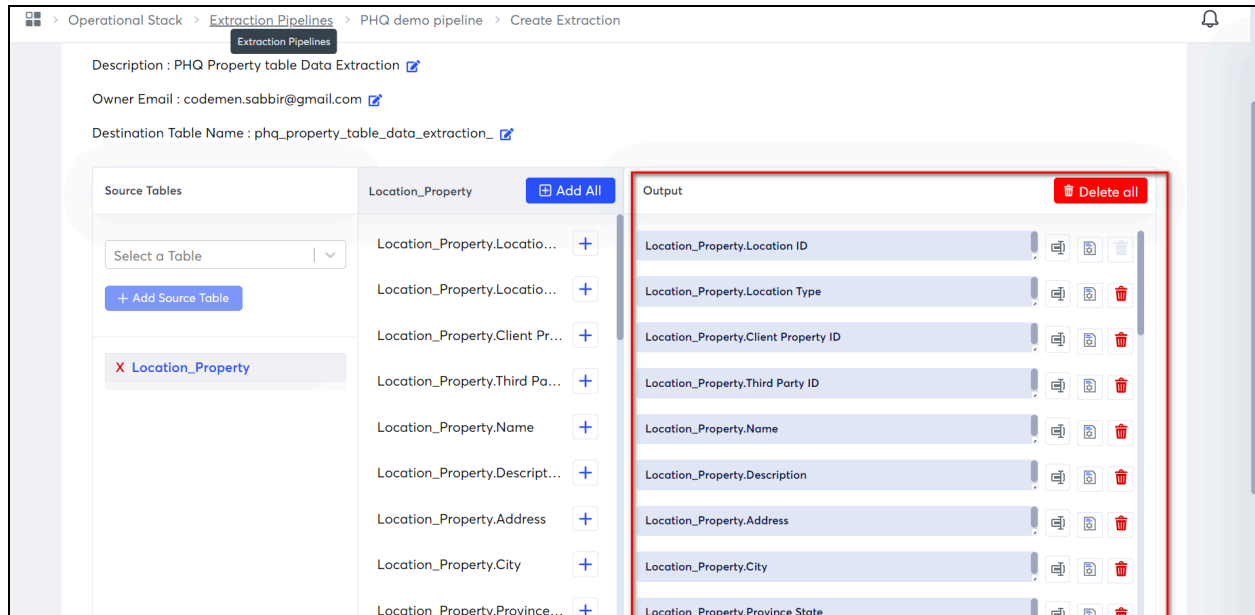
Owner Email : codemen.sabbir@gmail.com

Destination Table Name : phq_property_table_data_extraction_

Source Tables	Location_Property	Output
Select a Table + Add Source Table X Location_Property	Location_Property.Location ID	Location_Property.Location ID
	Location_Property.Location ID	Location_Property.Location ID
	Location_Property.Client Property ID	Location_Property.Location Type
	Location_Property.Third Party ID	Location_Property.Client Property ID
	Location_Property.Name	Location_Property.Third Party ID
	Location_Property.Description	Location_Property.Name
	Location_Property.Address	Location_Property.Description
	Location_Property.City	Location_Property.Address
	Location_Property.Province	Location_Property.City

Buttons: Delete all (top right), Delete (bottom right)

2. The column will be removed from the output section after clicking the icon.

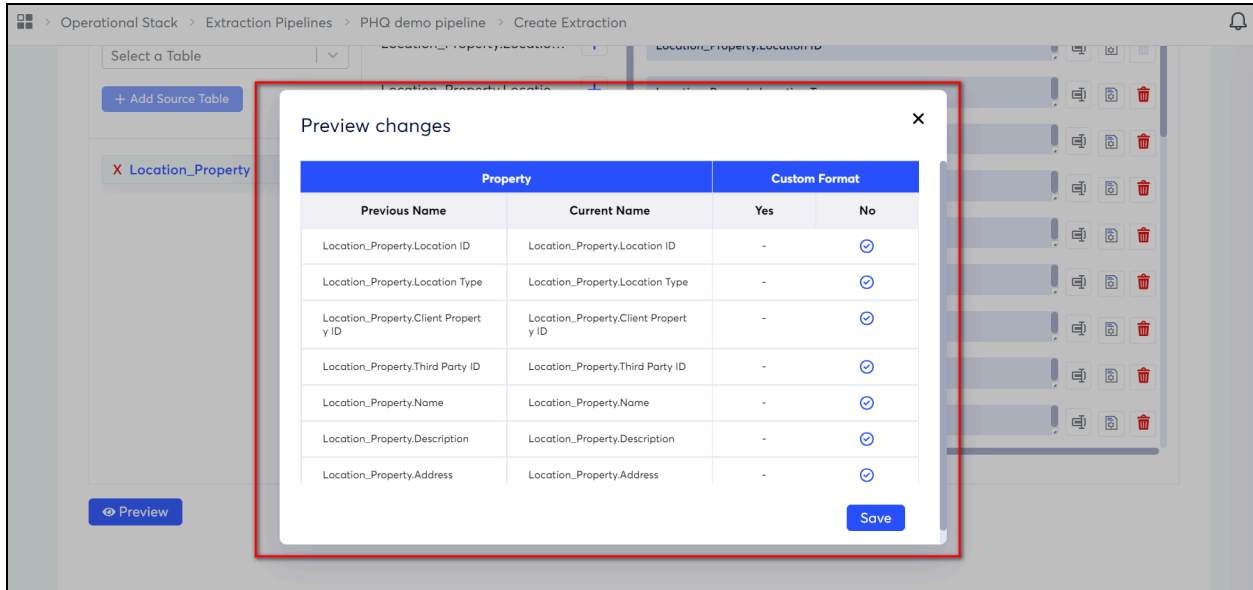


Save the Extraction Source:

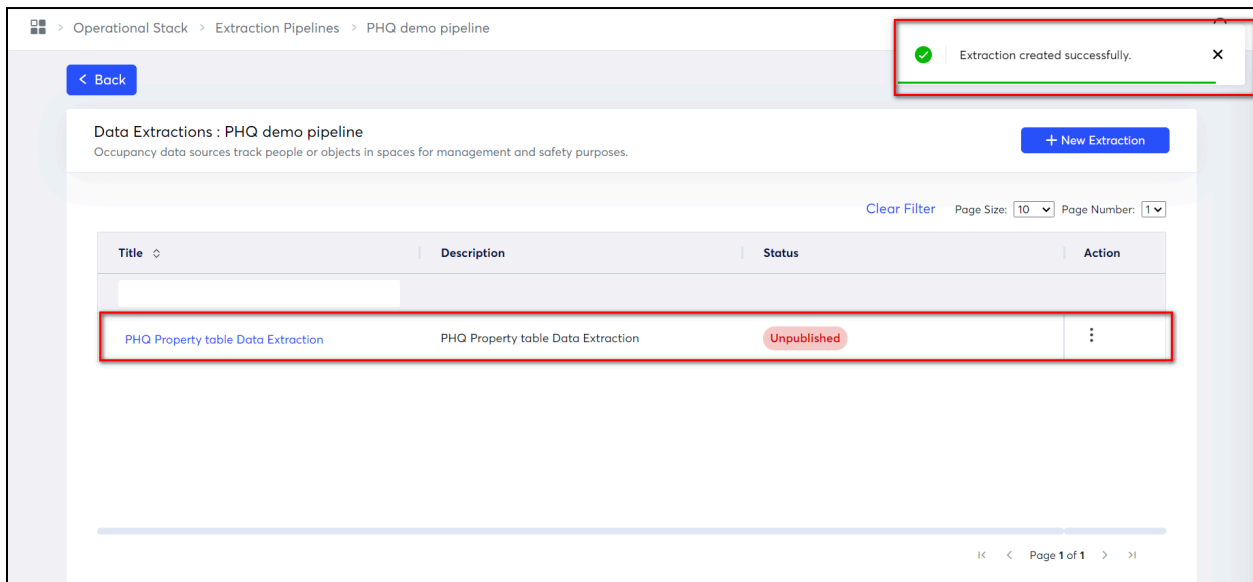
Description: This process allows users to finalize and store their data extraction configurations. Users can preview and confirm the selected columns before saving. If a column uses a reserved database keyword, an error message will prompt the user to rename it. Once resolved, the extraction is saved, and users are redirected to the "Extraction List" page.

Steps:

1. Click on the **Preview** button.
2. A modal will appear, displaying the selected source table columns and extraction table columns.



3. Click the **Save** button.
4. Upon clicking the save button, the extraction will be created successfully, and the page will redirect to the Extraction List page.



- When the extraction is created, it will have an unpublished status.

Operational Stack > Extraction Pipelines > PHQ demo pipeline

< Back

Data Extractions : PHQ demo pipeline
Occupancy data sources track people or objects in spaces for management and safety purposes.

+ New Extraction

Clear Filter Page Size: 10 Page Number: 1

Title	Description	Status	Action
PHQ Property table Data Extraction	PHQ Property table Data Extraction	Unpublished	

Page 1 of 1

Note: If a column contains a reserved database keyword, a warning or error message will appear. Once the column is renamed, the extraction can be saved successfully.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > Create Extraction

Title *: PHQ Property table Data Extraction

Description : PHQ Property table Data Extraction

Owner Email : codemen.sabbir@gmail.com

Destination Table Name : phq_property

Source Tables

Select a Table

+ Add Source Table

X Location_Property

Preview changes

Property		Custom Format	
Previous Name	Current Name	Yes	No
Location_Property.Units Count	Location_Property.Units Count	-	✓
Location_Property.Region	Location_Property.Region	-	✓
Location_Property.Division	Location_Property.Division	-	✓
Location_Property.Group	Location_Property.Group	-	✓
Location_Property.Sub Company	Location_Property.Sub Company	-	✓
Location_Property.District	Location_Property.District	-	✓

Save

Column name (group) is matched with DB reserved keyword. Please rename it !

Delete all

Location_Property.Address

Edit Extraction

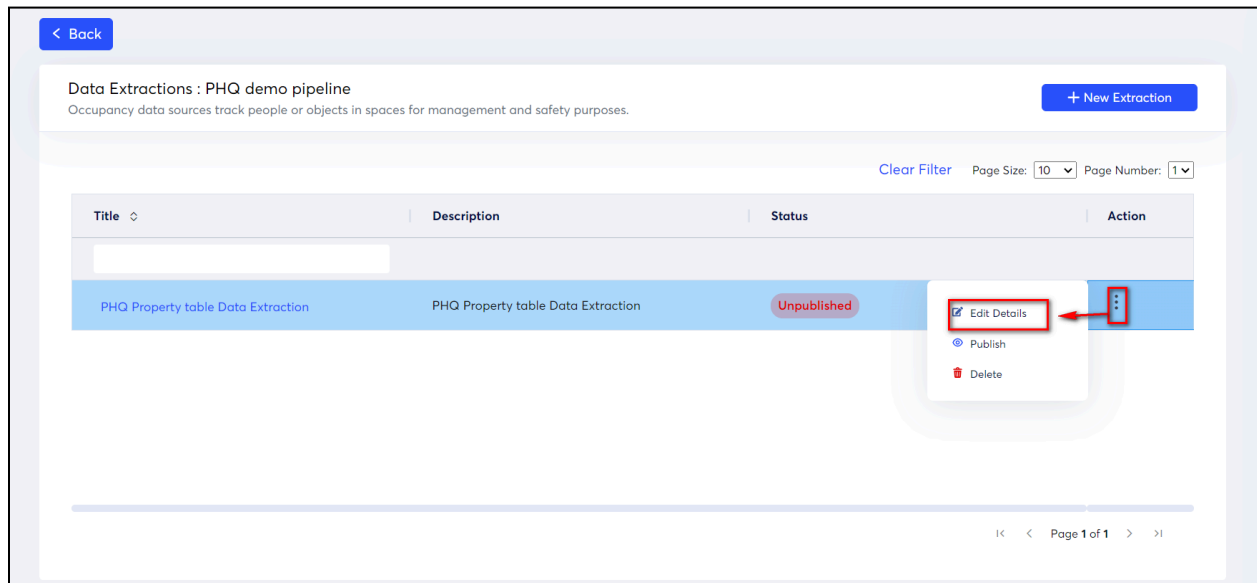
Description:

The "Edit Extraction" feature allows users to modify existing extraction configurations within the Data Extraction system. Users can update the extraction title, description, owner email, destination table name,

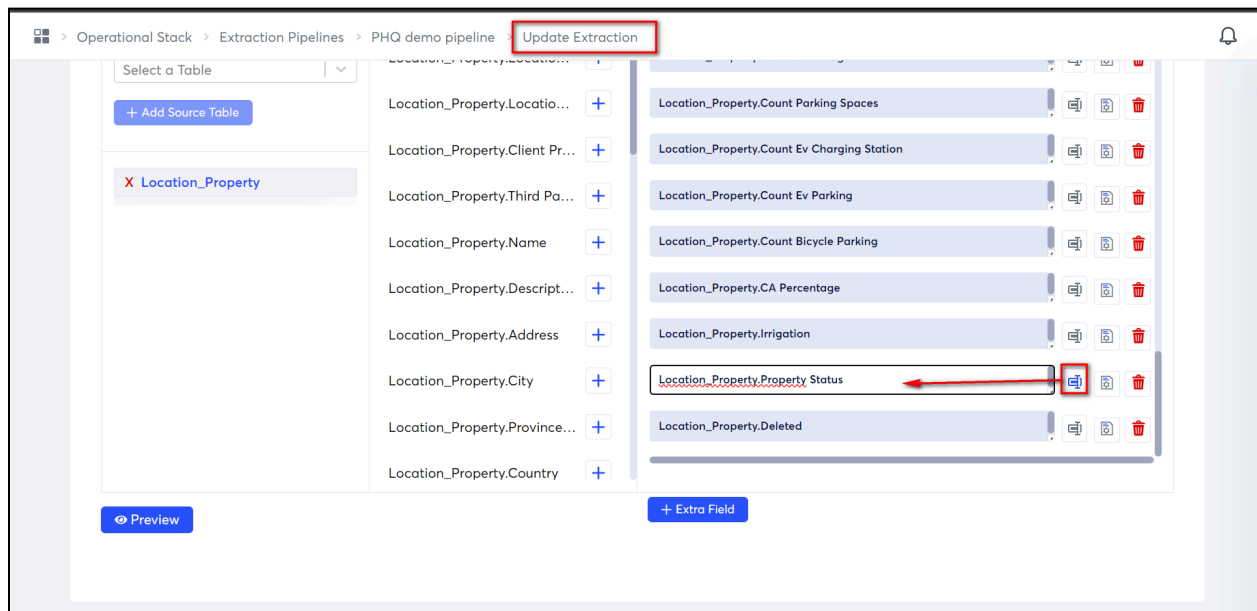
and mapping columns. They can also add or remove columns as needed. However, note that extractions with existing or previously extracted data cannot be edited.

Steps:

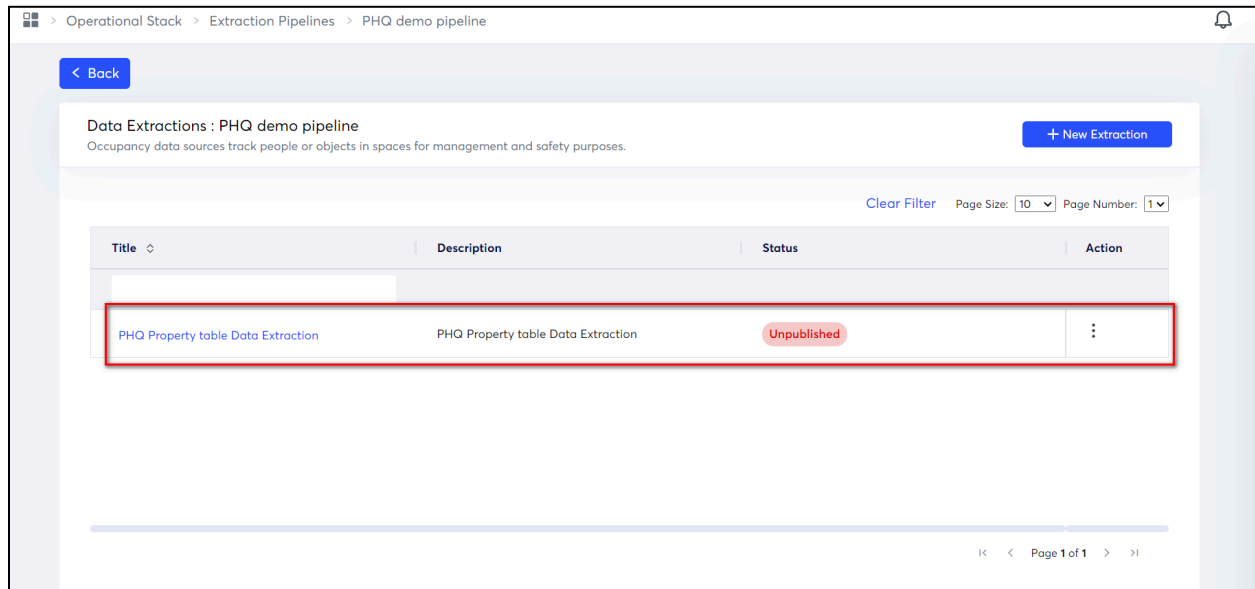
1. Go to the **Extraction List** page.
2. Click the **Action** icon (three dots) on the right side of the table.
3. Select the **Edit Details** option.



4. You will be redirected to the extraction mapping page.
5. To rename a column, click the **Rename** icon next to the table column.
6. Update the column name (e.g., change "Status" to "Property Status").



7. After making the necessary changes, click the **Preview** button to review the updates.
8. Click the **Update** button.
9. After updating, you will be redirected back to the **Extraction List** page.

