

# How to link an asset to a maintenance plan from Fracttal Hub?

[help.fracttal.com/hc/en-us/articles/37555734218893-How-to-link-an-asset-to-a-maintenance-plan-from-Fracttal-Hub](https://help.fracttal.com/hc/en-us/articles/37555734218893-How-to-link-an-asset-to-a-maintenance-plan-from-Fracttal-Hub)

Fracttal Hub allows you to associate assets with maintenance plans in bulk from Google Sheets. For the upload to be valid, the asset must not be linked to another plan, must be a location, equipment, or tool, and the plan cannot include triggers or subtasks with meter readings.

## Step 1: Access the Google Cloud Console

Communication between Fracttal and Google Sheets is securely done via a service account.

1. Access the Google Cloud Console.
2. In the navigation menu, go to **IAM & admin > Service accounts**.

The screenshot shows the Google Cloud Console interface. At the top, there's a banner for a free trial. Below it, the navigation menu on the left has 'IAM and administrator' selected, and 'Service accounts' is highlighted. The main content area shows 'Service accounts' for the 'Fracttal One - Helpcenter' project. It includes a table with one service account: 'crear-equipos@fracttal-one-helpcenter.iam.gserviceaccount.com'.

<input type="checkbox"/>	E-mail	Status	Name ↑	Description	Key code	Actions
<input type="checkbox"/>	<a href="mailto:crear-equipos@fracttal-one-helpcenter.iam.gserviceaccount.com">crear-equipos@fracttal-one-helpcenter.iam.gserviceaccount.com</a>	Enabled	Create Teams		78df830c67e266e185b2a202caea908b7a57cc	

### 3. Click on + CREATE SERVICE ACCOUNT.

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IAM and administrator / Service accounts

Service accounts [+ Create service account](#) Delete Manage access To update Learn more

Service accounts for the "Fractal One - Helpcenter" project

A service account represents a Google Cloud service identity, such as code running on Compute Engine VMs, App Engine applications, or systems running outside of Google. [Learn more about service accounts.](#)

Organization policies can be used to secure service accounts and block risky service account features such as automatic IAM Grants, key creation/upload, or the creation of service accounts entirely. [Learn more about service account organization policies.](#)

Filter Insira o nome ou o valor da propriedade

<input type="checkbox"/>	E-mail	Status	Name ↑	Description	Key code	Actions
<input type="checkbox"/>	<a href="mailto:crear-equipos@fractal-one-helpcenter.iam.gserviceaccount.com">crear-equipos@fractal-one-helpcenter.iam.gserviceaccount.com</a>	Enabled	Create Teams		78df830c67e266e185b2a202caea908b7a57cc	

### 4. Assign a name to the service account that is easy to identify, for example: **associate-asset-maintenance-plan**.

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IAM and administrator / Service accounts / Criar conta de serviço

Create service account

1 Create service account

Service Account Name  
Asociar activo a un plan de mtto

Display name for this service account

Service Account ID \*  
asociar-activo-a-un-plan-de-mt

Email Address: <id>@fractal-one-helpcenter.iam.gserviceaccount.com

Service Account Description  
Describe how the service account will be used

Create and continue

2 Permissions(optional)

3 Main with access(optional)

Conclude Cancel

5. Click on **DONE** to create the account without setting additional permissions.

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IAM and administrator / Service accounts / Criar conta de serviço

IAM  
PAM  
Main access limit  
Organizations  
Identity and organization  
Policy Problem Solver  
Policy Analyzer  
Organization policies  
**Service accounts**  
Workload Identity Fede...  
Employee Identity Fede...  
Labels  
Tags  
Settings  
Privacy and security  
Identity-Aware Proxy  
Manage resources  
Release Notes

