

How to edit assets in Fracttal One using Fracttal Hub?

 help.fracttal.com/hc/en-us/articles/37468789617549-How-to-edit-assets-in-Fracttal-One-using-Fracttal-Hub

Fracttal Hub allows you to automate processes to optimize maintenance management. One of its most powerful features is the ability to edit information of existing assets in bulk, using a Google Sheets spreadsheet as a data source.

This method is ideal in scenarios where you need to modify specific fields (such as type, name, custom fields, *etc.*) for a large number of assets already registered in Fracttal One, avoiding the process of deletion and re-importation.

Step 1: Setting Up the Service Account in Google Cloud

For Fracttal One to securely read the data from your sheet, it is necessary to create an access credential using a Service Account in Google Cloud.

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

3. Click on **CREATE SERVICE ACCOUNT**.

The screenshot shows the Google Cloud IAM and administrator console for the 'Fractal One - Helpcenter' project. The left sidebar contains a navigation menu with 'Service accounts' highlighted. The main content area shows the 'Service accounts' page with a '+ Create service account' button highlighted in a red box. Below the button, there is a table listing existing service accounts.

	Filter	Insira o nome ou o valor da propriedade					
	E-mail	Status	Name ↑	Description	Key code		Actions
<input type="checkbox"/>	asociar-activo-a-un-plan-de-mt@fractal-one-helpcenter.iam.gserviceaccount.com	Enabled	Associate asset with a mtto plan		74a9120e564b6317d14be1f5ea01		
<input type="checkbox"/>	crear-equipos@fractal-one-helpcenter.iam.gserviceaccount.com	Enabled	Create Teams		78df830c67e266e185b2a202caef		

Assign a name and description to your service account (for example, “Edit Equipment”) and click **CONTINUE**.

The screenshot shows the 'Create service account' wizard in the Google Cloud IAM and administrator console. The 'Service account name' field is highlighted with a red box. The wizard is divided into three steps: 1. Create service account, 2. Permissions(optional), and 3. Main with access(optional). The 'Create service account' step is currently active, showing fields for 'Service account name', 'Service Account ID', 'Email address', and 'Service Account Description'. The 'Service account name' field contains 'EDITAR EQUIPOS'. The 'Service Account ID' field contains 'editar-equipos'. The 'Email address' field contains '<id>@fractal-one-helpcenter.iam.gserviceaccount.com'. The 'Service Account Description' field is empty. The 'Create and continue' button is visible. The 'Permissions(optional)' step is also visible, showing a 'Main with access(optional)' section with a 'Conclude' button highlighted in a red box and a 'Cancel' button.

4. In the list, find the account you just created and click on it.

Google Cloud | Fractal One - Helpcenter | Search (/) for resources, documents, products, and more

IAM and administrator / Contas de serviço

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 service account creation 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"/>	asociar-activo-a-un-plan-de-mt@fractal-one-helpcenter.iam.gserviceaccount.com	Enabled	Associate asset with a mtto plan		74a9120e564b6317d14be1f5ea0	⋮
<input type="checkbox"/>	crear-equipos@fractal-one-helpcenter.iam.gserviceaccount.com	Enabled	Create Teams		78df830c67e266e185b2a202cae	⋮
<input type="checkbox"/>	edit-equipos@fractal-one-helpcenter.iam.gserviceaccount.com	Enabled	EDIT EQUIPMENT		No key	⋮

Service account created

5. Go to the **KEYS** tab.

6. Click on **ADD KEY > Create new key**.

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EDIT EQUIPMENT

Details Permissions **Keys** Metric Records Main with access

Keys

Service account keys can pose a security risk if compromised. We recommend avoiding downloading service account keys. Instead, use Workload Identity Federation. [Learn more about the best way to authenticate service accounts in Google Cloud.](#)

Google automatically disables service account keys detected in public repositories. This behavior can be customized using the "iam.serviceAccountKeyExposureResponse" organization policy. [Learn more](#)

Add a new key pair or upload a public key certificate for the existing pair.