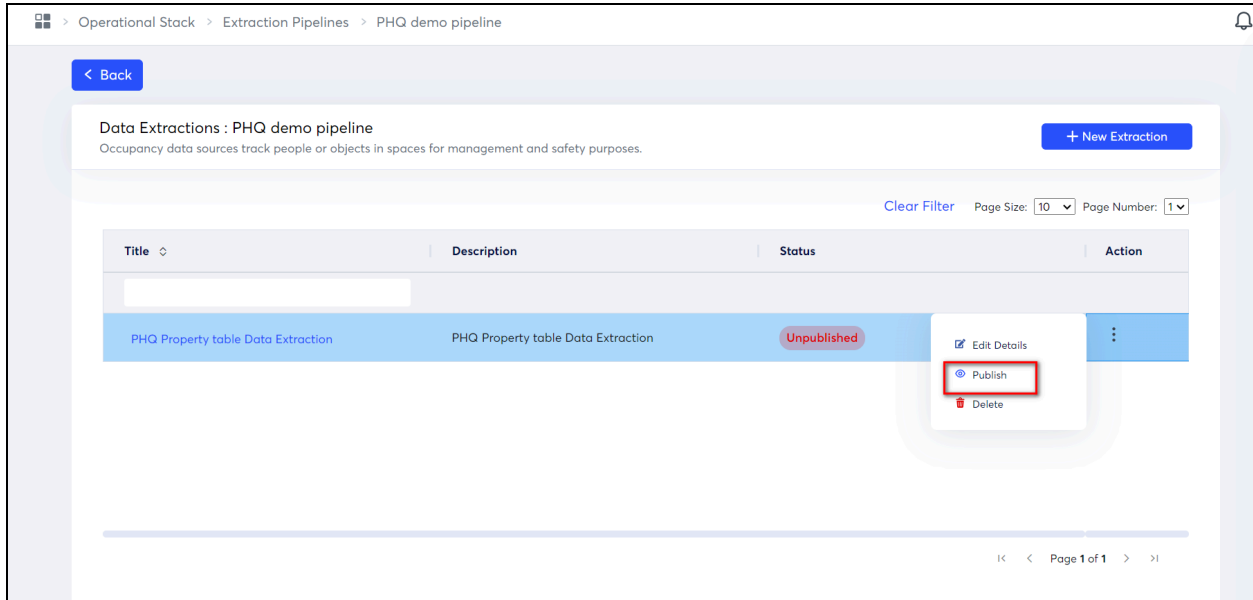


Publish Extraction:

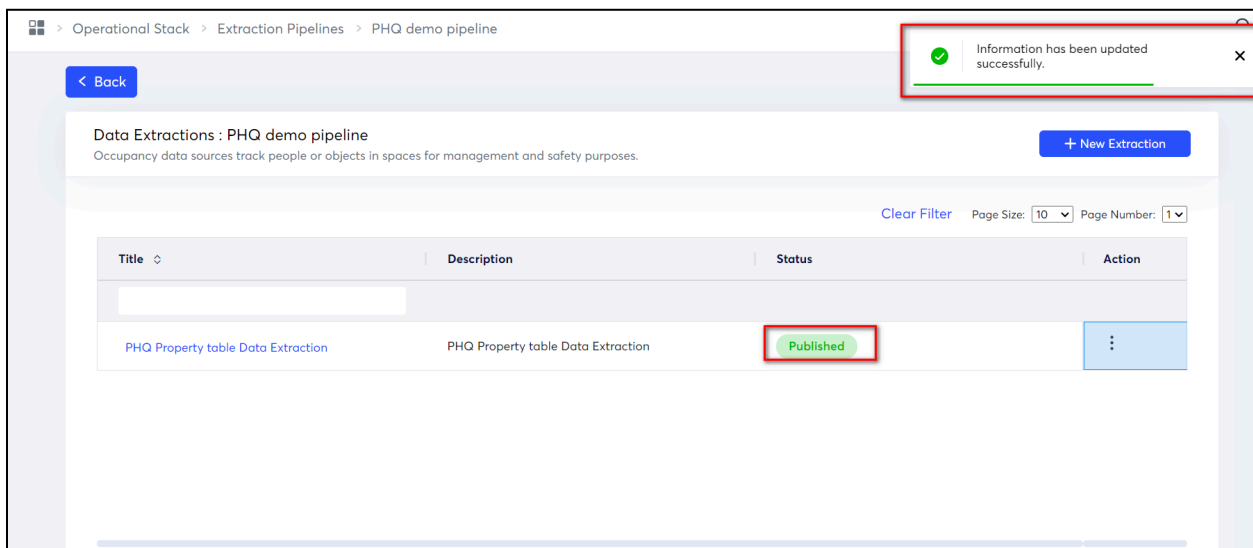
Description: The **Publish Extraction** functionality allows users to activate an extraction, making it ready for execution within the data pipeline. Publishing an extraction ensures that it is properly configured and prepared to process data, enabling the smooth flow of data extraction tasks.

Steps:

1. Go to the **Extraction List** page.
2. Click on the **Action** icon (three dots) on the right side of the table for the relevant extraction.
3. Select the **Publish** option.



4. Once the **Publish** option is clicked, the extraction will be successfully published and prepared to initiate the execution process.

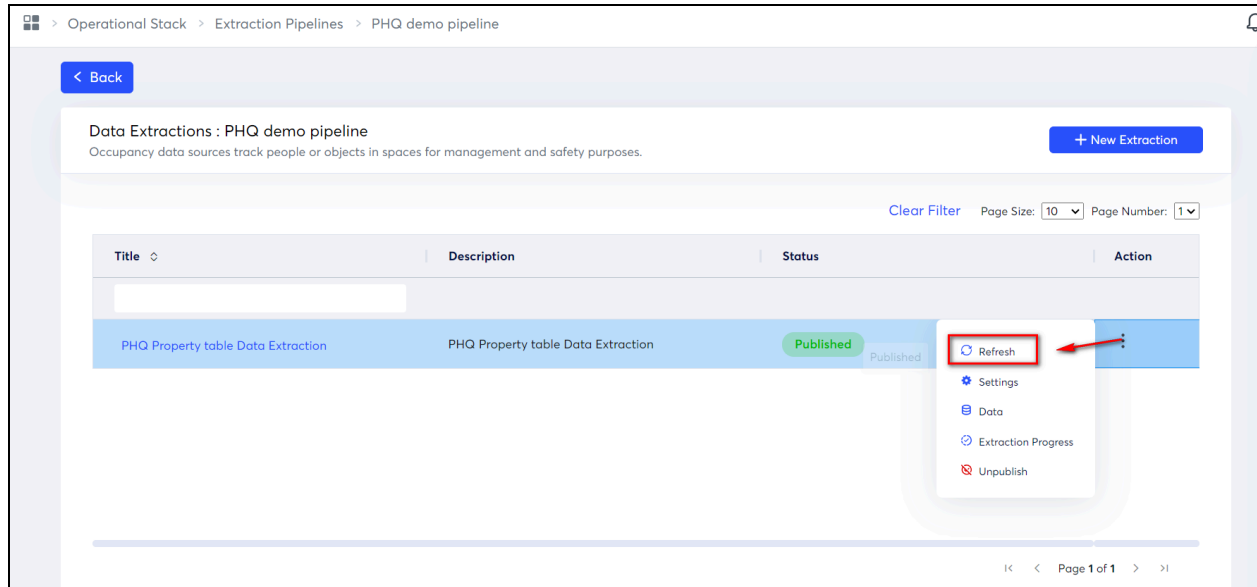


Initiate the Extraction Process:

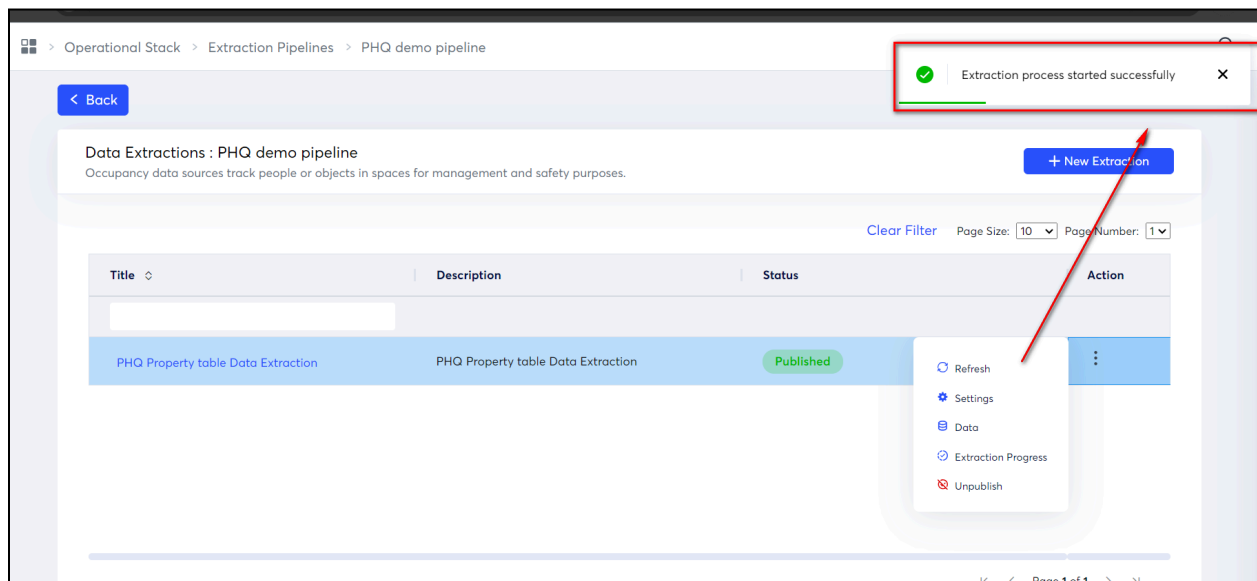
Description: The **Initiate the Extraction Process** functionality allows users to trigger the execution of a specific extraction. This feature starts the data extraction process.

Steps:

1. Go to the **Extraction List** page.
2. Click on the **Action** icon (three dots) on the right side of the table for the relevant extraction.
3. Select the **Refresh** option.



4. After clicking the **Refresh** button, the extraction process will initiate, and the execution will begin.



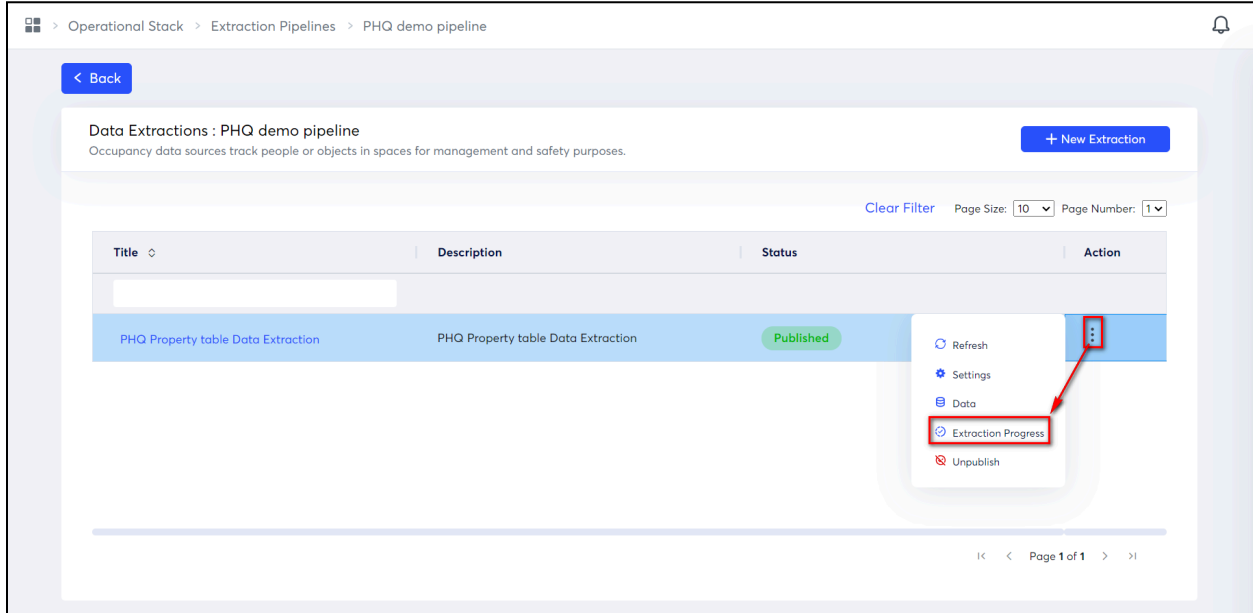
Data Extraction Progress:

Description: The data extraction progress feature allows users to monitor the real-time status of an ongoing extraction. It provides insights into the current progress, including the extraction date and the count of data processed, offering a clear view of the process's advancement.

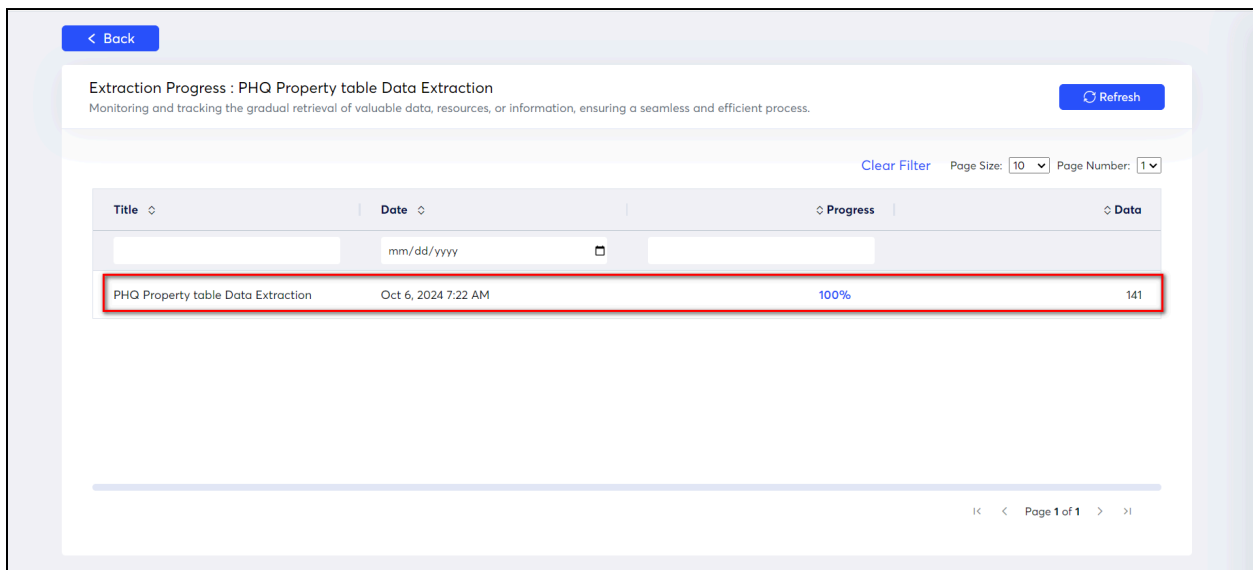
Steps :

1. Go to the **Extraction List** page.
2. Click on the **Action** icon (three dots) on the right side of the table for the relevant extraction.

3. Select the **Extraction Progress** option.



4. After clicking the button, the page will redirect to the extraction progress page.
5. Observe the progress status, date, and data count



Title:

Basic Feature: Descriptive titles assigned to each extraction task.

Functionality: Users can click on the "Title" column header to sort titles in ascending or descending order. By default, the full table is sorted in descending order.

Additionally, a search or filter option allows users to filter extractions based on specific keywords or titles.

Date:

Basic Feature: Timestamp indicating when the extraction process began.

Functionality: Users can click on the "Date" column header to sort dates in ascending or descending order. A date filtering feature allows users to narrow down extractions based on a specific timeframe.

Percentage:

Basic Feature: Indicates the progress percentage of each extraction.

Functionality: Provides a visual representation of extraction completion status; sortable for prioritization. Users can click on the "Percentage" column header to sort progress percentages in ascending or descending order. Filtering options allow users to isolate extractions based on specific percentage ranges.

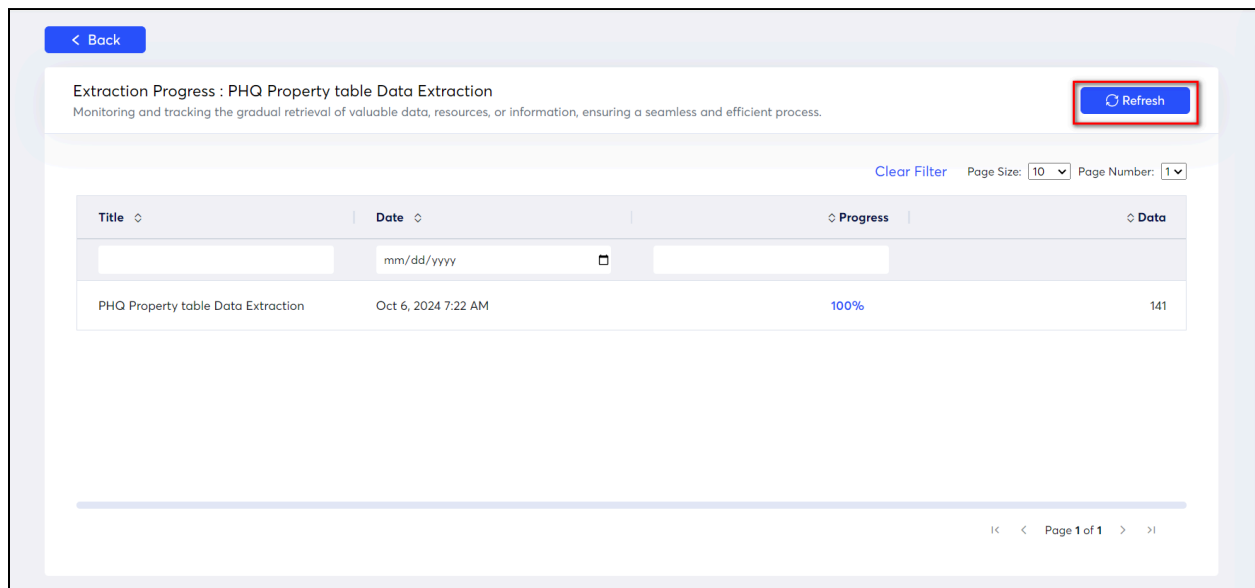
Data:

Basic Feature: Displays numerical counts or metrics related to the extraction process.

Functionality: Represents quantitative measures, such as the number of records processed or transferred. Users can click on the "Data" column header to sort counts in ascending or descending order. Filtering options enable users to isolate extractions based on specific count criteria.

- **Refresh Button:**

The **Refresh** button on the Extraction Progress page allows users to manually refresh the page, ensuring real-time updates of the ongoing extraction processes.