Create service account

1 Create service account

Service Account Name  
Asociar activo a un plan de mtto

Display name for this service account

Service Account ID \*  
asociar-activo-a-un-plan-de-mt X

Email Address: <id>@fractal-one-helpcenter.iam.gserviceaccount.com

Service Account Description  
Describe how the service account will be used

Create and continue

2 Permissions(optional)

3 Main with access(optional)

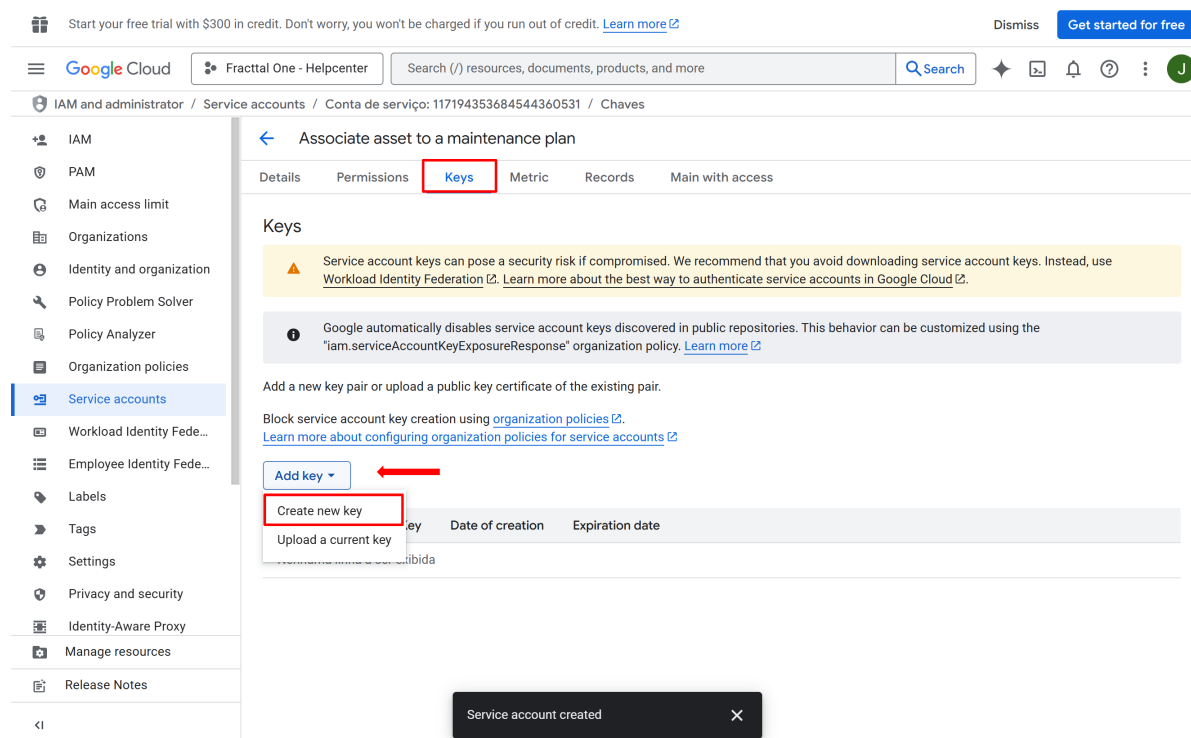
Conclude Cancel

## Step 2: Generate and download the service account key

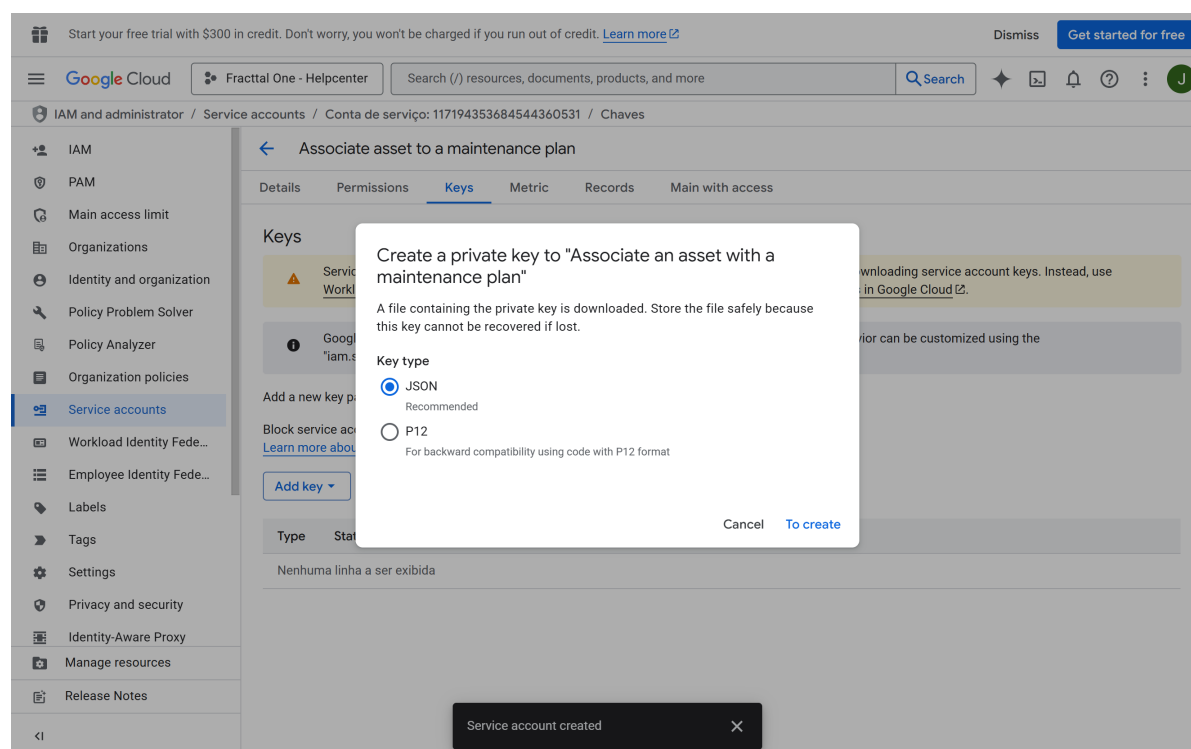
For Fractal to authenticate, it is necessary to generate a private key for the service account.

1. In the list of service accounts, click on the email of the account you just created.
2. Go to the **KEYS** tab.

### 3. Click on **ADD KEY** and select **Create new key**.



### 4. Choose the key type **JSON** and click on **CREATE**.



### 5. A **.json** file will automatically download to your computer. Save this file in a safe place, as it contains the access credentials.

Now you need to grant permissions to the service account to access and edit your spreadsheet.

1. Open the `.json` file that you downloaded. Locate and copy the value of the `"client_email"` field.

```
iu/GJnbMTuPKUpPhPrRy\ntZCxNW/B3Rn5NDb+yCGFnsMhVHUqdolZgnaIpPwfxchw6Y9z13o
lbsETqWNNHo7R\nbZ1oTC05KsPs4eLr421Tf8jHbDR1VsGqZQchWq7XygebVsr4cyEkkLJVAo
GAcI4P\nfw7iK95IuZEQ0WnkRo6TS2MuYJ256ifdDiHMa4ZmbMuL43dXNLTO1lp78CtyiuC2\
nomIw9Kj8j9rebDHDOiLnU5Y7tZggInIXEs9bZsowkxbNz73s8h/QpLY2Oxb7KZFk\n5RA2nI
SubZYqV08TZ9N6alcwqmFxJ4XSkd3PFuECgYEAs5qjpCHYbQdRvj7yq5I5\n7rxFXxDOOv9WI
tW7/AlEkxAGnxDxTFGqXrytrCDsh7rC3s1xKmeKCnRJcto/KZDQ\nnNWgnXuk0uOu/GBkZjWgP
7aLR5E7j27IY/gpUEDsTQRxe+bQOayF/RB2ZTcbeEKyO\n5Q9oAXxNsVo6DiSMg8329K4=\n-
---END_PRIVATE_KEY---\n",
  "client_email": "asociar-activo-a-un-plan-de-mt@fracttal-one-
helpcenter.iam.gserviceaccount.com",
  "client_id": "117194353684544360531",
  "auth_uri": "https://accounts.google.com/o/oauth2/auth",
```

2. Open your spreadsheet in Google Sheets.
3. Click on the **Share** button (top right).
4. Paste the service account email in the share field.
5. Make sure to grant **Editor** permission.
6. Click on **Send**.

	B	C	D

Share

×

Add people and groups

---

asociar-activo-a-un-plan-de-mt@fracttal-one-helpcenter.iam.gserviceaccount.com

Editor

Message (optional)

---

Cancel

Send

## Step 4: Prepare the Google Sheets spreadsheet

The first row of your sheet must contain the exact headers (parameters) that Fracttal expects to receive.

1. Access the Fracttal API documentation to check the required parameters.
2. In the first row, insert the following headers:

id_tasks_plan	code_user	item_code	last_date_maintenance
284558	1928182192	HUB-001	2025-03-12T20:00:00-03

3. Fill in the following rows with the corresponding data:

- **id\_tasks\_plan**: ID of the task plan to which you want to associate the asset. You can find it in Fracttal.

- **code\_user**: Code of the user responsible for the transaction. Find it in *Catalogs > Human Resources*.
- **item\_code**: Code of the asset (equipment, location, etc.) you want to link. Find it in *Catalogs > Assets*.
- **last\_date\_maintenance**: Date of the last maintenance.