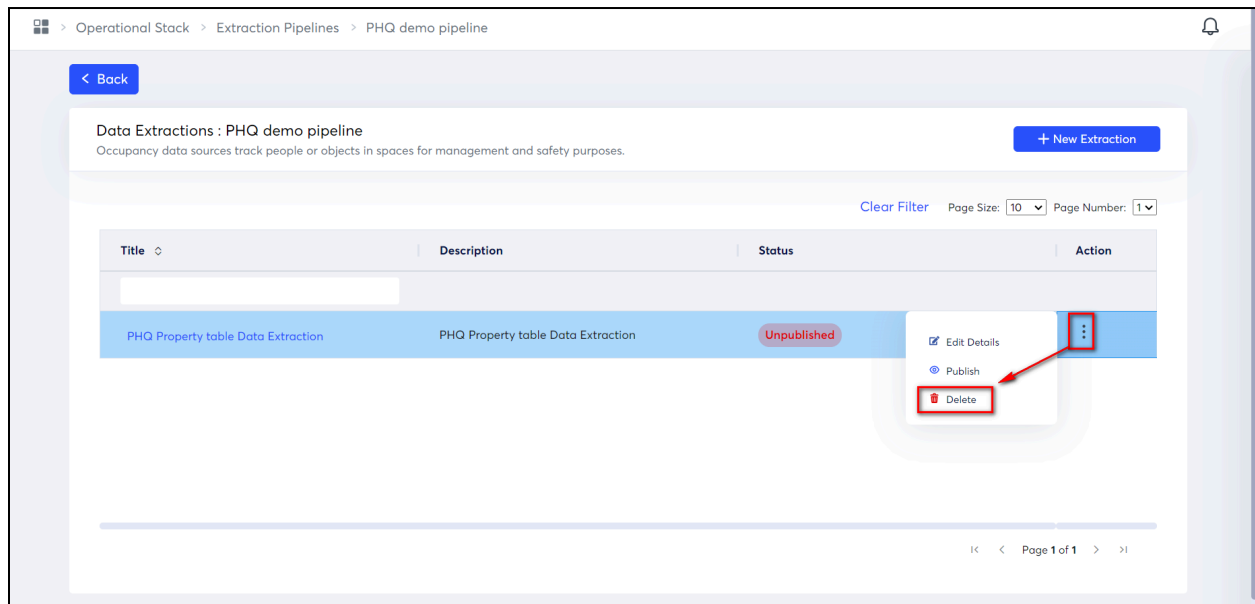
Delete Extraction:

Description: The "Delete Extraction" feature allows users to efficiently remove unnecessary extractions from the Data Extraction system. This streamlined process ensures a straightforward and swift method for

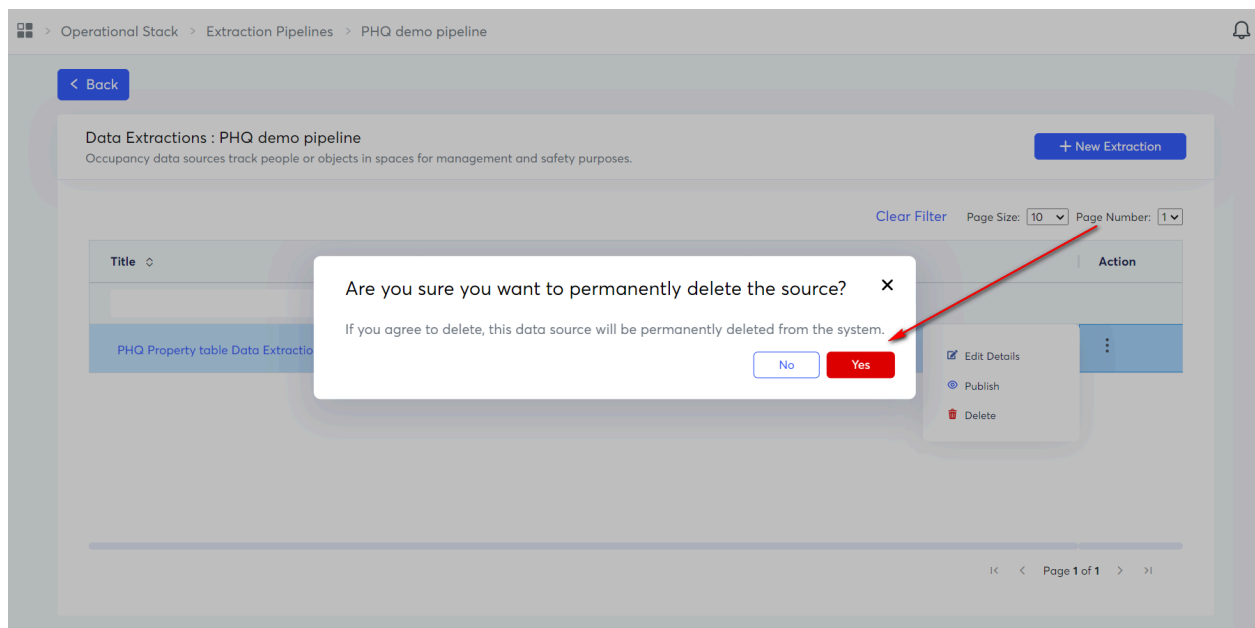
decluttering the system from extractions that are no longer required, contributing to a well-organized and efficient data extraction environment.

Steps:

- Go to the Extraction List page
- Click on the Action menu (three dots menu) on the right side of the table.
- Click the **Delete** option.



- Click on “Yes” to delete the extraction.



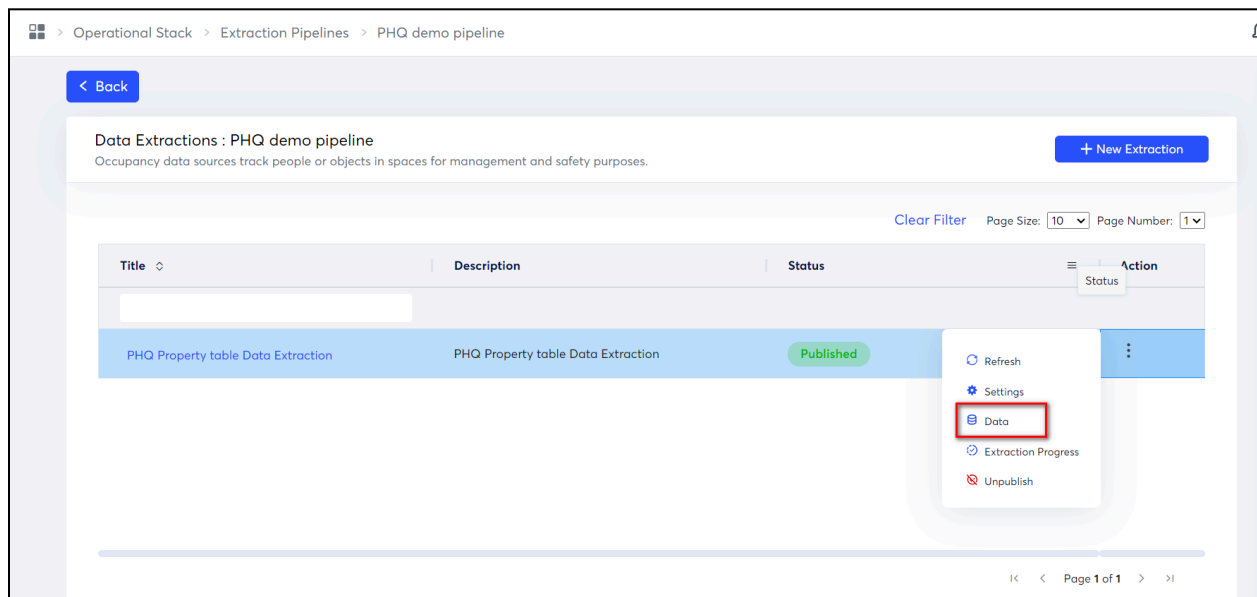
- The Extraction will be deleted successfully.

Extraction Data:

Description: "Extraction Data" provides users with a comprehensive view of data associated with a particular extraction within the Data Extraction system.

Steps:

- Go to the **Extraction List** page.
- Click on the **Action** icon (three dots) on the right side of the table for the relevant extraction.
- Click the **Data** option.



- A new page will open where the user can see the data of the extraction.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab...

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Extraction Data : PHQ Property table Data Extraction
Monitoring and tracking the gradual retrieval of valuable data, resources, or information, ensuring a seamless and efficient process.

Refresh

Clear Filter Page Size: 10 Page Number: 1

Location ID	Location Ty...	Client Prop...	Third Party ID	Name	Description	Address
PL009889	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009901	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009919	Retail	2011	TP1011	Northgate Shopping	Retail shopping cent	303 Northgate Rd
PL009921	Warehouse	2008	TP1008	Eastside Distribution	Logistics center	456 Industry Dr
PL009851	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009920	Office	2012	TP1012	Sunset Business Park	Business office park	606 Sunset Blvd
PL009863	Test Property	P001	P0008E	Test Property	demo test property	Dhaka

- **Refresh Button:**

The **Refresh** button on the Extraction Data page allows users to manually refresh the page, ensuring real-time updates of the ongoing extraction processes data.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab...

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Extraction Data : PHQ Property table Data Extraction
Monitoring and tracking the gradual retrieval of valuable data, resources, or information, ensuring a seamless and efficient process.

Refresh

Clear Filter Page Size: 10 Page Number: 1

Location ID	Location Ty...	Client Prop...	Third Party ID	Name	Description	Address
PL009889	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009901	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009919	Retail	2011	TP1011	Northgate Shopping	Retail shopping cent	303 Northgate Rd
PL009921	Warehouse	2008	TP1008	Eastside Distribution	Logistics center	456 Industry Dr
PL009851	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009920	Office	2012	TP1012	Sunset Business Park	Business office park	606 Sunset Blvd
PL009863	Test Property	P001	P0008E	Test Property	demo test property	Dhaka

Extraction Data Column Filter:

Pin Column

Description: The "Pin Column" functionality within the Extraction Data allows users to customize their data table display by fixing specific columns to the left or right for easy reference.

Steps:

- Hover the column
- Click on the **menu button** beside the column name.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab...

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Extraction Data : PHQ Property table Data Extraction
Monitoring and tracking the gradual retrieval of valuable data, resources, or information, ensuring a seamless and efficient process.

Refresh

Clear Filter Page Size: 10 Page Number: 1

Location ID	Location Ty...	Client Prop...	Third Party ID	Name	Description	Address
	Location ID					
PL009889	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009901	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009919	Retail	2011	TP1011	Northgate Shopping	Retail shopping cent	303 Northgate Rd
PL009921	Warehouse	2008	TP1008	Eastside Distribution	Logistics center	456 Industry Dr
PL009851	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009920	Office	2012	TP1012	Sunset Business Park	Business office park	606 Sunset Blvd
PL009863	Test Property	P001	P0008E	Test Property	demo test property	Dhaka

- A modal will open which shows different options
- Click on the **pin column** option.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab...

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Extraction Data : PHQ Property table Data Extraction
Monitoring and tracking the gradual retrieval of valuable data, resources, or information, ensuring a seamless and efficient process.

Refresh

Clear Filter Page Size: 10 Page Number: 1

Location ID	Location Ty...	Client Prop...	Third Party ID	Name	Description	Address
	Location ID					
PL009889	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009901	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009919	Retail	2011	TP1011	Northgate Shopping	Retail shopping cent	303 Northgate Rd
PL009921	Warehouse	2008	TP1008	Eastside Distribution	Logistics center	456 Industry Dr
PL009851	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009920	Office	2012	TP1012	Sunset Business Park	Business office park	606 Sunset Blvd
PL009863	Test Property	P001	P0008E	Test Property	demo test property	Dhaka

- Click on the “No Pin” or “Pin Left” or “Pin right” option to pin the column.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab...

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Extraction Data : PHQ Property table Data Extraction
Monitoring and tracking the gradual retrieval of valuable data, resources, or information, ensuring a seamless and efficient process.

Clear Filter Page Size: 10 Page Number: 1

Location ID		Client Prop...	Third Party ID	Name	Description	Address
	Pin Column	✓ No Pin				
PL009889	Autosize This Column	Pin Left	P0008E	Test Property	demo test property	Dhaka
PL009901	Autosize All Columns	Pin Right	P0008E	Test Property	demo test property	Dhaka
PL009919	Reset Columns					
PL009921	Warehouse	2011	TP1011	Northgate Shopping	Retail shopping cent	303 Northgate Rd
PL009851	Warehouse	2008	TP1008	Eastside Distribution	Logistics center	456 Industry Dr
PL009851	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009920	Office	2012	TP1012	Sunset Business Park	Business office park	606 Sunset Blvd
PL009863	Test Property	P001	P0008E	Test Property	demo test property	Dhaka

Autosize This Column:

Description: The 'Autosize This Column' feature in Extraction Data optimizes the presentation of data by automatically adjusting the width of a selected column for optimal visibility.

Steps:

- Click on the **menu button** beside the column name.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab...

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Extraction Data : PHQ Property table Data Extraction
Monitoring and tracking the gradual retrieval of valuable data, resources, or information, ensuring a seamless and efficient process.

Clear Filter Page Size: 10 Page Number: 1

Location ID	Location Ty...	Client Prop...	Third Party ID	Name	Description	Address
PL009889	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009901	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009919	Retail	2011	TP1011	Northgate Shopping	Retail shopping cent	303 Northgate Rd
PL009921	Warehouse	2008	TP1008	Eastside Distribution	Logistics center	456 Industry Dr
PL009851	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009920	Office	2012	TP1012	Sunset Business Park	Business office park	606 Sunset Blvd
PL009863	Test Property	P001	P0008E	Test Property	demo test property	Dhaka

- Click on the **Autosize This Column** option. Only the selected column will be autosized.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab...

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Extraction Data : PHQ Property table Data Extraction
Monitoring and tracking the gradual retrieval of valuable data, resources, or information, ensuring a seamless and efficient process.

Refresh

Clear Filter Page Size: 10 Page Number: 1

Location ID		Client Prop...	Third Party ID	Name	Description	Address
PL009889		P001	P0008E	Test Property	demo test property	Dhaka
PL009901		P001	P0008E	Test Property	demo test property	Dhaka
PL009919		2011	TP1011	Northgate Shopping	Retail shopping cent	303 Northgate Rd
PL009921	Warehouse	2008	TP1008	Eastside Distribution	Logistics center	456 Industry Dr
PL009851	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009920	Office	2012	TP1012	Sunset Business Park	Business office park	606 Sunset Blvd

Autosize All Columns:

Description: The "Autosize All Column" feature in Extraction Data offers users a convenient way to optimize the presentation of all columns simultaneously.

Steps:

- Click on the **Autosize All Column** option. All the Columns will be autosized.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab...

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Extraction Data : PHQ Property table Data Extraction
Monitoring and tracking the gradual retrieval of valuable data, resources, or information, ensuring a seamless and efficient process.

Refresh

Clear Filter Page Size: 10 Page Number: 1

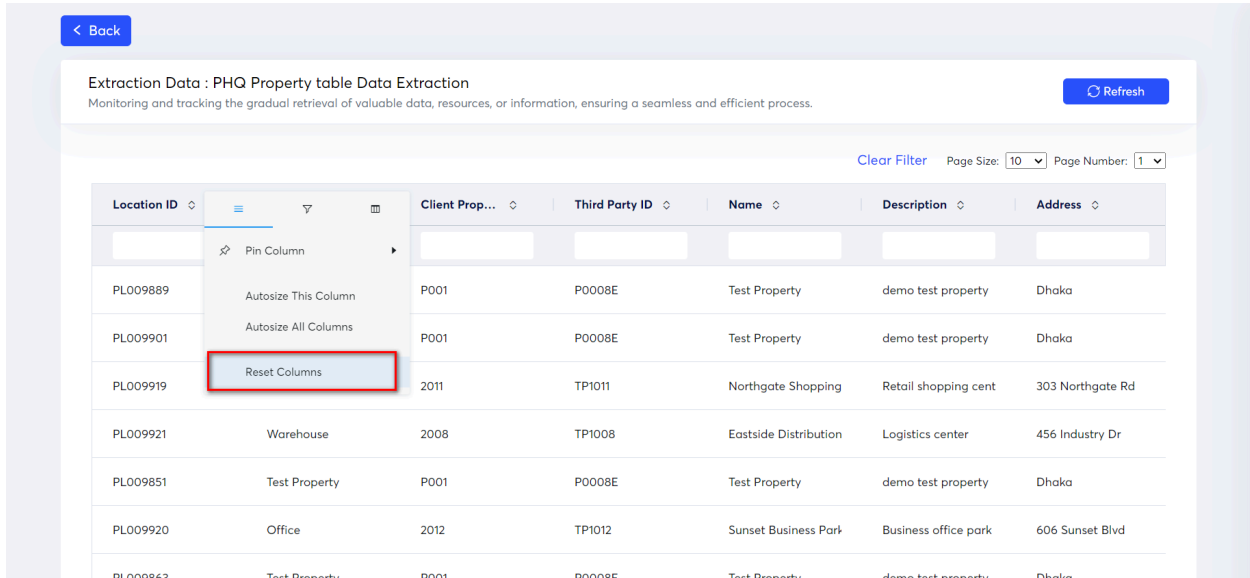
Location ID		Client Prop...	Third Party ID	Name	Description	Address
PL009889		P001	P0008E	Test Property	demo test property	Dhaka
PL009901		P001	P0008E	Test Property	demo test property	Dhaka
PL009919		2011	TP1011	Northgate Shopping	Retail shopping cent	303 Northgate Rd
PL009921	Warehouse	2008	TP1008	Eastside Distribution	Logistics center	456 Industry Dr
PL009851	Test Property	P001	P0008E	Test Property	demo test property	Dhaka
PL009920	Office	2012	TP1012	Sunset Business Park	Business office park	606 Sunset Blvd

Reset Columns:

Description: The "Reset Columns" functionality within Extraction Data provides users with a quick and effective way to revert column configurations to their default settings.

Steps:

- Click on the **Reset Columns** to reset all the columns. It will reset the functions (pin column, autosize this column, and autosize all columns) applied to the columns.



Extraction Data : PHQ Property table Data Extraction
Monitoring and tracking the gradual retrieval of valuable data, resources, or information, ensuring a seamless and efficient process.

Clear Filter Page Size: 10 Page Number: 1

Location ID	Client Prop...	Third Party ID	Name	Description	Address
PL009889	P001	P0008E	Test Property	demo test property	Dhaka
PL009901	P001	P0008E	Test Property	demo test property	Dhaka
PL009919	2011	TP1011	Northgate Shopping	Retail shopping cent	303 Northgate Rd
PL009921	Warehouse	2008	TP1008	Eastside Distribution	Logistics center
PL009851	Test Property	P001	P0008E	Test Property	demo test property
PL009920	Office	2012	TP1012	Sunset Business Park	Business office park
PL009863	Test Property	P001	P0008E	Test Property	demo test property

Extraction Data Search Filter:

Description: The "Extraction Data Search Filter" enables users to refine their search within columns in the Data Extraction system.

Steps:

- Select an option from the dropdown (It will be implemented later. Only contains is available)
- Users can only search the column's data that he has filtered. It will search within this column. Moreover, users can perform searches on multiple columns at a time.

Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab...

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Extraction Data : PHQ Property table Data Extraction
Monitoring and tracking the gradual retrieval of valuable data, resources, or information, ensuring a seamless and efficient process.

Refresh

Clear Filter Page Size: 10 Page Number: 1

Location...	Location Type	Client Prop...	Third Party ID	Name	Description	Address
PL009921	Contains					
PL009921	PL009921	2008	TP1008	Eastside Distribution	Logistics center	456 Industry Dr

Page 1 of 1

Extraction Data Select/unselect Filter:

Description: The "Extraction Data Select/Unselect Filter" empowers users to customize their data table display by selectively choosing columns to be shown or hidden. The "Select/Unselect Filter" contributes to a personalized and user-friendly experience in managing displayed columns.

Steps:

- Users can select all the columns by selecting all checkboxes or can select one by one column by clicking the column name checkbox.

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Extraction Data : PHQ Property table Data Extraction
Monitoring and tracking the gradual retrieval of valuable data, resources, or information, ensuring a seamless and efficient process.

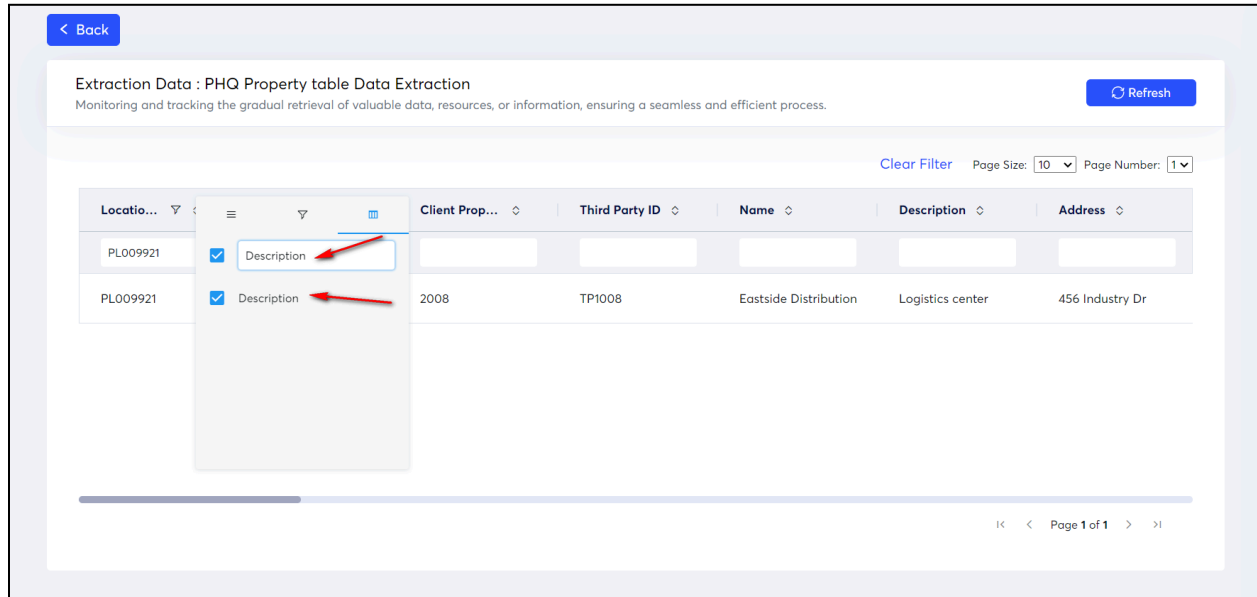
Refresh

Clear Filter Page Size: 10 Page Number: 1

Location...	Location Type	Client Prop...	Third Party ID	Name	Description	Address
PL009921	Search...					
PL009921	Location ID	2008	TP1008	Eastside Distribution	Logistics center	456 Industry Dr

Page 1 of 1

- Also, users can search for the column name on the search box and can select/unselect the column by clicking the checkbox.

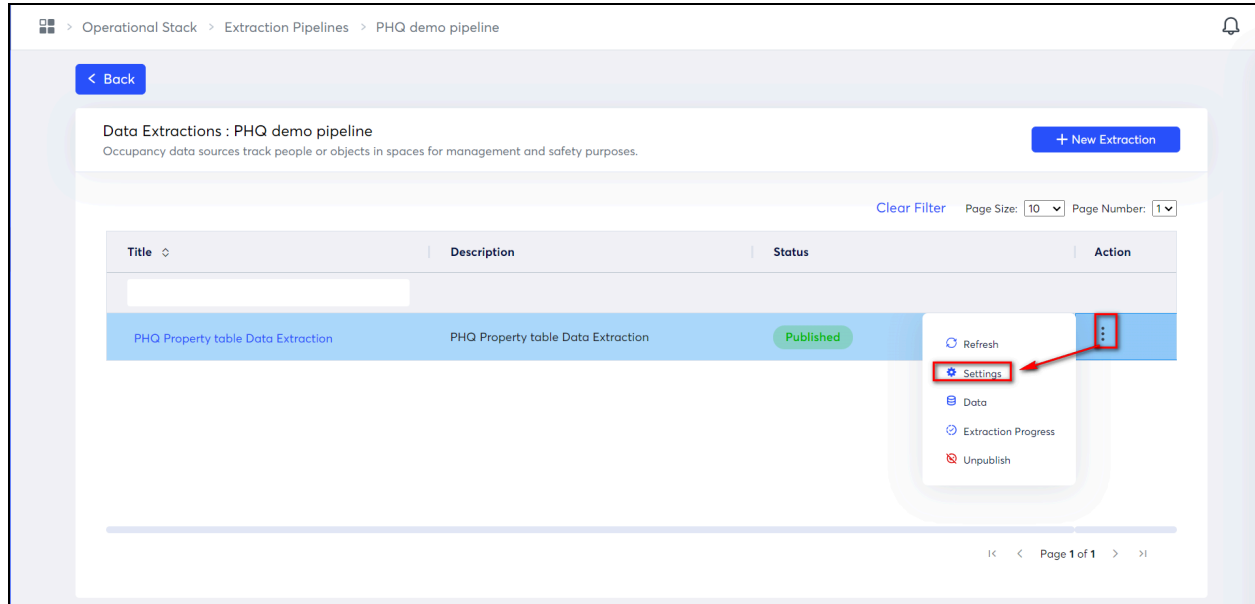


Create Destination For Extraction:

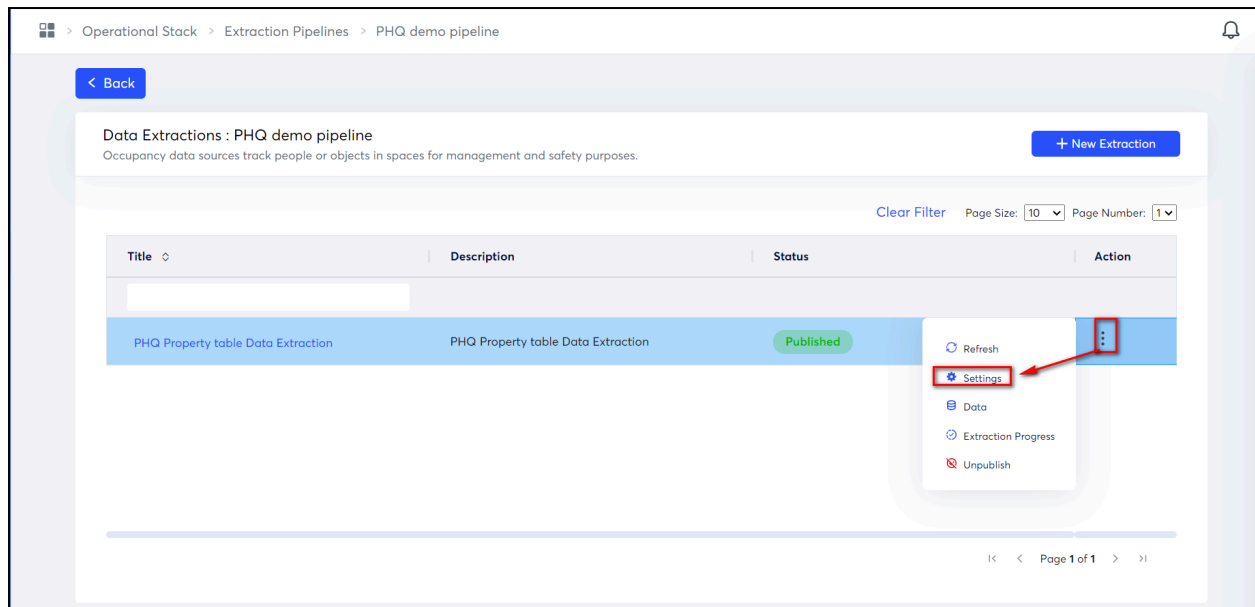
Description: The "Create Destination For Extraction" feature empowers users to establish destinations for a specific extraction within the Data Extraction system. This feature facilitates the seamless integration of extraction results into various destinations, supporting versatile data management within the Data Extraction system.

Steps:

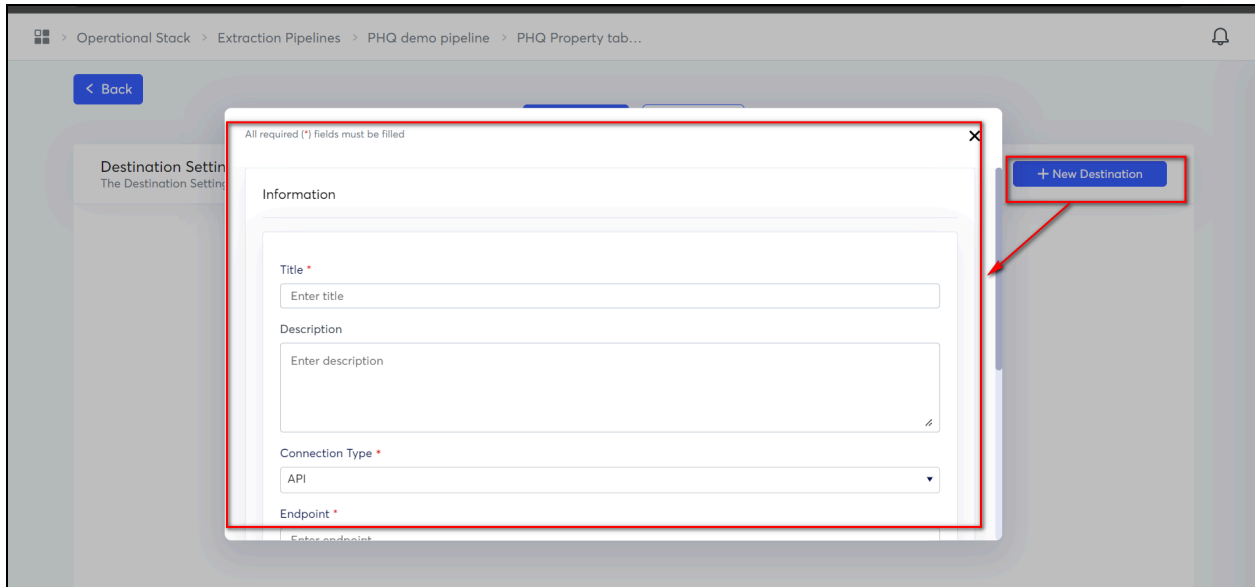
- Go to the extraction list page
- Click on the Action menu (three dots menu) on the right side of the table.
- Click on the **Settings** option.



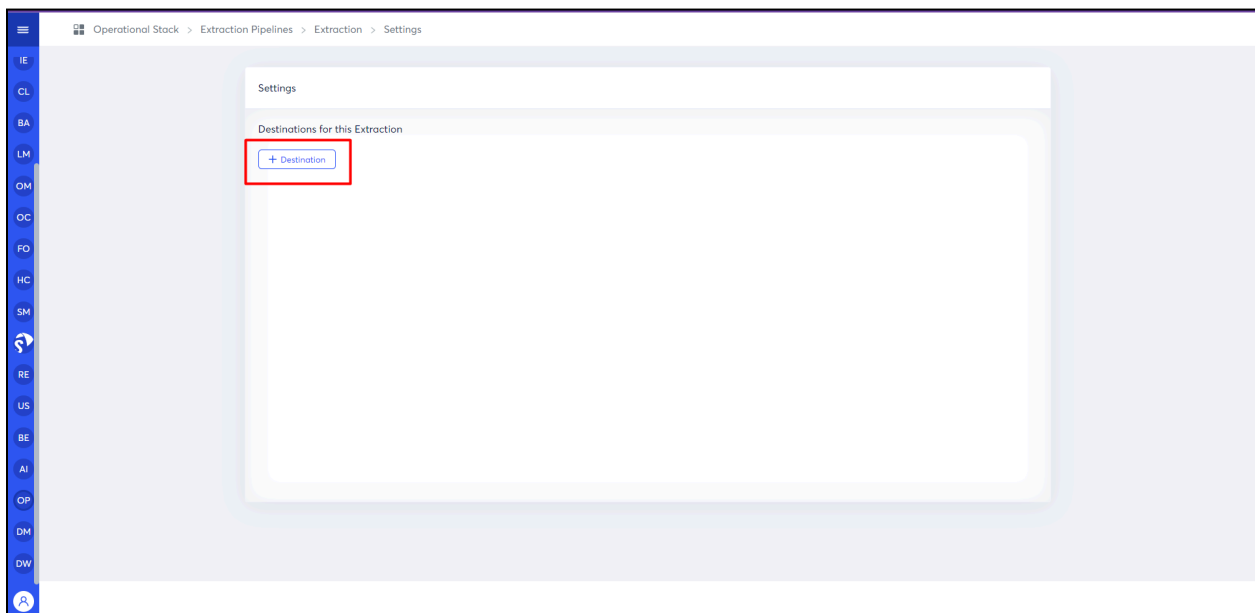
- After clicking the option, Page will redirect to the destination page
- By default, Destination Tab will have been selected.



- Click on the “+Add Destination” button.
- After clicking the button, a modal will appear.



- There are two types of Select connection type.
They are-
 1. **API**
 2. **Webhook**

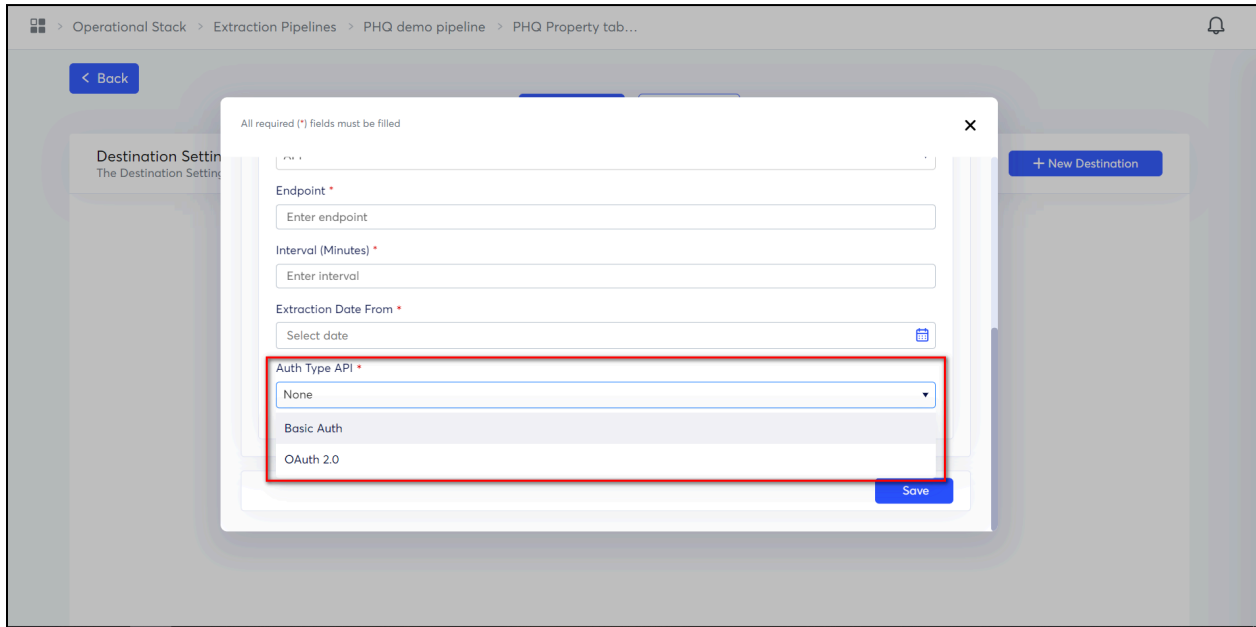


API And Webhook

Description: The "API And Webhook" functionality within the Data Extraction system allows users to create destinations with three distinct types of authorization

They are -

1. **Basic Auth**
2. **None**
3. **OAuth 2.0**



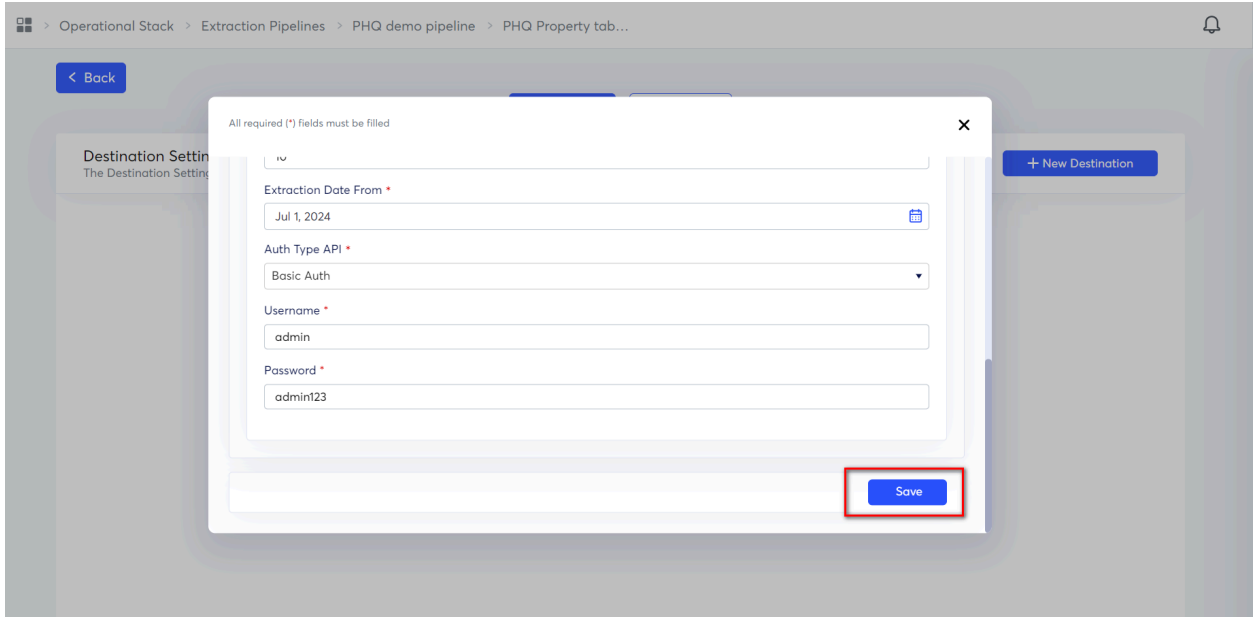
- Fill up all the input fields.
- Select connection type API or Webhook
- Now fill up the endpoint field according to the connection type
- Select authorization from the dropdown. There are three types of authorization.