**Important:** The date format for `last_date_maintenance` must be `YYYY-MM-DDTHH:MM:SS-UTC`.

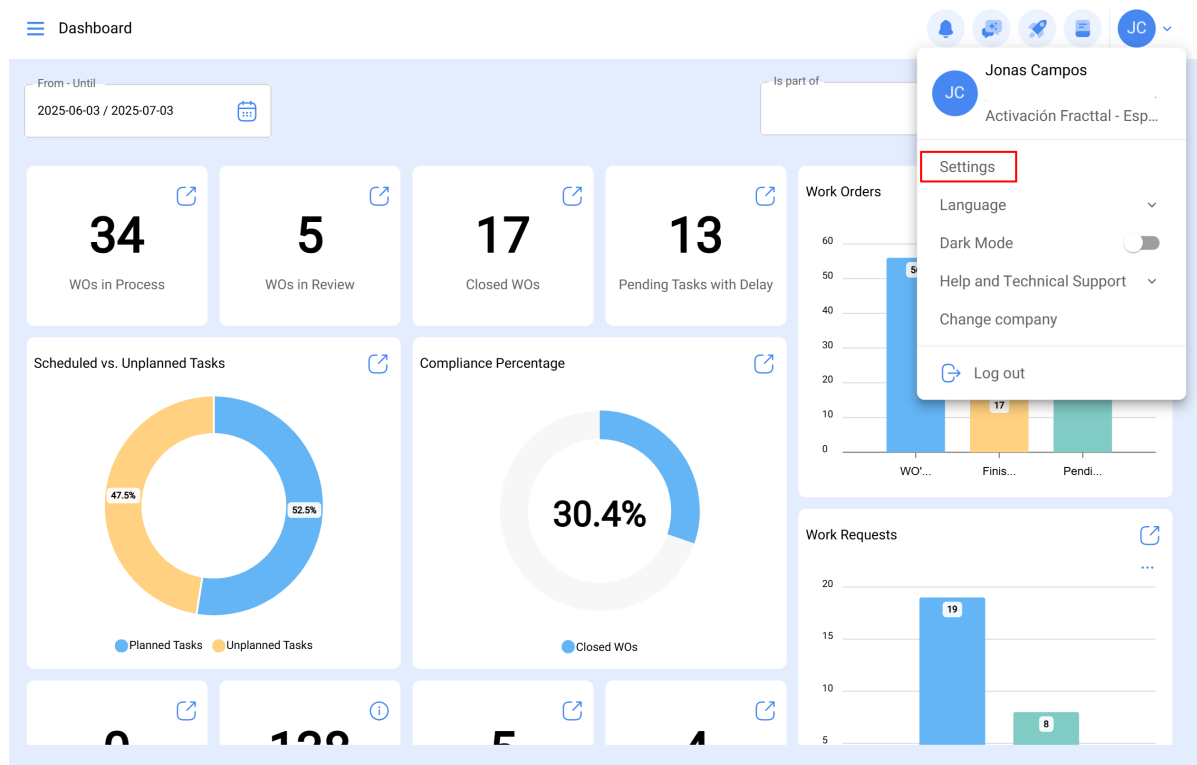
Copy the format from the API documentation to avoid errors.

## Step 5: Create the connection in Fracttal One

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Now we will configure the connection within Fracttal so it can use the service account credentials.

1. In Fracttal, navigate to **Settings > Auxiliary Catalogs > Connections**.

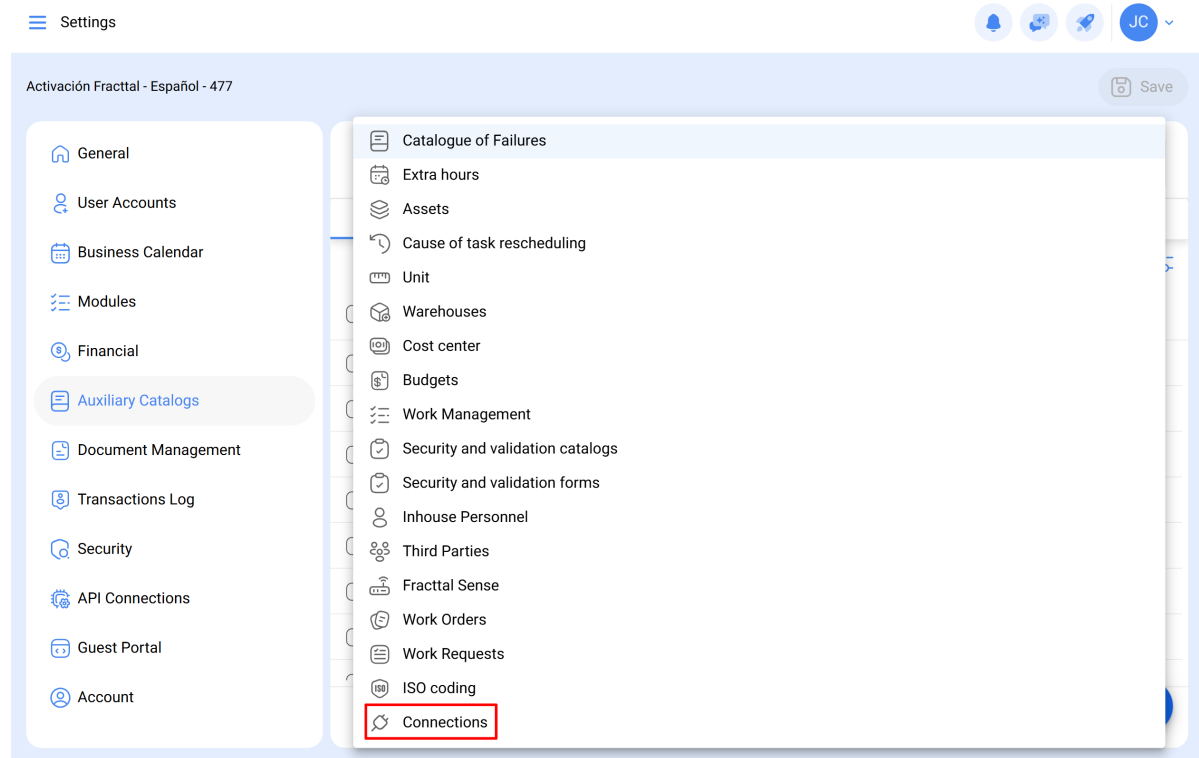


The settings page is titled 'Activación Fracttal - Español - 477'. The left sidebar contains a list of settings categories, with 'Auxiliary Catalogs' highlighted. The main content area shows the configuration for this catalog:

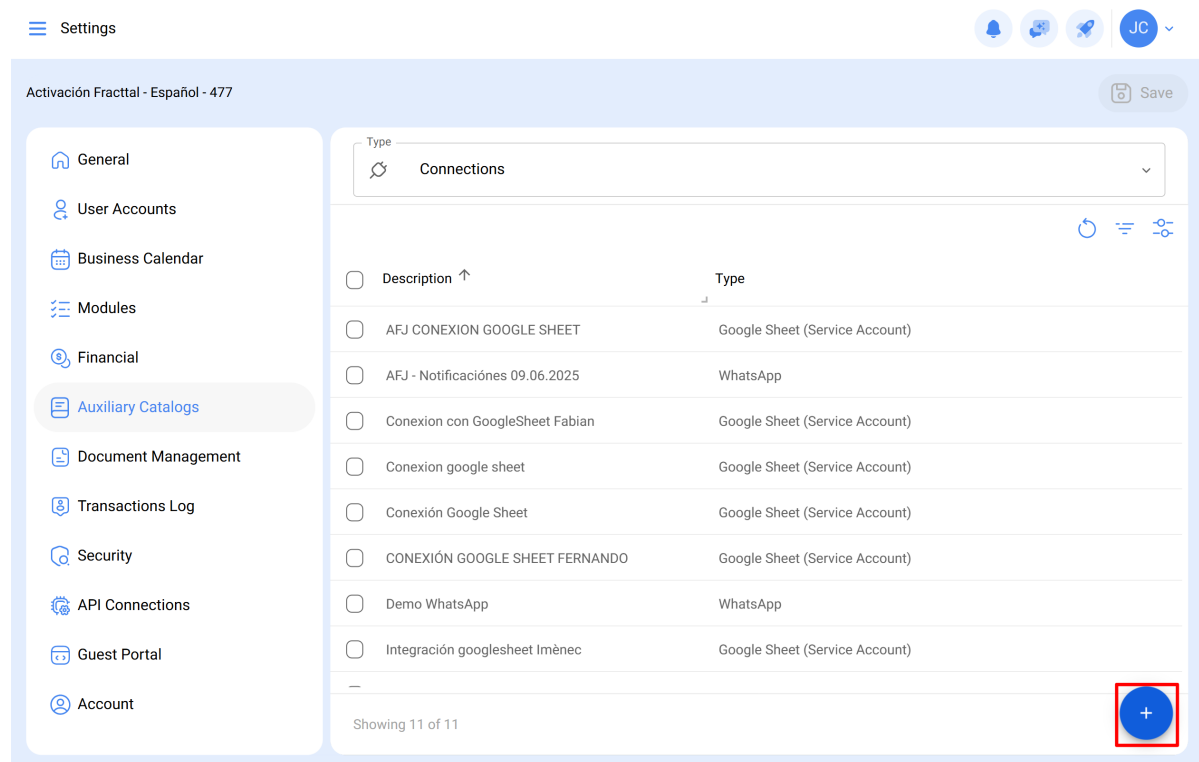
- General:** Includes fields for Code (RFC10829120), Name (Activación Fracttal - Español - 477), Email (contacto@fracttal.com), Currency (Chilean Peso), and Thousands separator (.).
- Address:** Includes fields for Address (Calle de San José Artesano, 12), City (Bogota), State (Cundinamarca), Country (Colombia), and Zip code (28108).
- Map:** A map showing the location of the catalog. The map includes a search bar, a red pin, and a label 'Inacap Apoquindo'. The map is powered by Google Maps.