1. Basic Auth

Description: The "Basic Auth" option within API And Webhook functionality provides a secure method for creating destinations. Users, when selecting Basic Auth, input a username and password in the designated fields. This authentication type ensures that only authorized users with the correct credentials can access and transfer data through the API or Webhook connection. The use of Basic Auth adds an extra layer of security to the data transfer process, contributing to a reliable and protected data management environment within the Data Extraction system.

Steps:

- In the Authorization field, select the Basic Auth option from the dropdown. [If the API has the Authorization, then we use the Basic Auth]
- The username and password field will appear.
- Fill in the fields.



Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab...

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Destination Settings
The Destination Settings

All required (*) fields must be filled

Extraction Date From *

Jul 1, 2024

Auth Type API *

Basic Auth

Username *

admin

Password *

admin123

Save

+ New Destination

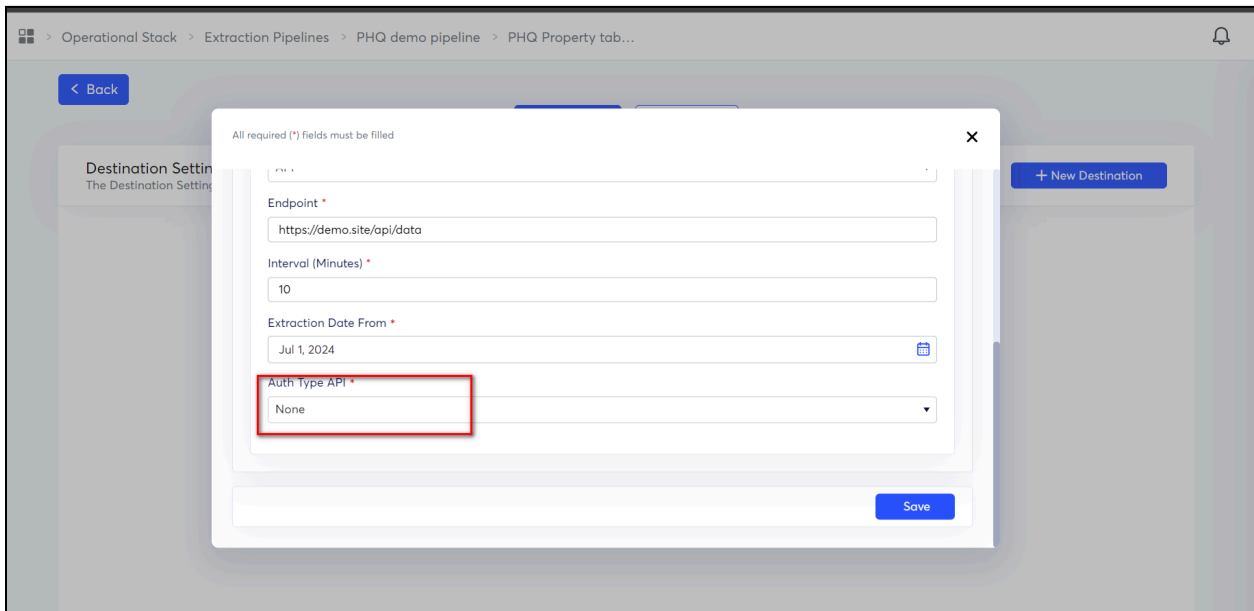
- Click on **the Save** button.
- The destination will be saved successfully.

2. None

Description: The "None" option within the API And Webhook functionality in the Data Extraction system provides a straightforward method for creating destinations without the need for additional authorization.

Steps:

- In the Authorization field select the none option from the dropdown.



Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab...

< Back

Destination Settings
The Destination Settings

All required (*) fields must be filled

Endpoint *

https://demo.site/api/data

Interval (Minutes) *

10

Extraction Date From *

Jul 1, 2024

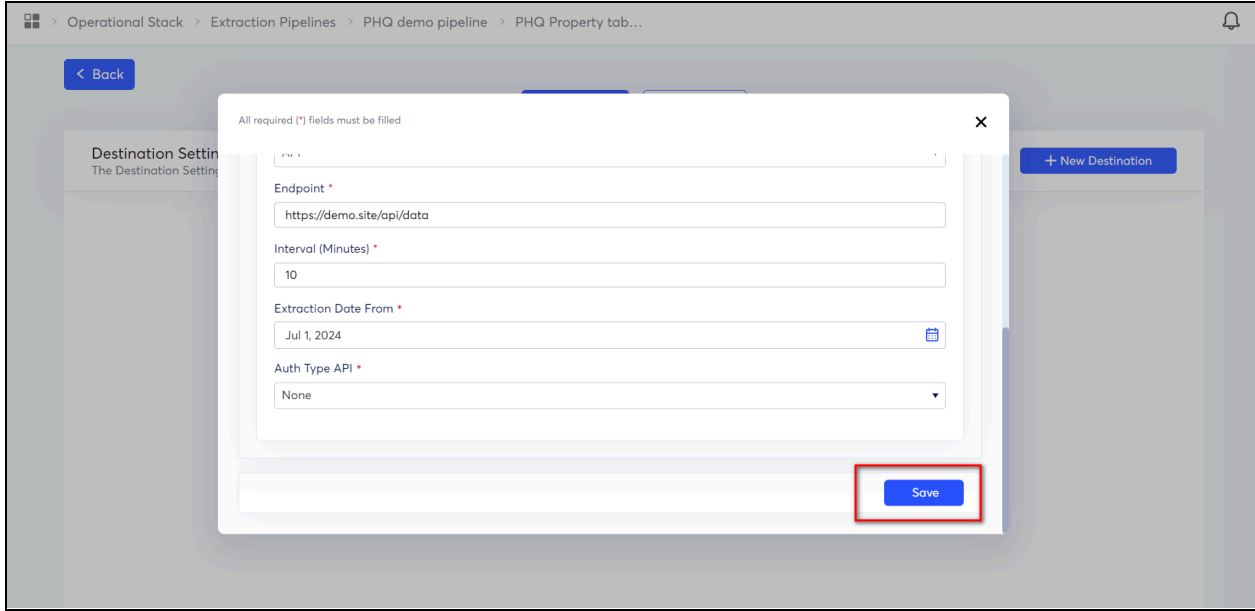
Auth Type API *

None

Save

+ New Destination

- Click on the **Save** button.



The screenshot shows a web application interface with a breadcrumb trail: > Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab... A modal window titled "Destination Settings" is open, displaying the following fields: Endpoint (https://demo.site/api/data), Interval (Minutes) (10), Extraction Date From (Jul 1, 2024), and Auth Type API (None). A red box highlights the "Save" button at the bottom right of the modal.

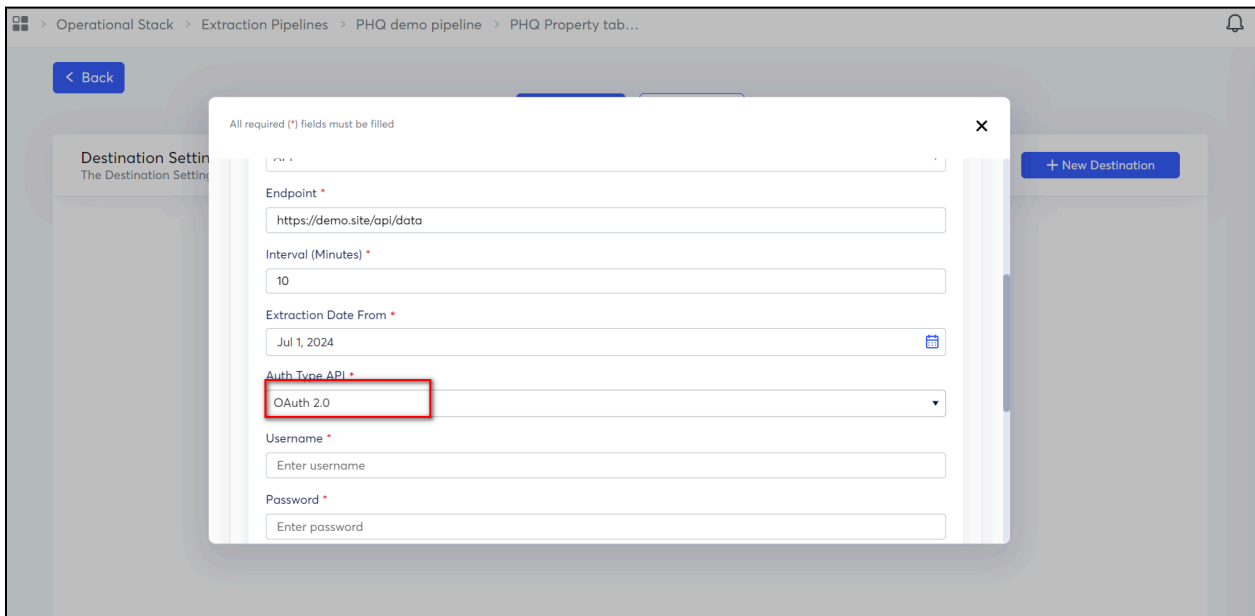
- The destination will be saved successfully.

3. OAuth2.0

Description: OAuth2.0, a feature within the API And Webhook functionality of the Data Extraction system, provides users with a secure and standardized method for creating destinations.

Steps:

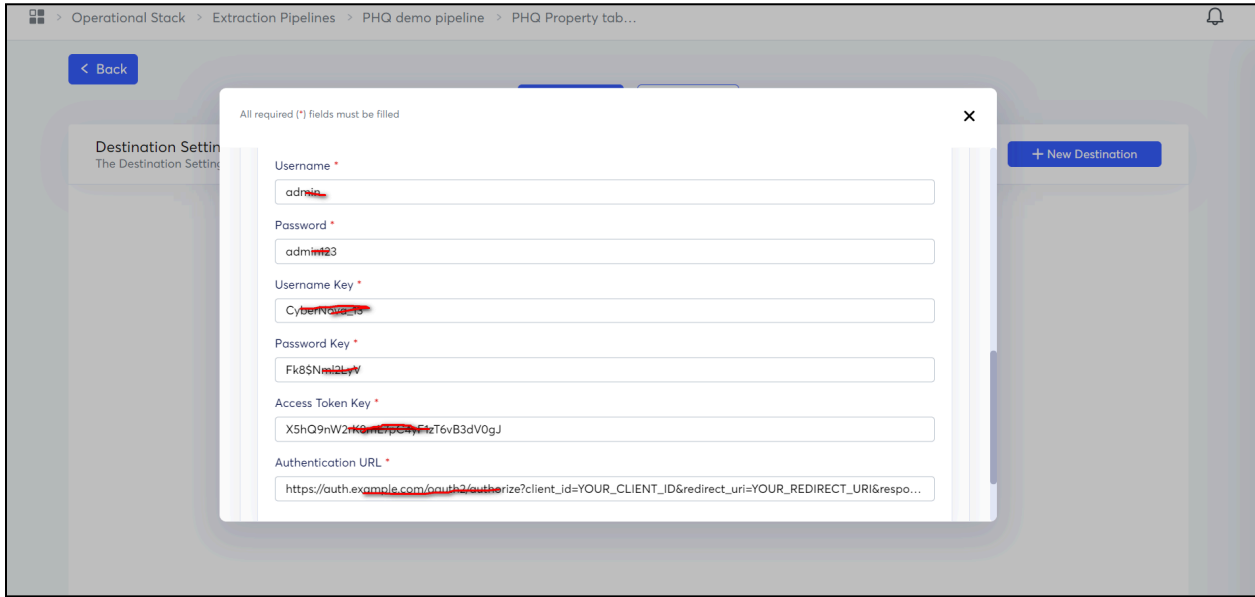
- In the Authorization field select the OAuth2.0 option from the dropdown.



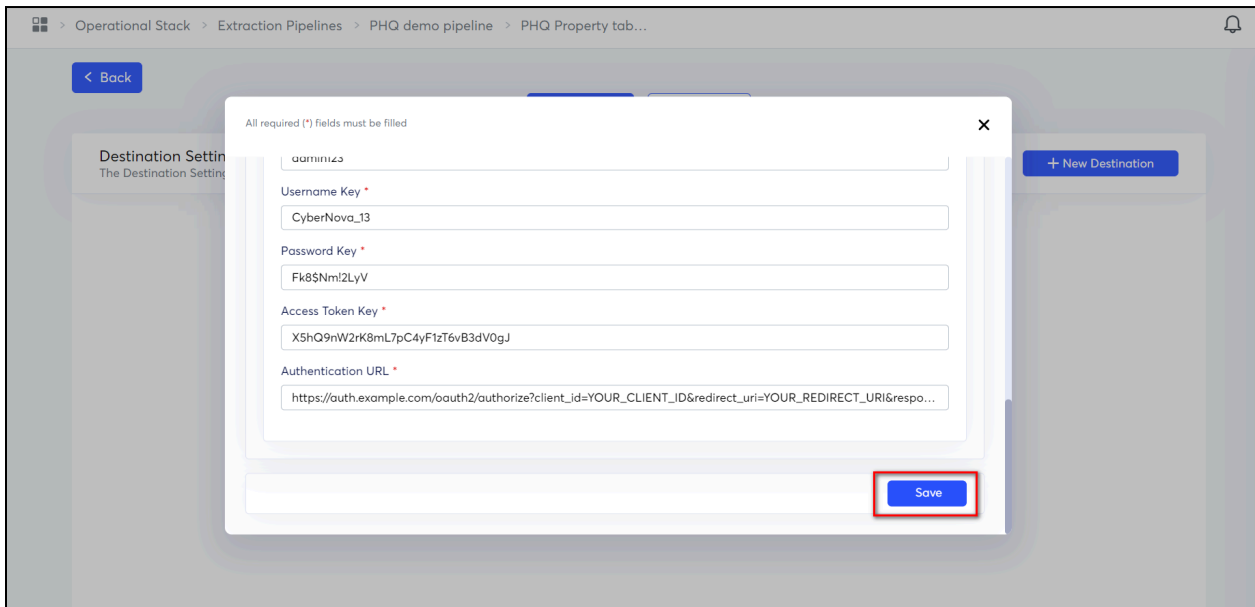
This screenshot shows the same "Destination Settings" modal form, but with the "Auth Type API" dropdown menu open and "OAuth 2.0" selected. The "Save" button is no longer highlighted. The form also includes "Username" and "Password" fields that are only visible when OAuth 2.0 is selected.

- Some new fields will appear.

- Fill in the fields.



- Click on the **Save** button.



- The destination will be created.

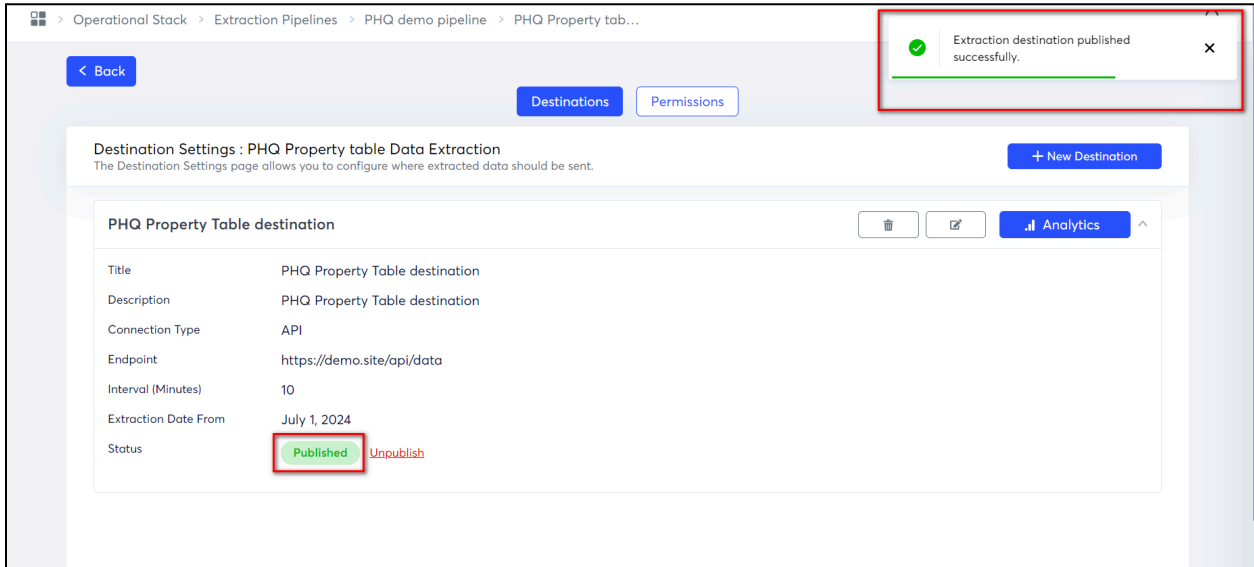
Note: Once created, it will initially be in an unpublished state.

Description: The "Publishing Destinations For This Extraction" feature enables users to make a destination available for data extraction within the Data Extraction system. The successful publishing of a destination ensures that data will be extracted and transferred to the specified destination, contributing to a streamlined and efficient data flow within the Data Extraction system.

- After creating a destination click on the **"Publish"** button.



- After clicking the button, the destination will publish successfully.



Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab...

< Back Destinations Permissions

Destination Settings : PHQ Property table Data Extraction
The Destination Settings page allows you to configure where extracted data should be sent.

+ New Destination

PHQ Property Table destination

Title PHQ Property Table destination

Description PHQ Property Table destination

Connection Type API

Endpoint https://demo.site/api/data

Interval (Minutes) 10

Extraction Date From July 1, 2024

Status **Published** Unpublish

Analytics

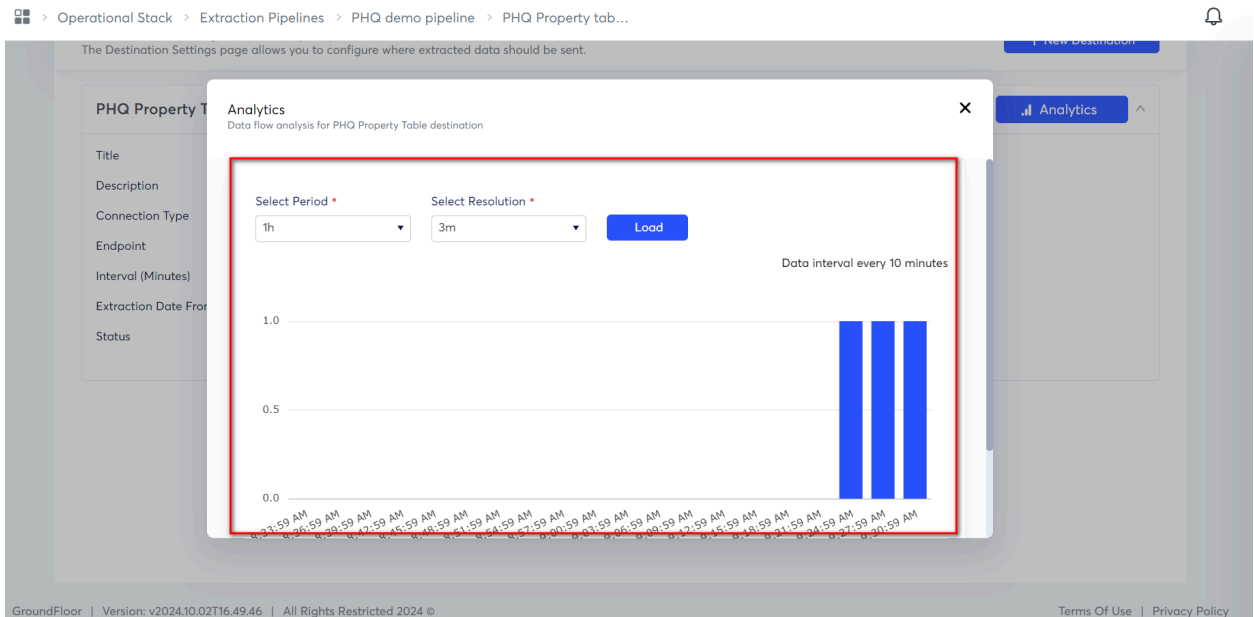
- The data will be extracted.

KPI Graph:

Description: After publishing a destination, a KPI graph provides a quick and easy-to-understand visual snapshot of essential metrics. Users can see the KPI graph only after publishing the destination.

Steps :

1. Click on the Analytics Button.
2. After clicking the button, the appear will appear.



Operational Stack > Extraction Pipelines > PHQ demo pipeline > PHQ Property tab...

The Destination Settings page allows you to configure where extracted data should be sent.

PHQ Property Table destination

Title PHQ Property Table destination

Description PHQ Property Table destination

Connection Type API

Endpoint https://demo.site/api/data

Interval (Minutes) 10

Extraction Date From July 1, 2024

Status Published Unpublish

Analytics

Analytics
Data flow analysis for PHQ Property Table destination

Select Period * 1h Select Resolution * 3m Load

Data interval every 10 minutes

1.0
0.5
0.0

1h 3m

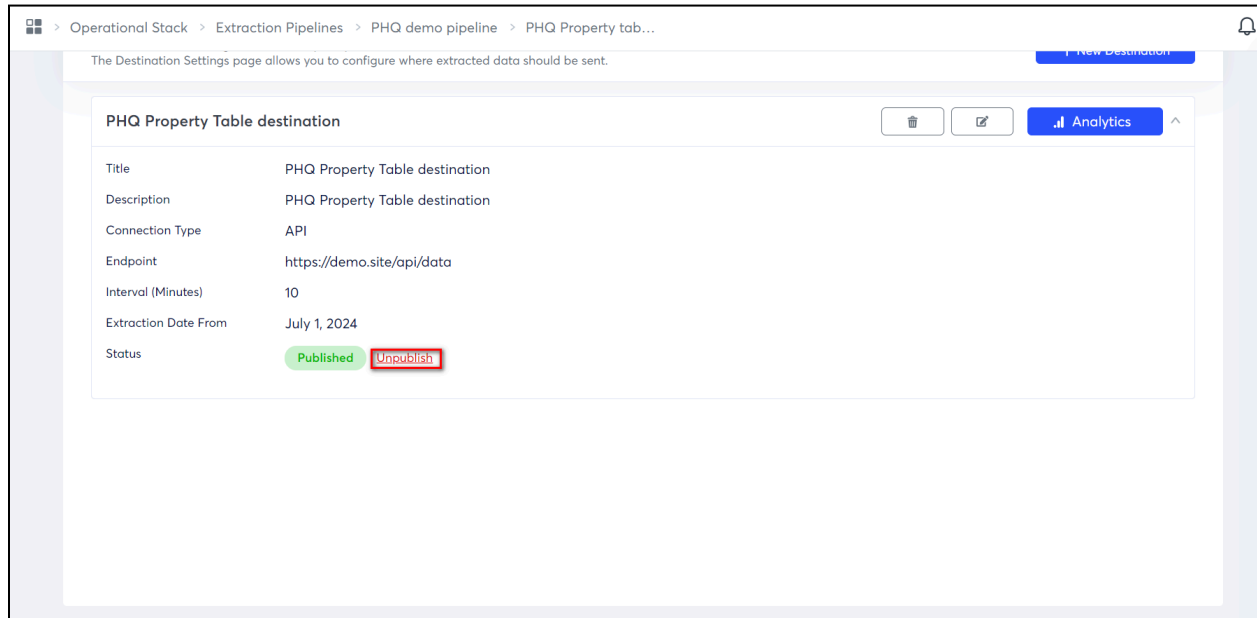
GroundFloor | Version: v2024.10.02T16.49.46 | All Rights Reserved 2024 © Terms Of Use | Privacy Policy

Unpublishing Destinations For This Extraction

Description: The "Unpublishing Destinations For This Extraction" feature provides users with the ability to revoke the publishing status of a destination within the Data Extraction system. Unpublishing ensures that data will no longer be transferred to the specified destination, offering control and flexibility in managing data flows within the Data Extraction system.

Steps:

- If a destination's status is published by clicking "**Unpublish**", the destination will be unpublished.



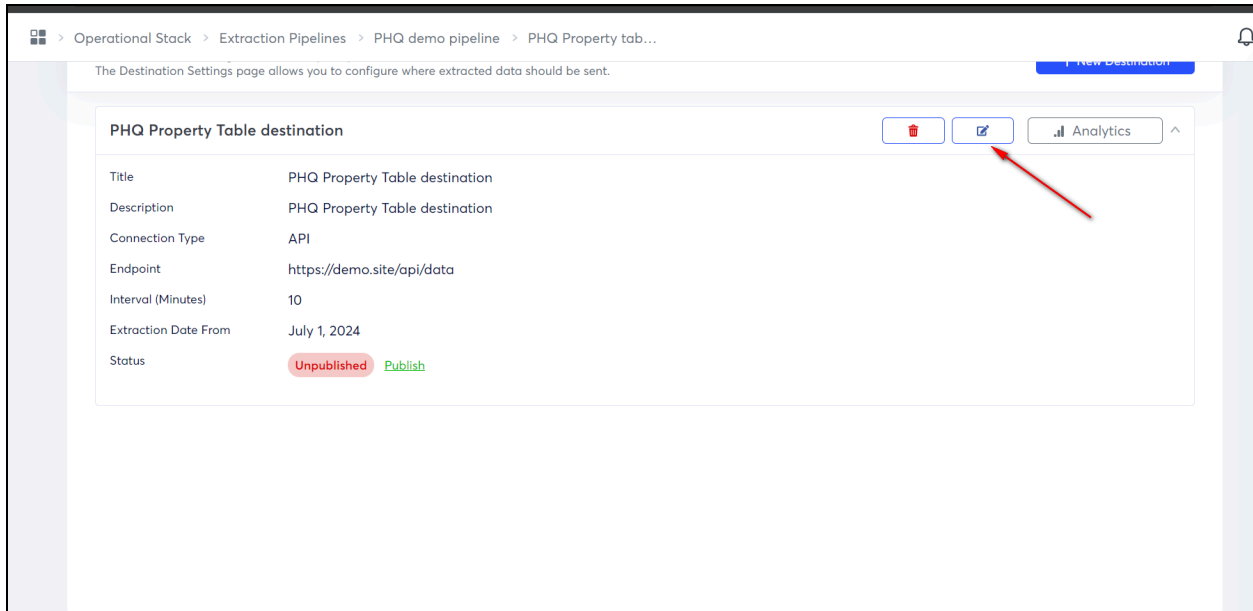
- After clicking the button, the destination will unpublish.

Edit Destination:

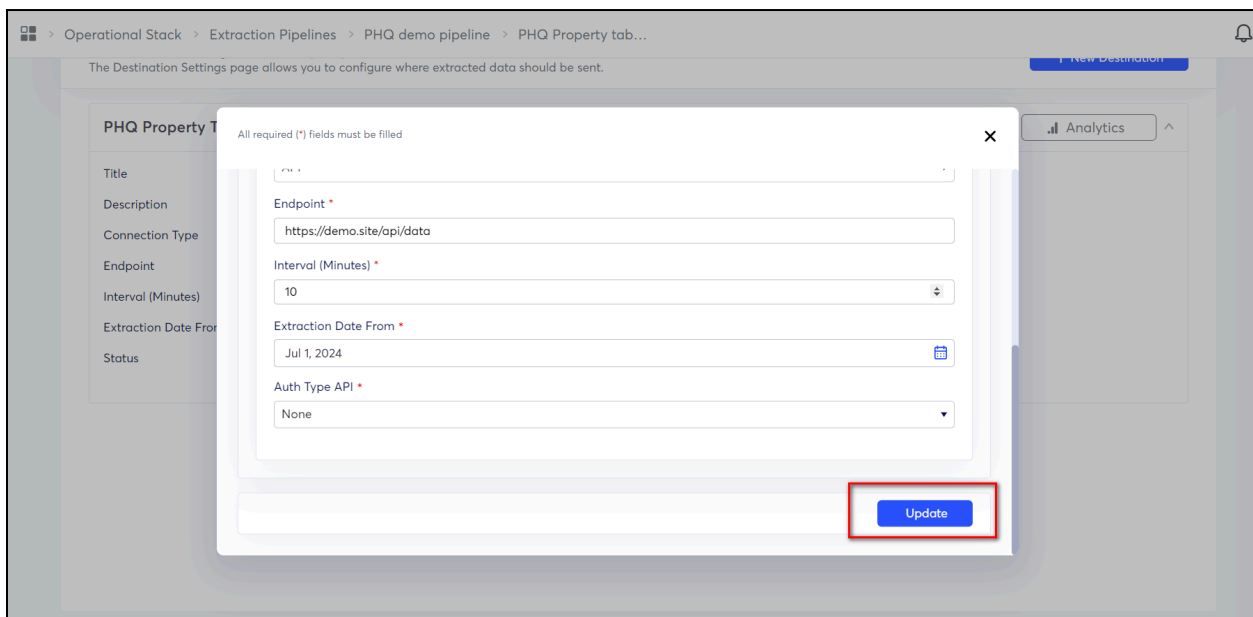
Description: The "Edit Destination" feature in the Data Extraction system allows users to modify the configurations of a destination. This user-friendly feature ensures that users have the flexibility to adapt and refine destination settings according to their evolving requirements within the Data Extraction system.

Steps:

- First **Unpublish** the destination.
- Make necessary changes in the input fields.
- Click on the "**Edit icon**" button to save the changes.



- A modal will appear.
- Modify the destination information
- Then click on the update button

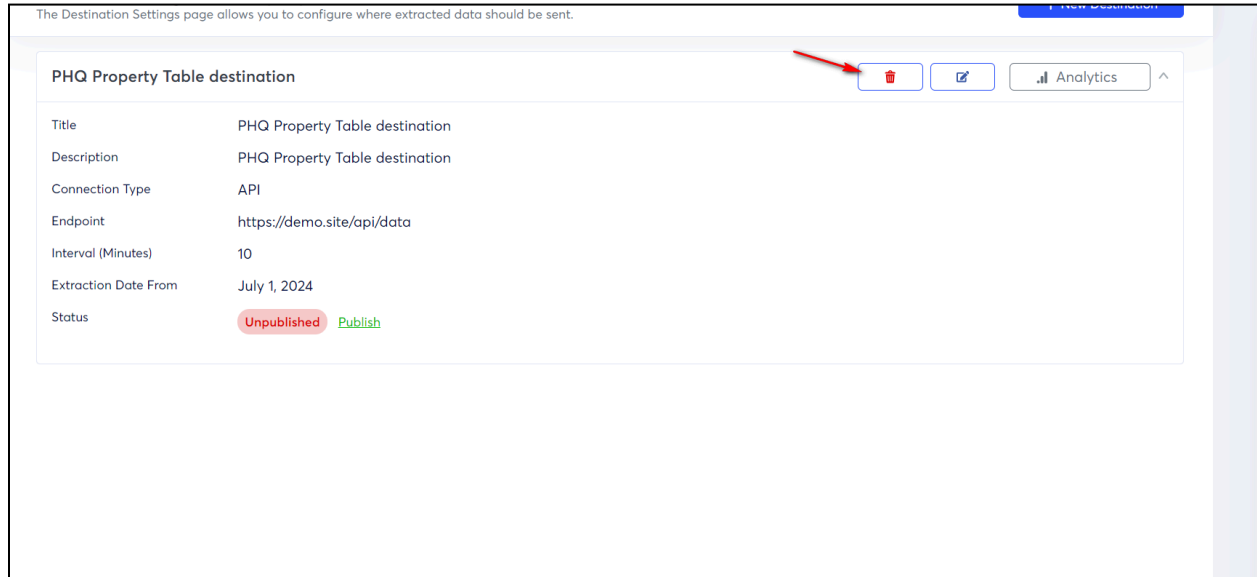


Delete Destination

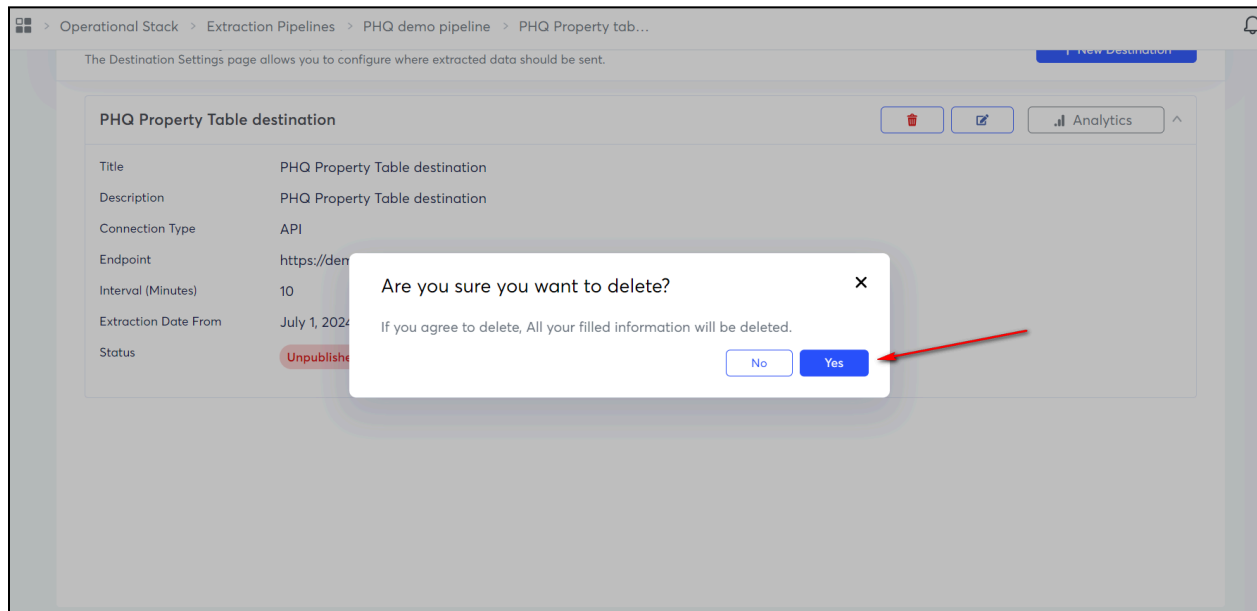
Description: The "Delete Destination" functionality in the Data Extraction system empowers users to efficiently remove a destination that is no longer needed. To delete a destination, users must first unpublish it. After unpublishing, users can click on the "Delete" button, initiating the deletion process. Deleting a destination ensures that the destination configuration is permanently removed from the system, streamlining the management of destinations within the Data Extraction system and maintaining a well-organized environment.

Steps:

- First **Unpublish** the destination.
- Click on the “**Delete**” button.



- Click on the “**Yes**” button to delete the destination.



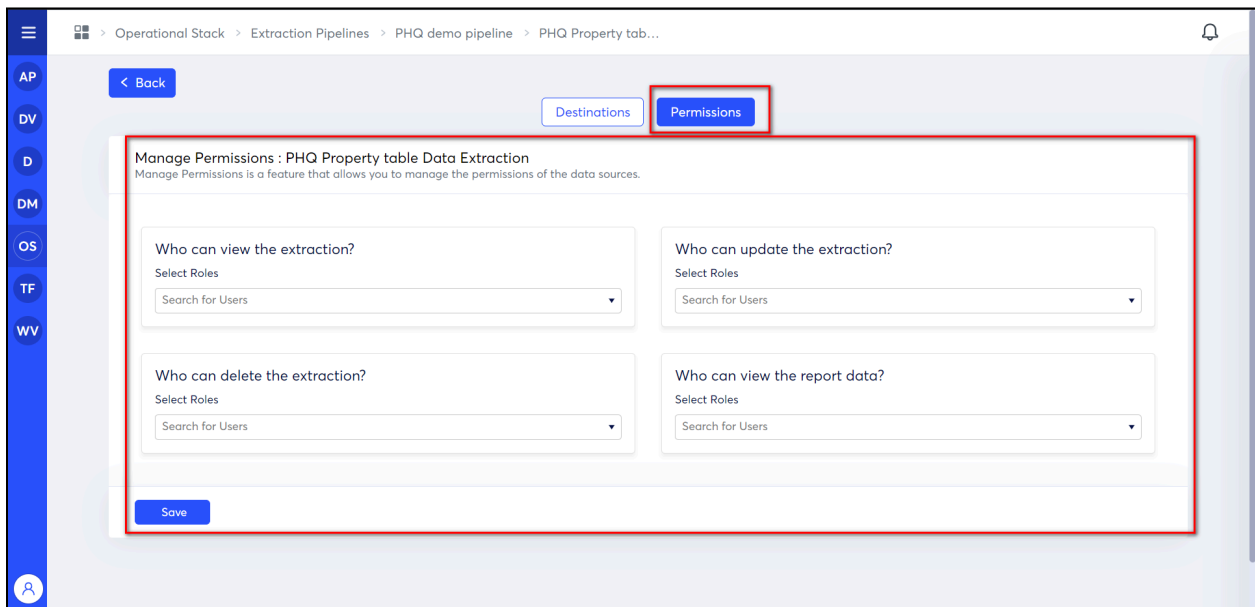
- The destination will be deleted.