The bottom of the page shows fields for Time zones UTC, Latitude, and Longitude.

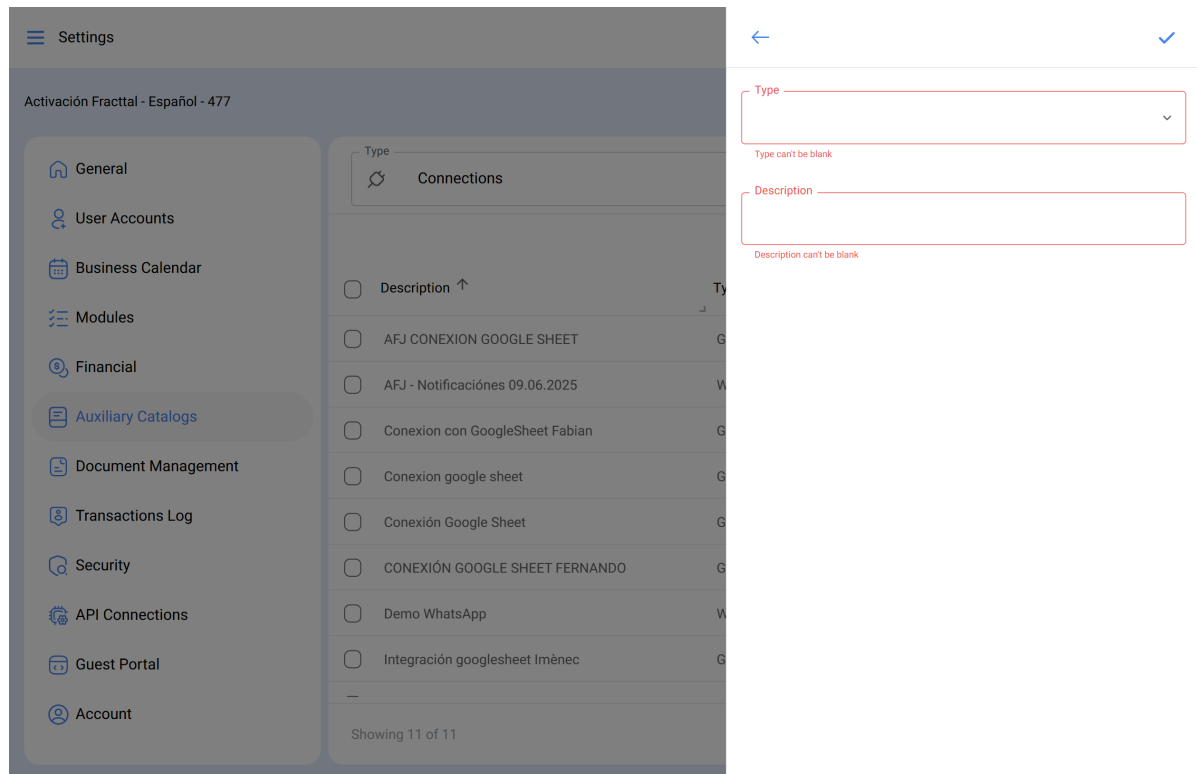




2. Click on the + icon to add a new connection.



### 3. Fill in the following fields:



Settings

Activación Fractal - Español - 477

General

User Accounts

Business Calendar

Modules

Financial

Auxiliary Catalogs

Document Management

Transactions Log

Security

API Connections

Guest Portal

Account

Connections

Type

Description ↑

AFJ CONEXION GOOGLE SHEET

AFJ - Notificaciones 09.06.2025

Conexion con GoogleSheet Fabian

Conexion google sheet

Conexión Google Sheet

CONEXIÓN GOOGLE SHEET FERNANDO

Demo WhatsApp

Integración googlesheet Imènc

Showing 11 of 11

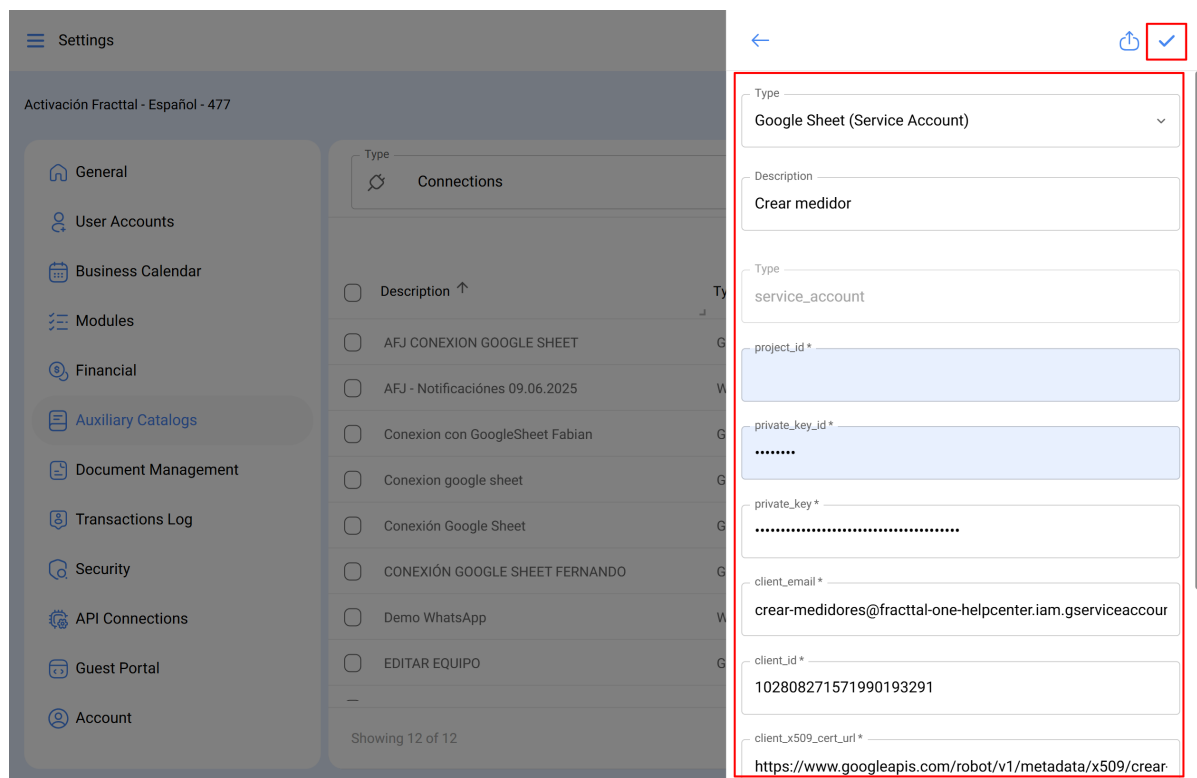
Type

Type can't be blank

Description

Description can't be blank

- **Type:** Select **Google Sheet (Service Account)**.
- **Description:** Assign a name to the connection:



Settings

Activación Fractal - Español - 477

General

User Accounts

Business Calendar

Modules

Financial

Auxiliary Catalogs

Document Management

Transactions Log

Security

API Connections

Guest Portal

Account

Connections

Type

Description ↑

AFJ CONEXION GOOGLE SHEET

AFJ - Notificaciones 09.06.2025

Conexion con GoogleSheet Fabian

Conexion google sheet

Conexión Google Sheet

CONEXIÓN GOOGLE SHEET FERNANDO

Demo WhatsApp

EDITAR EQUIPO

Showing 12 of 12

Type

Google Sheet (Service Account)

Description

Crear medidor

Type

service\_account

project\_id \*

private\_key\_id \*

private\_key \*

client\_email \*

crear-medidores@fractal-one-helpcenter.iam.gserviceaccount

client\_id \*

102808271571990193291

client\_x509\_cert\_url \*

https://www.googleapis.com/robot/v1/metadata/x509/crear

### 4. Open the downloaded .json file and copy/paste the content of the following fields into their respective places in the Fractal form:

- **private\_key**

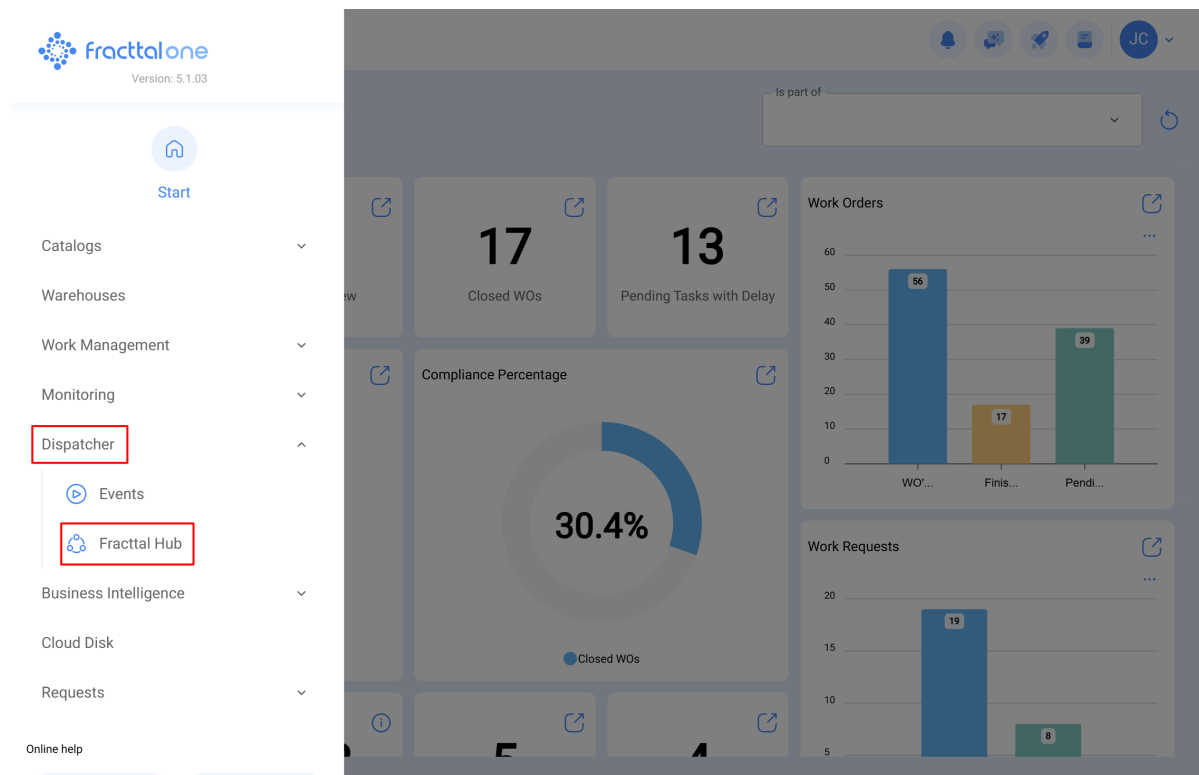
- `client_email`
- `client_id`
- `client_x509_cert_url`

5. Click on the ✓ icon to save and then on **Save**.

## Step 6: Configure the flow in Fracttal Hub

With the connection ready, the last step is to create the automation flow.

1. Navigate to the **Fracttal Hub** module.



## 2. Click on the + icon to create a new flow.

Fracttal Hub

Search...

Refresh Filter Settings

<input type="checkbox"/>	Enabled	Description	Last Date	Trigger
<input type="checkbox"/>	Yes	Notificación de nuevas órdenes de servicio de Whatsapp (P...	2025-07-02 12:54	Event
<input type="checkbox"/>	Yes	actualización de horometro	2024-11-22 18:15	Schedule
<input type="checkbox"/>	Yes	AFJ. 09.06.2025. Conex. Wpp	2025-06-09 09:57	Event
<input type="checkbox"/>	Yes	Lecturas fuera de Rango (Rangel)	2023-03-22 17:51	Event
<input type="checkbox"/> ▶	Yes	Consulta subtaeas Fracttal Fabian	2024-12-18 20:26	Manual
<input type="checkbox"/> ▶	Yes	Proyecto LCS 1212	2024-12-12 18:12	Manual
<input type="checkbox"/>	Yes	Lecturas fuera de rango	2023-03-22 17:51	Event
<input type="checkbox"/> ▶	Yes	webnar 2024	2024-12-17 23:06	Manual
<input type="checkbox"/>	Yes	Notificación de nuevas órdenes de servicio de Whatsapp (E...	2025-05-23 22:20	Event
<input type="checkbox"/>	No	Comunicación Fracttal One	2024-09-05 21:53	Event
<input type="checkbox"/> ▶	Yes	BODEGAS FAC - MEDIDORES	2025-01-20 16:56	Manual

Showing 14 of 14

+ (highlighted)

## 3. Add a **Description** for the flow:

Fracttal Hub

Save

Enabled ☒

**Required Information**

- Source configuration cannot be empty
- Target connection settings cannot be empty
- Mapping to destination configuration cannot be empty

**Flow settings**

Description

CREAR MEDIDOR

**Source**

Trigger

Source

**Filter**

Select One

**Target**

Connection

Settings

### Trigger configuration:

Click on **Trigger** and select the type **Manual**. This allows the flow to be executed whenever desired.