Manage Permission to Destination

Description: The **Manage Permission to Destination** feature allows users to control access and define permissions for various actions related to the destination of extracted data. It provides a structured approach to determining who can view, update, delete, or access report data, ensuring that only authorized users can perform these actions within the system.

Permission Levels:

1. **Who can view the extraction?**
Defines the users or roles that are permitted to access and view the extraction details, ensuring visibility is restricted to authorized personnel.
2. **Who can update the extraction?**
Specifies which users have the ability to modify or update the extraction, controlling who can make changes to the extraction process and settings.
3. **Who can delete the extraction?**
Grants permission to delete an extraction, allowing only selected users to remove extractions from the system.
4. **Who can view the report data?**
Determines which users or roles can access the report data generated from the extraction, ensuring that sensitive information is only available to authorized individuals.



The screenshot displays the 'Manage Permissions' configuration page for the 'PHQ Property table Data Extraction'. The page is titled 'Manage Permissions : PHQ Property table Data Extraction' and includes a subtitle: 'Manage Permissions is a feature that allows you to manage the permissions of the data sources.' The interface is divided into four sections, each with a title and a 'Select Roles' dropdown menu, followed by a 'Search for Users' input field. The sections are: 'Who can view the extraction?', 'Who can update the extraction?', 'Who can delete the extraction?', and 'Who can view the report data?'. A 'Save' button is located at the bottom left of the form. The 'Permissions' tab is highlighted in the top navigation bar, and the 'Destinations' tab is also visible.

Process Log:

Description: The **Process Log Page** has been implemented to display both Process Logs and Activity Logs. Users can view detailed records of data ingestion and extraction activities, allowing for effective monitoring and tracking of all actions within the system. The logs are presented in a tabular format with the following columns:

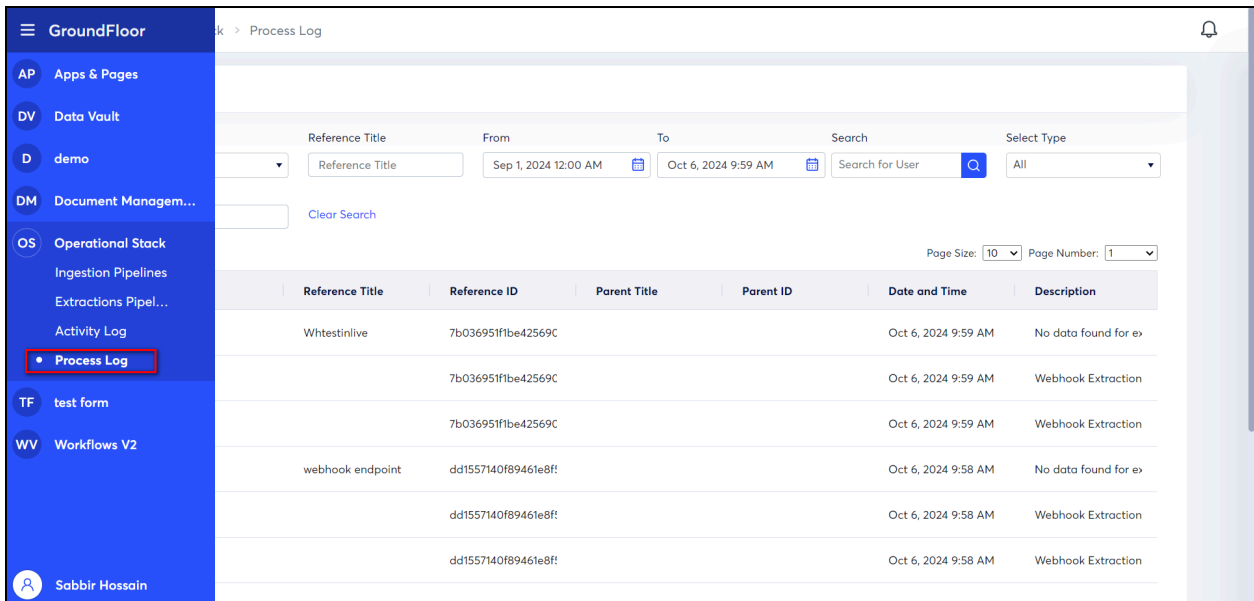
- **Application Name:** The name of the application that generated the log entry.

- **Reference Title:** A descriptive title related to the log entry.
- **Reference ID:** A unique identifier for the reference.
- **Parent Title:** The title of the parent process or activity associated with the log.
- **Parent ID:** The unique identifier for the parent process.
- **Date and Time:** The timestamp indicating when the log entry was created.
- **Description:** A brief explanation of the activity or process that occurred.
- **Data Count:** The number of data records processed in the event.
- **Exception:** Any errors or exceptions that occurred during the process.
- **User:** The username or ID of the individual who initiated the action.
- **Type:** The type of log entry (e.g., Process Log, Activity Log).
- **Event Title:** The title describing the specific event being logged.
- **Event ID:** A unique identifier for the event.
- **Log ID:** A unique identifier for the log entry itself.

This detailed information helps users track activities and identify any issues in the data processing workflow, facilitating efficient monitoring and management of system operations.

Steps:

1. Go to the Operational Stack application.
2. Click on the Process Log menu.



The screenshot shows the 'GroundFloor' application interface. The left sidebar contains a menu with categories: AP (Apps & Pages), DV (Data Vault), D (demo), DM (Document Management...), OS (Operational Stack), TF (test form), and WV (Workflows V2). Under the 'OS' category, 'Process Log' is highlighted. The main content area is titled 'Process Log' and features a search bar with fields for 'Reference Title', 'From' (Sep 1, 2024 12:00 AM), 'To' (Oct 6, 2024 9:59 AM), 'Search' (Search for User), and 'Select Type' (All). Below the search bar is a table with the following data:

Reference Title	Reference ID	Parent Title	Parent ID	Date and Time	Description
Whitestinlive	7b036951f1be42569C			Oct 6, 2024 9:59 AM	No data found for »
	7b036951f1be42569C			Oct 6, 2024 9:59 AM	Webhook Extraction
	7b036951f1be42569C			Oct 6, 2024 9:59 AM	Webhook Extraction
webhook endpoint	dd1557140f89461e8f!			Oct 6, 2024 9:58 AM	No data found for »
	dd1557140f89461e8f!			Oct 6, 2024 9:58 AM	Webhook Extraction
	dd1557140f89461e8f!			Oct 6, 2024 9:58 AM	Webhook Extraction

3. After clicking the menu, the **Process Log Page** will open.
4. Users can filter the logs to view specific data related to their chosen application.

Select App

Extraction

Log Id

Enter log Id

Reference Title

Reference Title

From

Sep 1, 2024 12:00 AM

To

Oct 6, 2024 9:59 AM

Search

Search for User

Select Type

All

Clear Search

Page Size: 10

Page Number: 1

App Name	Reference Title	Reference ID	Parent Title	Parent ID	Date and Time	Description
Extraction	Whitestinlive	7b036951f1be42569C			Oct 6, 2024 9:59 AM	No data found for ex
Extraction		7b036951f1be42569C			Oct 6, 2024 9:59 AM	Webhook Extraction
Extraction		7b036951f1be42569C			Oct 6, 2024 9:59 AM	Webhook Extraction
Extraction	webhook endpoint	dd1557140f89461e8f!			Oct 6, 2024 9:58 AM	No data found for ex
Extraction		dd1557140f89461e8f!			Oct 6, 2024 9:58 AM	Webhook Extraction
Extraction		dd1557140f89461e8f!			Oct 6, 2024 9:58 AM	Webhook Extraction

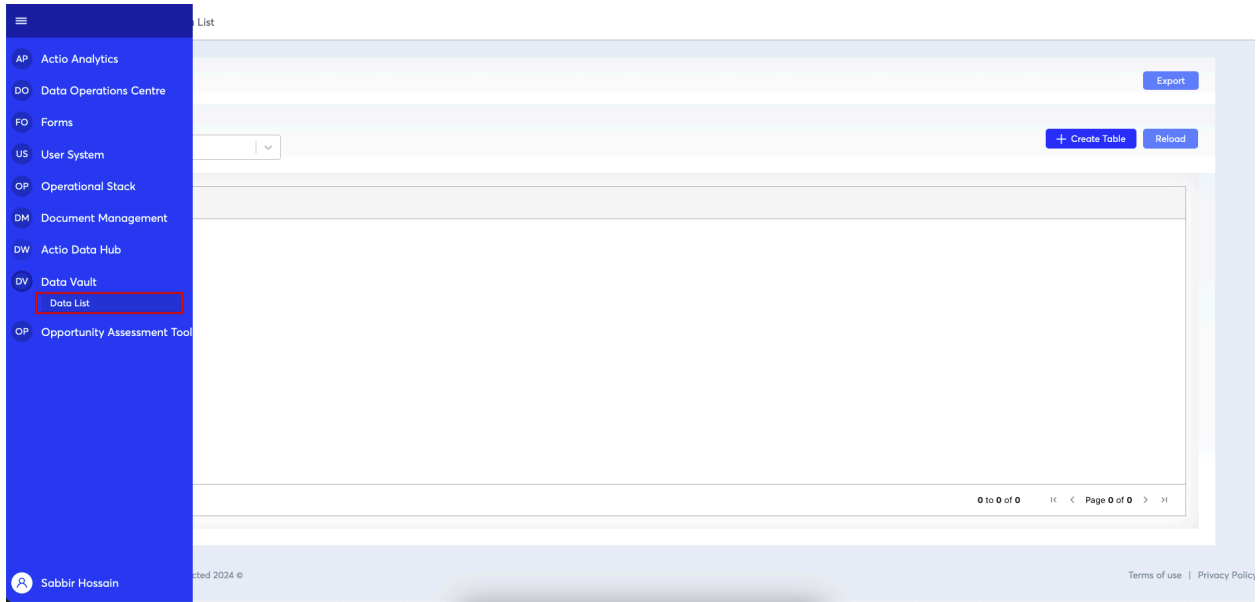
Data Vault:

Key Functionalities:

- Users can view MDM or CDM table data.
- Users can delete MDM or CDM table data.
- Users can download MDM or CDM table data.
- Users can download the MDM or CDM table sample file.
- Users can create a CDM table

Getting Started:

- Go to the Data Vault application
- Go to the Data List page

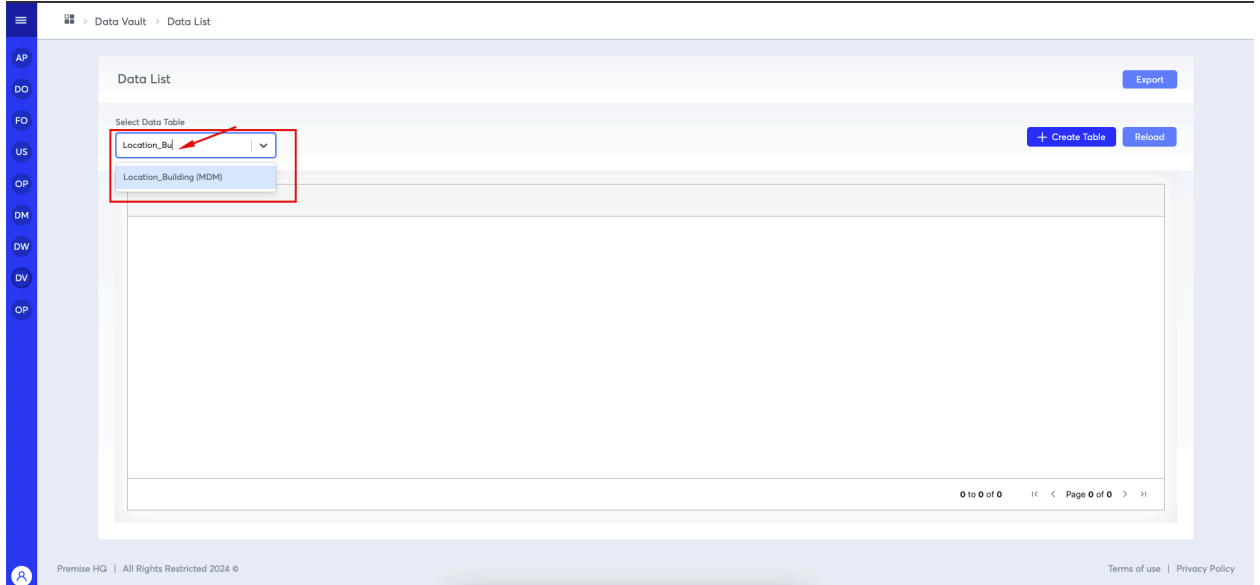


View the MDM or CMD table data:

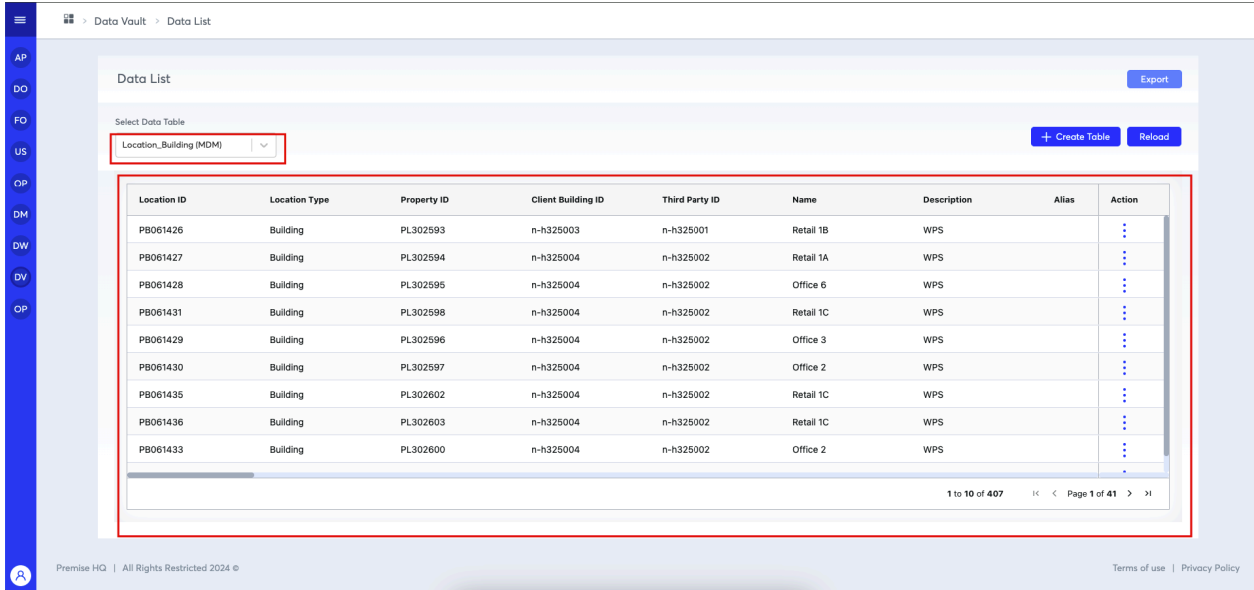
Description: Users can see the data from MDM or CDM tables by choosing the table from the dropdown field.

Steps:

- Search a table from the select table dropdown(ex: Location_building)



- Select the table
- Go to the table of summary



Data List

Select Data Table

Location_Building (MDM)

+ Create Table Reload

Location ID	Location Type	Property ID	Client Building ID	Third Party ID	Name	Description	Alias	Action
PB061426	Building	PL302593	n-h325003	n-h325001	Retail 1B	WPS		⋮
PB061427	Building	PL302594	n-h325004	n-h325002	Retail 1A	WPS		⋮
PB061428	Building	PL302595	n-h325004	n-h325002	Office 6	WPS		⋮
PB061431	Building	PL302598	n-h325004	n-h325002	Retail 1C	WPS		⋮
PB061429	Building	PL302596	n-h325004	n-h325002	Office 3	WPS		⋮
PB061430	Building	PL302597	n-h325004	n-h325002	Office 2	WPS		⋮
PB061435	Building	PL302602	n-h325004	n-h325002	Retail 1C	WPS		⋮
PB061436	Building	PL302603	n-h325004	n-h325002	Retail 1C	WPS		⋮
PB061433	Building	PL302600	n-h325004	n-h325002	Office 2	WPS		⋮

1 to 10 of 407 < > Page 1 of 41 >

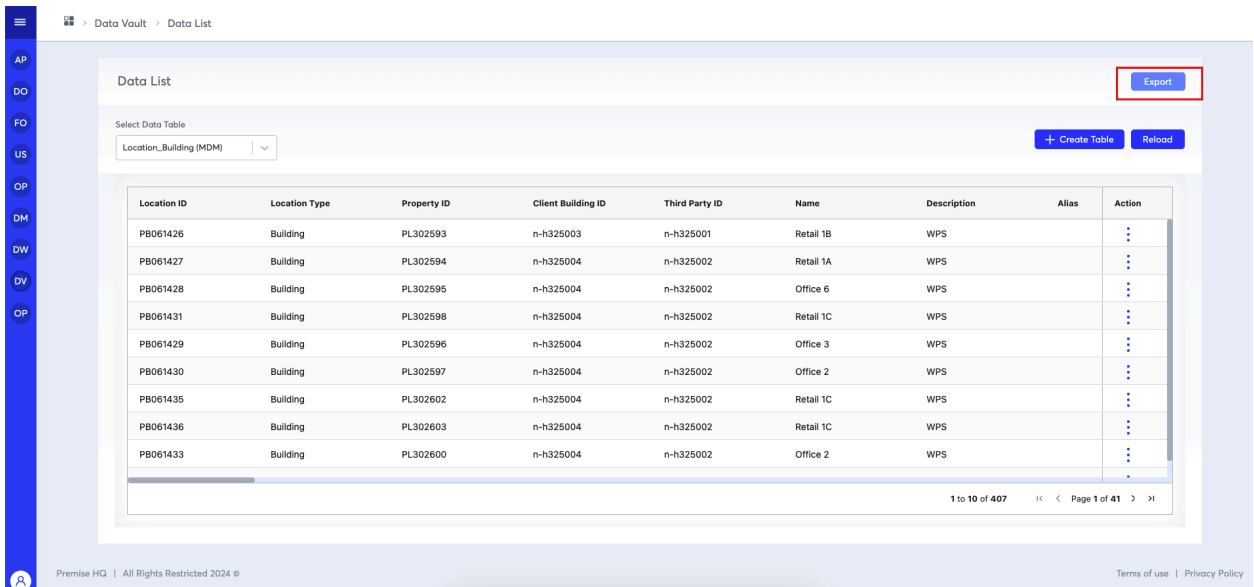
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Export the MDM or CMD table data:

Description: To download data from MDM or CDM tables, users must first select and load the data of the desired table before exporting it.