Fractal Hub

Enabled ☒

**Required Information**

- Source configuration cannot be empty
- Target connection settings cannot be empty
- Mapping to destination configuration cannot be empty

Flow

Execution history

Event queue

Flow settings

Description

CREAR MEDIDOR

Trigger

Source

Select One

Filter

Connection

Settings

Target

## Source configuration:

Fractal Hub

Enabled ☒

**Required Information**

- Source configuration cannot be empty
- Target connection settings cannot be empty
- Mapping to destination configuration cannot be empty

Flow

Execution history

Event queue

Flow settings

Description

CREAR MEDIDOR

Trigger

Source

Select One

Filter

Connection

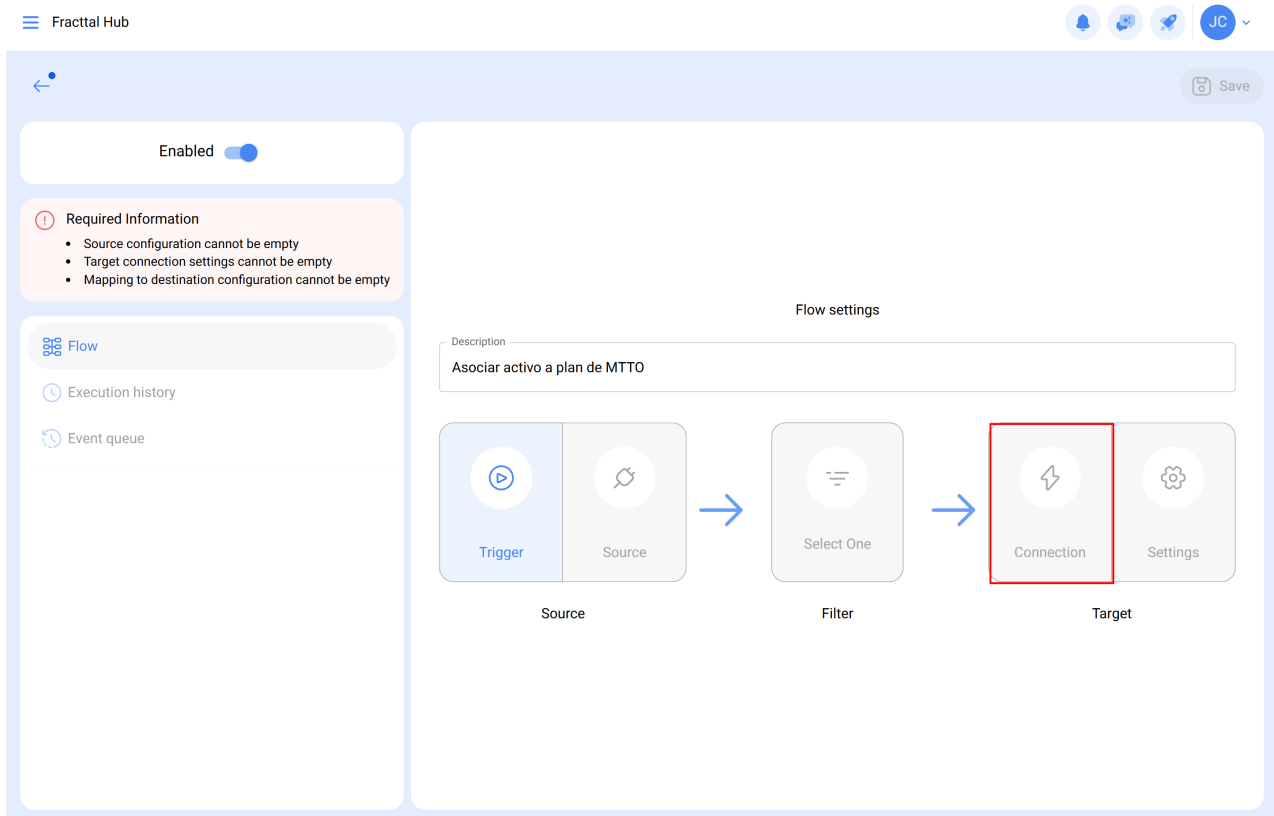
Settings

Target

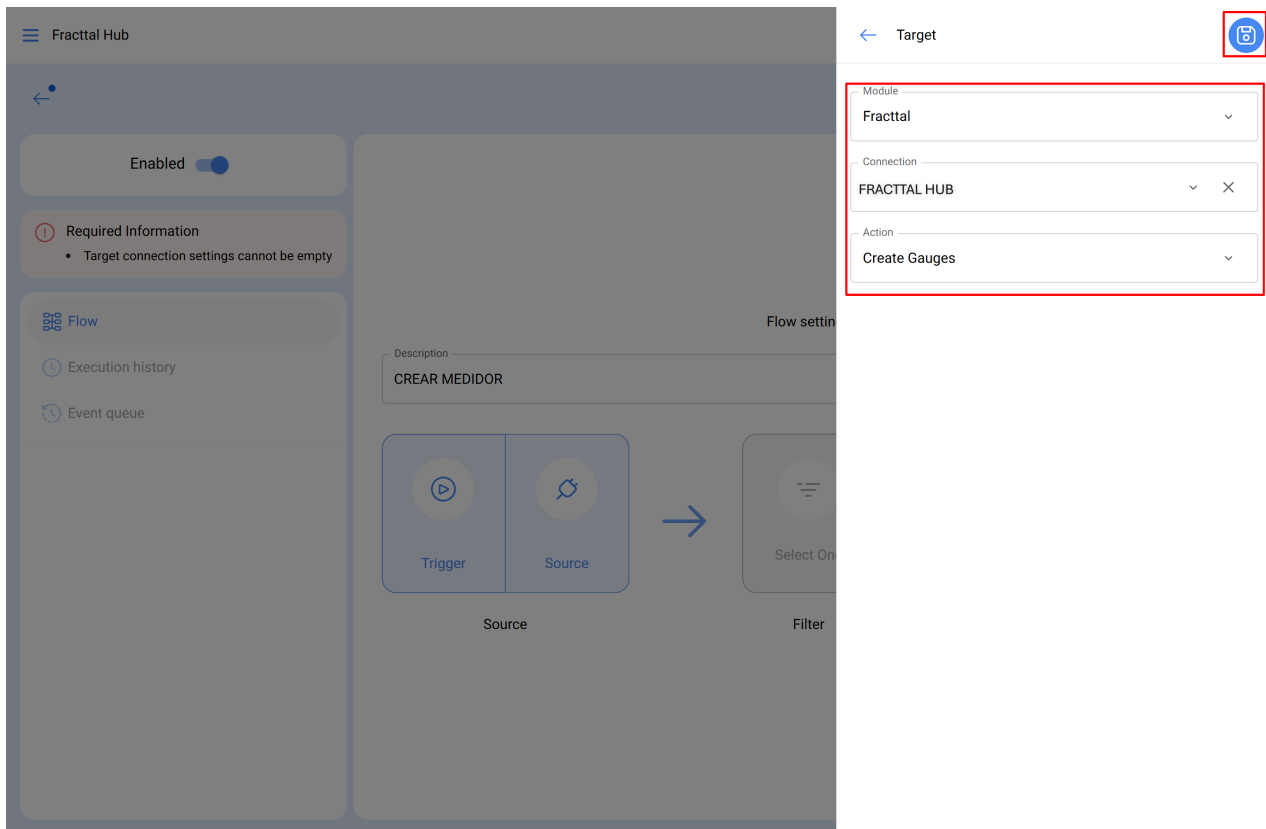
- Click on **Source**.
- Module**: Select **GoogleSheet**.
- Connection**: Select the connection created in the previous step.

- **Action:** Select **Read**.
- **spreadsheet\_id:** Copy the ID of your spreadsheet (you can find it in the URL, between **/d/** and **/edit/**).
- **sheet:** Write **0** to read the first tab.
- **Fields:** Add the names of the columns: *description*, *item\_code*, *unit\_code*, *is\_counter*.

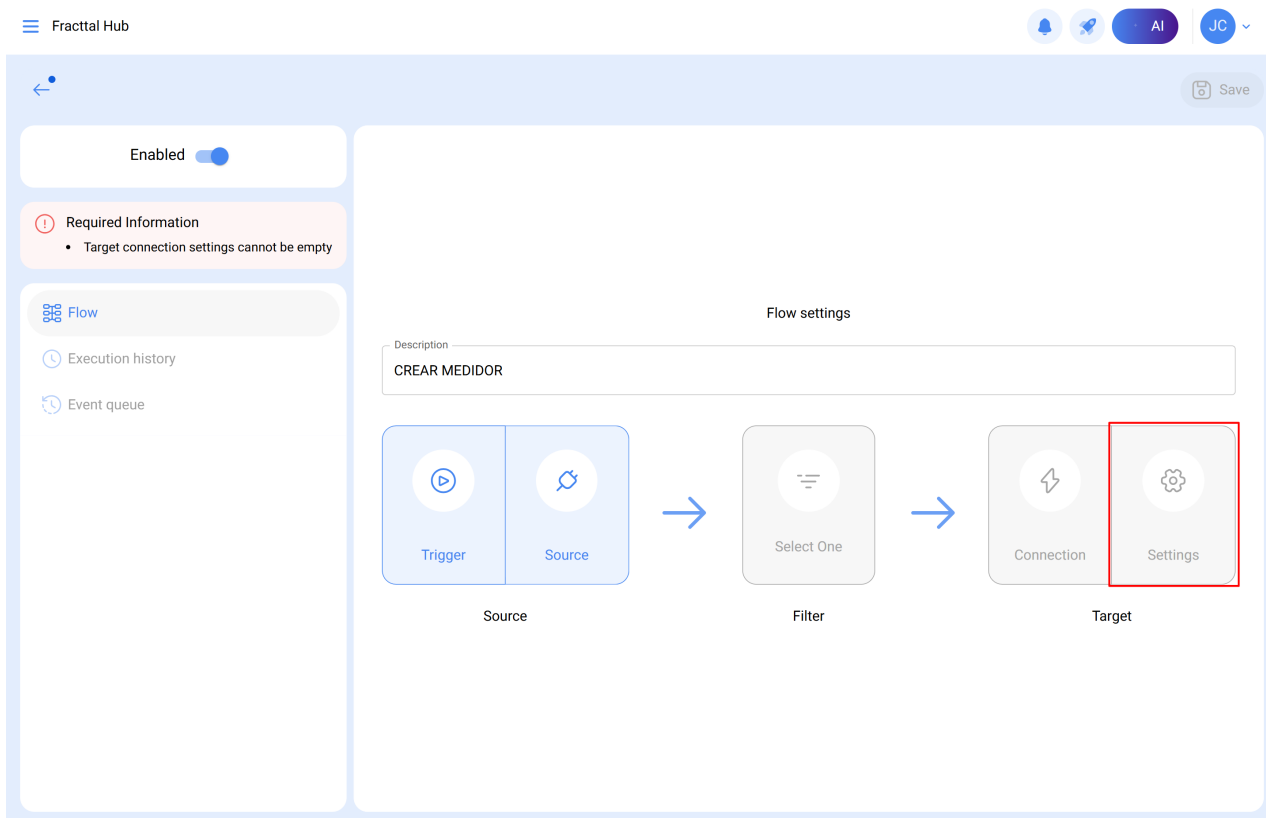
## Destination configuration:



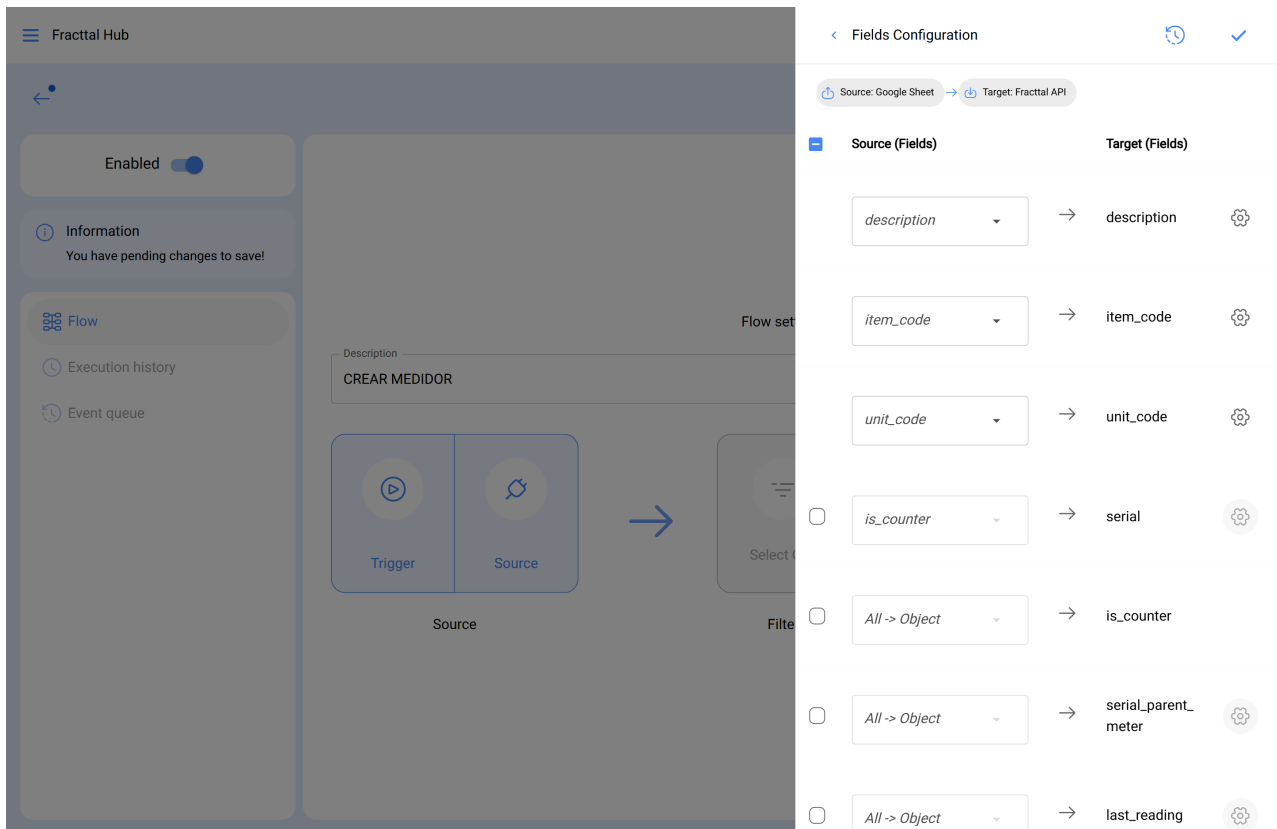
- Click on **Connection** in the destination section.
- **Module:** Select **Fractal**.
- **Connection:** Choose **FRACTTAL HUB**.
- **Action:** Select Create Meter.