Steps :

- Click on the Export button.



Data List

Select Data Table

Location_Building (MDM)

+ Create Table Reload

Export

Location ID	Location Type	Property ID	Client Building ID	Third Party ID	Name	Description	Alias	Action
PB061426	Building	PL302593	n-h325003	n-h325001	Retail 1B	WPS		⋮
PB061427	Building	PL302594	n-h325004	n-h325002	Retail 1A	WPS		⋮
PB061428	Building	PL302595	n-h325004	n-h325002	Office 6	WPS		⋮
PB061431	Building	PL302598	n-h325004	n-h325002	Retail 1C	WPS		⋮
PB061429	Building	PL302596	n-h325004	n-h325002	Office 3	WPS		⋮
PB061430	Building	PL302597	n-h325004	n-h325002	Office 2	WPS		⋮
PB061435	Building	PL302602	n-h325004	n-h325002	Retail 1C	WPS		⋮
PB061436	Building	PL302603	n-h325004	n-h325002	Retail 1C	WPS		⋮
PB061433	Building	PL302600	n-h325004	n-h325002	Office 2	WPS		⋮

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Note: After clicking the export button, the file will export and user can see the exporting file on the Document Management Application.

Download the MDM or CMD table sample file:

Description: Users can download a sample file by clicking the "Download Sample" button. This sample file serves as a template for ingesting data through an Excel file. However, users must ensure they have selected the specific table they want to download the sample file for.

Steps :

- Click on the Download Sample button
- After clicking the button the sample file will download successfully.

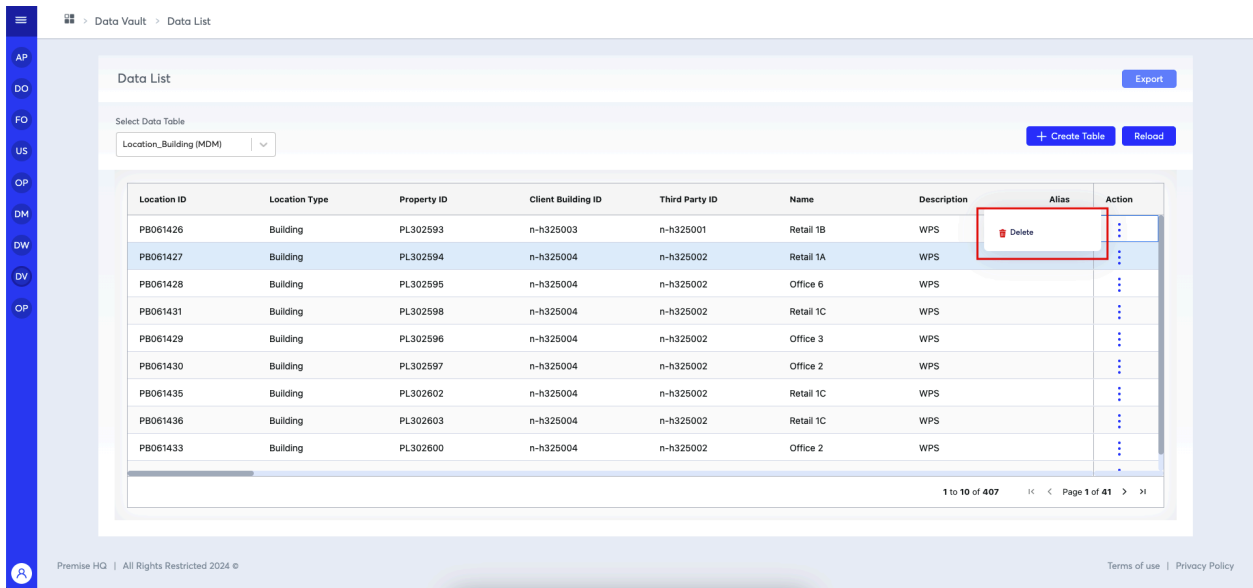
Note: This feature is not available right now. It will be implemented later

Delete the MDM or CMD table data:

Description: Users can delete data from either the MDM or CDM table by following the provided steps outlined below.

Steps:

- Select the table from the select dropdown
- Go to table of summary
- Click on the Action menu (three dots menu) on the right side of the field.
- Click the **Delete** option.



The screenshot shows the 'Data List' interface. At the top, there's a breadcrumb 'Data Vault > Data List' and an 'Export' button. Below that, a 'Select Data Table' dropdown is set to 'Location_Building (MDM)'. To the right are '+ Create Table' and 'Reload' buttons. The main table has columns: Location ID, Location Type, Property ID, Client Building ID, Third Party ID, Name, Description, Alias, and Action. The first row is highlighted, and a red box in the 'Action' column shows a 'Delete' option. The table footer indicates '1 to 10 of 407' and 'Page 1 of 41'.

Create the MDM or CMD table:

Description: With this functionality, users can effortlessly establish a CDM table to cater to their specific requirements, showcasing the flexibility and convenience embedded in this feature. This empowers users to seamlessly create and customize CDM tables to better suit their data management needs.

Steps:

- Click the "Create Table" button.

AP
DO
FO
US
OP
DM
DW
DV
OP

Data Vault > Data List

Data List

Export

Select Data Table

Location_Building (MDM) ▼

[+ Create Table](#) [Reload](#)

Location ID	Location Type	Property ID	Client Building ID	Third Party ID	Name	Description	Alias	Action
PB061426	Building	PL302593	n-h325003	n-h325001	Retail 1B	WPS		⋮
PB061427	Building	PL302594	n-h325004	n-h325002	Retail 1A	WPS		⋮
PB061428	Building	PL302595	n-h325004	n-h325002	Office 6	WPS		⋮
PB061431	Building	PL302598	n-h325004	n-h325002	Retail 1C	WPS		⋮
PB061429	Building	PL302596	n-h325004	n-h325002	Office 3	WPS		⋮
PB061430	Building	PL302597	n-h325004	n-h325002	Office 2	WPS		⋮
PB061435	Building	PL302602	n-h325004	n-h325002	Retail 1C	WPS		⋮
PB061436	Building	PL302603	n-h325004	n-h325002	Retail 1C	WPS		⋮
PB061433	Building	PL302600	n-h325004	n-h325002	Office 2	WPS		⋮

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- Navigate to the table creation page.
- Input a table name.(ex: profile)
- Provide a table display name.(ex: Company Profile)
- Choose a type from the dropdown, which includes two options:
 - Data Table
 - Reference Table

AP
DO
FO
US
OP
DM
DW
DV
OP

Data Vault > Data List > Create Table

Create New Table

[Back to List](#)

Table Information

Table Name *
profile

Display Name *
Company Profile

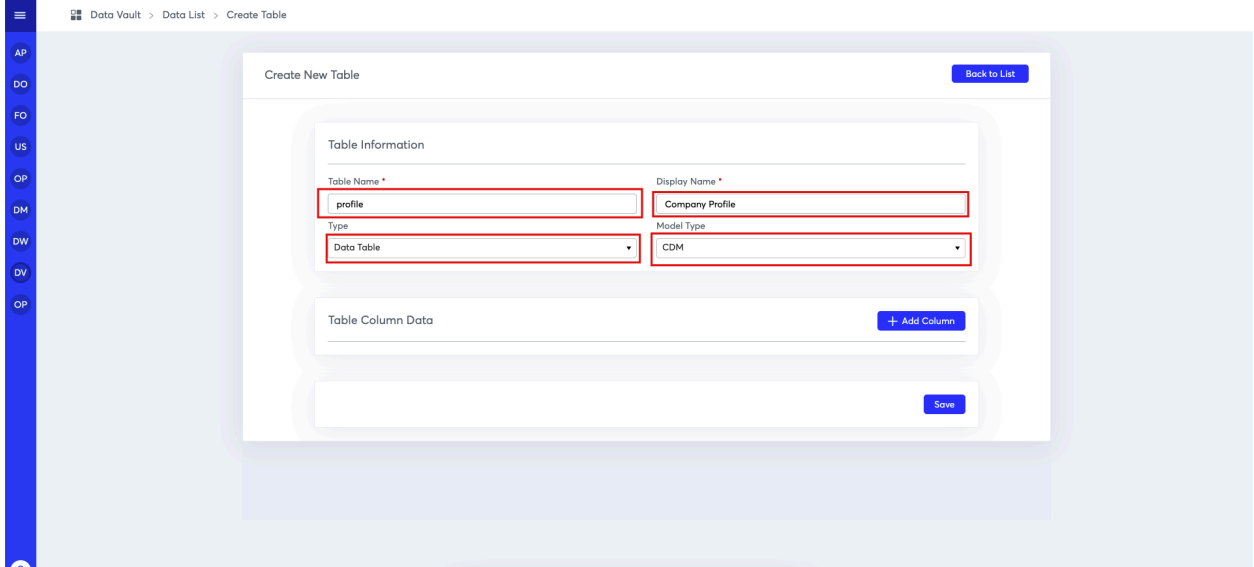
Type
Data Table ▼

Model Type
CDM ▼

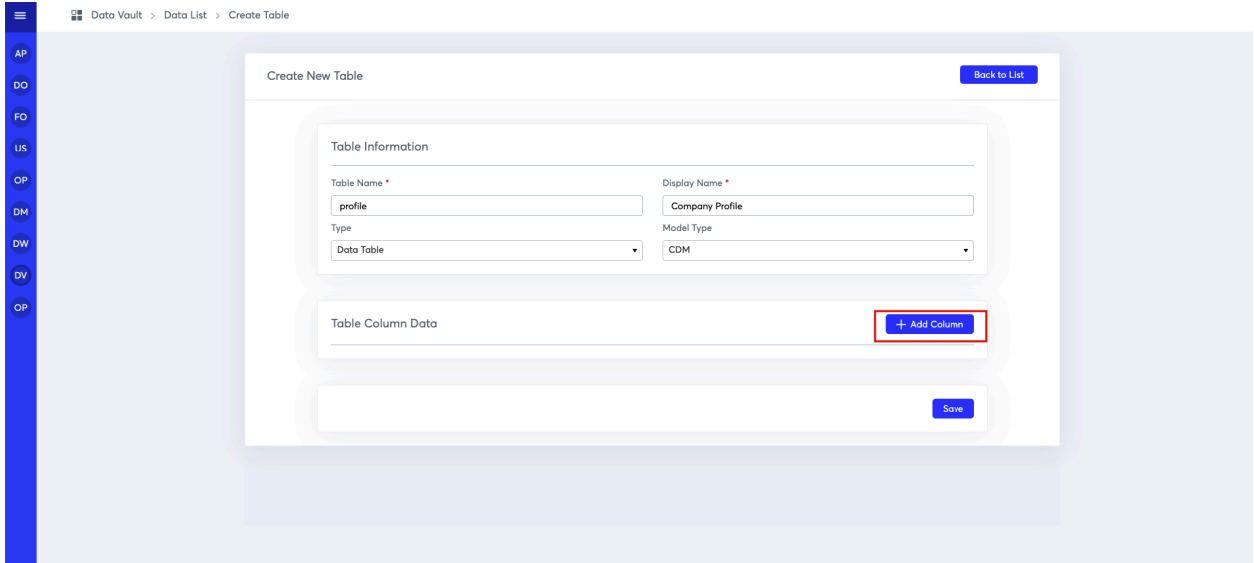
[+ Add Column](#)

[Save](#)

- Select the model type as CDM.



- Click on the "Add Column" button.



- Input the column label. (ex: id)
- Enter the display name for the column.(ex: Id)
- Check the primary checkbox
- Choose a data type from the dropdown, offering four options:
 - Number
 - String
 - Boolean
 - Date and Time

Data Vault > Data List > Create Table

Create New Table

[Back to List](#)

Table Information

Table Name * Display Name *

Type Model Type

Table Column Data [+ Add Column](#)

Column Label *	Display Name *	☐ Required ☒ Primary ☐ Auto Generate	Data Type
id	Id		Number - Number - String - Boolean - Date and Time

- Select "String" from the data type dropdown.
- Check the Auto Generate checkbox. After checking the checkbox the Auto Format field will be visible.
- Enter the Auto Generate format (CP#####)

Data Vault > Data List > Create Table

Create New Table

[Back to List](#)

Table Information

Table Name * Display Name *

Type Model Type

Table Column Data [+ Add Column](#)

Column Label *	Display Name *	☐ Required ☒ Primary ☒ Auto Generate	Data Type	Auto Format
id	Id		String	CP#####

[Save](#)

- Click on the Add Column Button
- Check the required checkbox
- Input the column label. (ex: name)
- Enter the display name for the column.(ex: Name)
- Select string data type from the data type dropdown

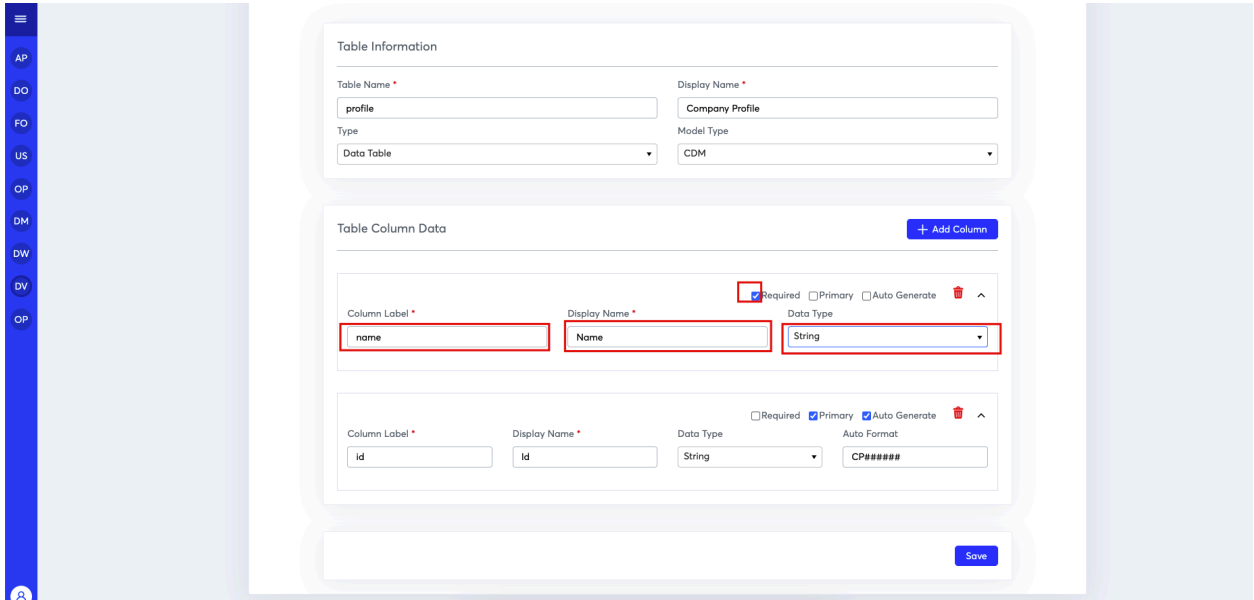


Table Information

Table Name * Display Name *

Type Model Type

Table Column Data [+ Add Column](#)

Column Label * Display Name * Data Type ☒ Required ☐ Primary ☐ Auto Generate [Delete](#) [Expand](#)

Column Label * Display Name * Data Type Auto Format ☐ Required ☒ Primary ☒ Auto Generate [Delete](#) [Expand](#)

[Save](#)

- Click on the Save button

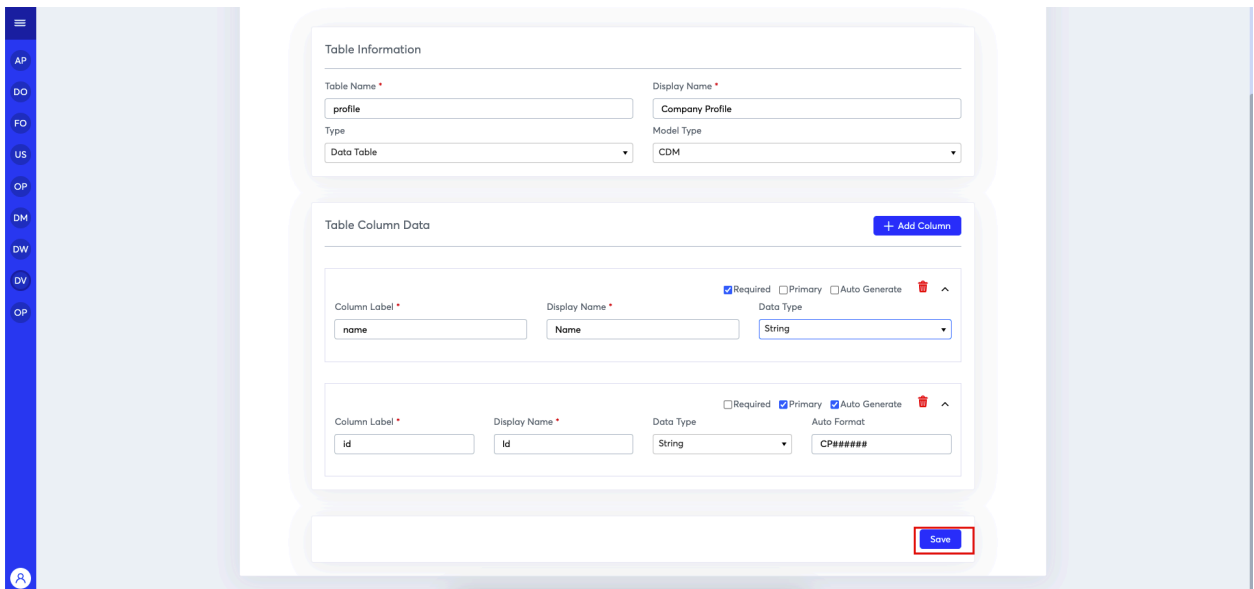


Table Information

Table Name * Display Name *

Type Model Type

Table Column Data [+ Add Column](#)

Column Label * Display Name * Data Type ☒ Required ☐ Primary ☐ Auto Generate [Delete](#) [Expand](#)

Column Label * Display Name * Data Type Auto Format ☐ Required ☒ Primary ☒ Auto Generate [Delete](#) [Expand](#)

[Save](#)

Note: After clicking the Save button, the table will be created successfully and the user can use the table.