## Field configuration (mapping):

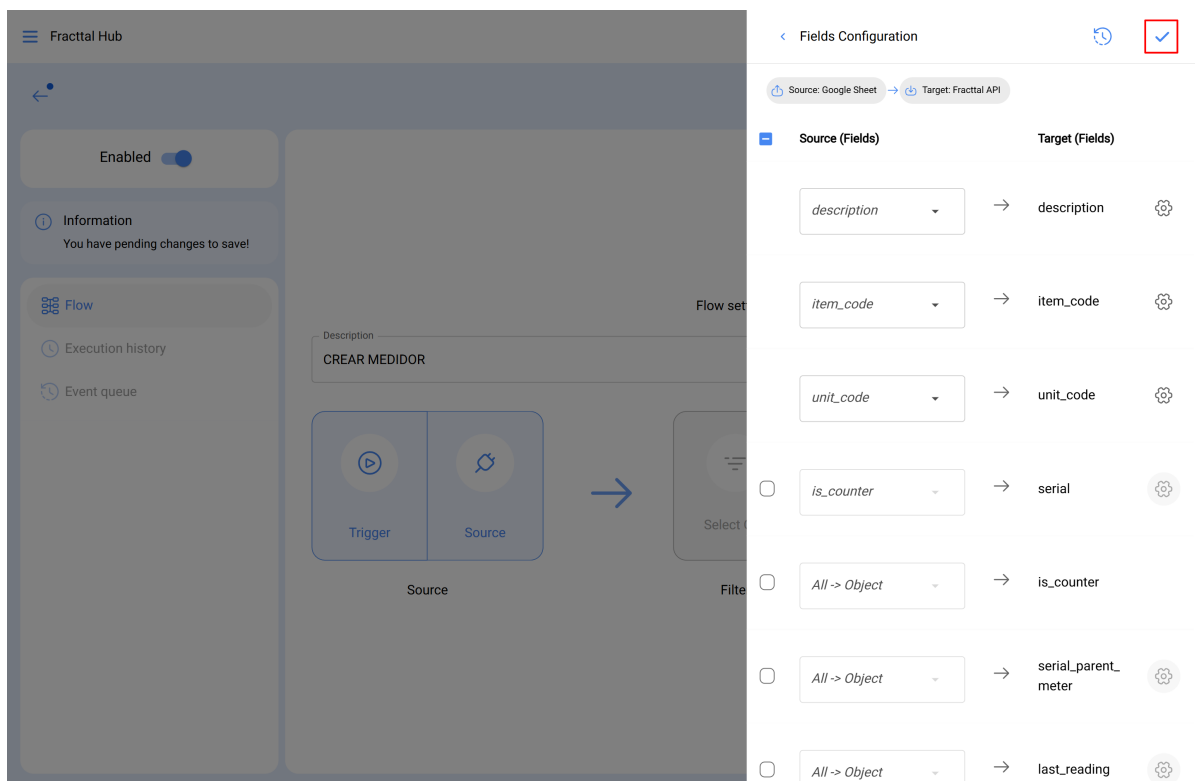


- Click on **Configuration** in the destination section.
- Map the fields from the sheet (Source) with those of the system (Destination), ensuring they match:



## Step 7: Run and verify the flow

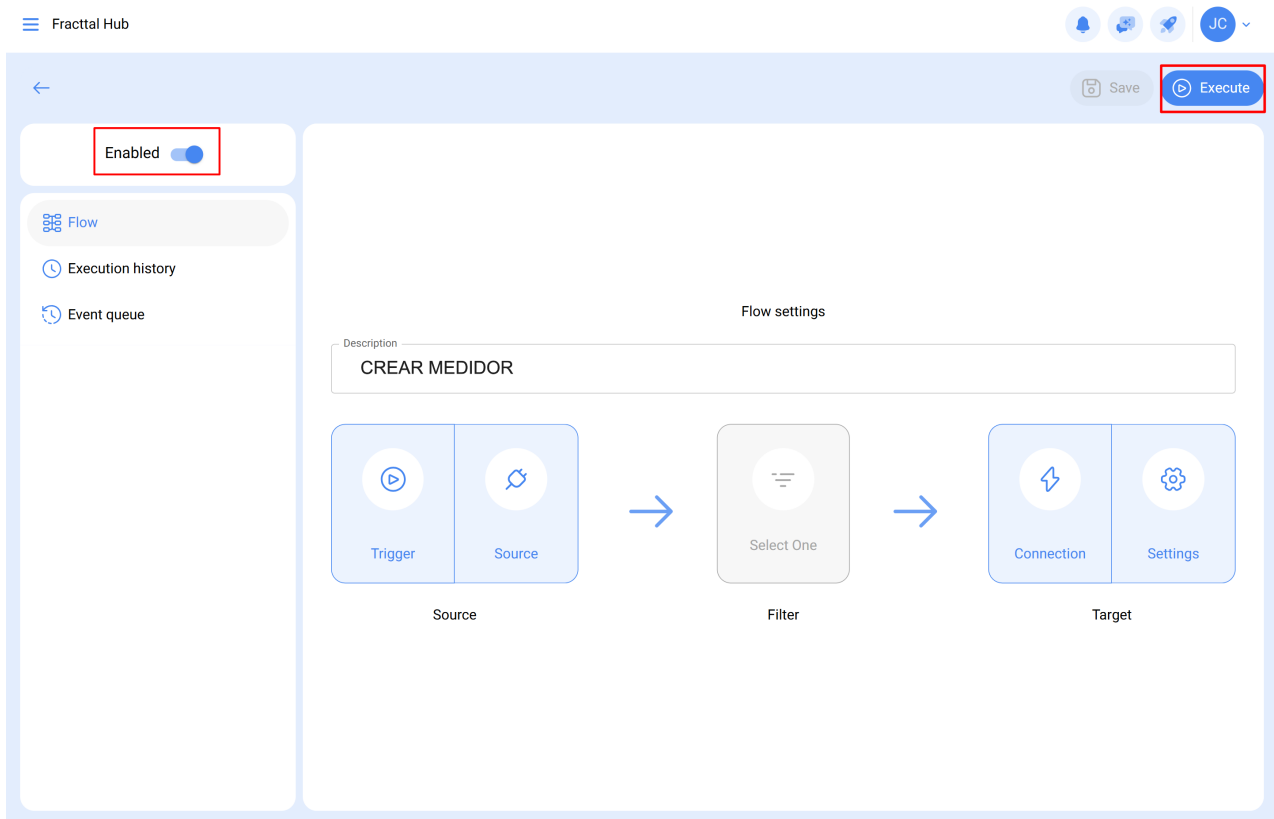
1. Click on **Save** to save the flow configuration.



2. Turn on the **Enabled** switch.
3. Click again on **Save**.



4. Click on the **Run** button to start the process.



You can monitor the progress in the **Event Queue** and **Execution History** tabs. A successful process will show "Process Completed" and mark the Extraction, Transformation, and Loading stages as complete.

**To verify**, go to **Tasks > Task Plan**, select the corresponding plan, and in the **Linked Assets** tab, you will see the asset that was associated via the spreadsheet.

#### Notes:

- This method is only compatible with task plans based on **frequency (date)**. It is not compatible with plans that have triggers by meter **reading**.
- You can add multiple rows in your Google Sheets to associate multiple assets to one or more plans at once.