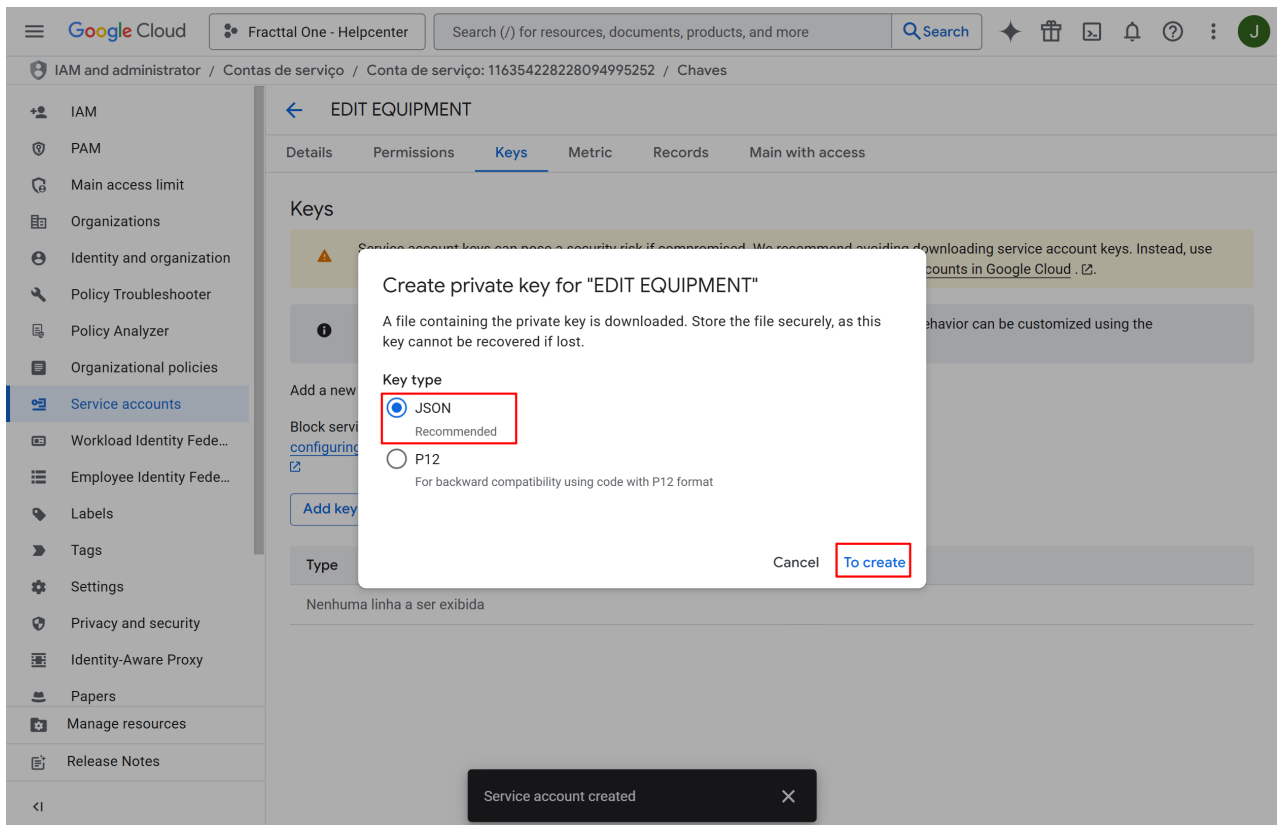
Block service account key creation using [organization policies](#) [Learn more about configuring organization policies for service accounts](#).

Add key

Type	Status	Key	Date of creation	Expiration date
Nenhuma linha a ser exibida				

Service account created

7. Select the key type **JSON** and click on **CREATE**. A **.json** file will be downloaded to your computer. Store it in a safe place, as it contains your access credentials.



Step 2: Preparing the Google Sheets Spreadsheet

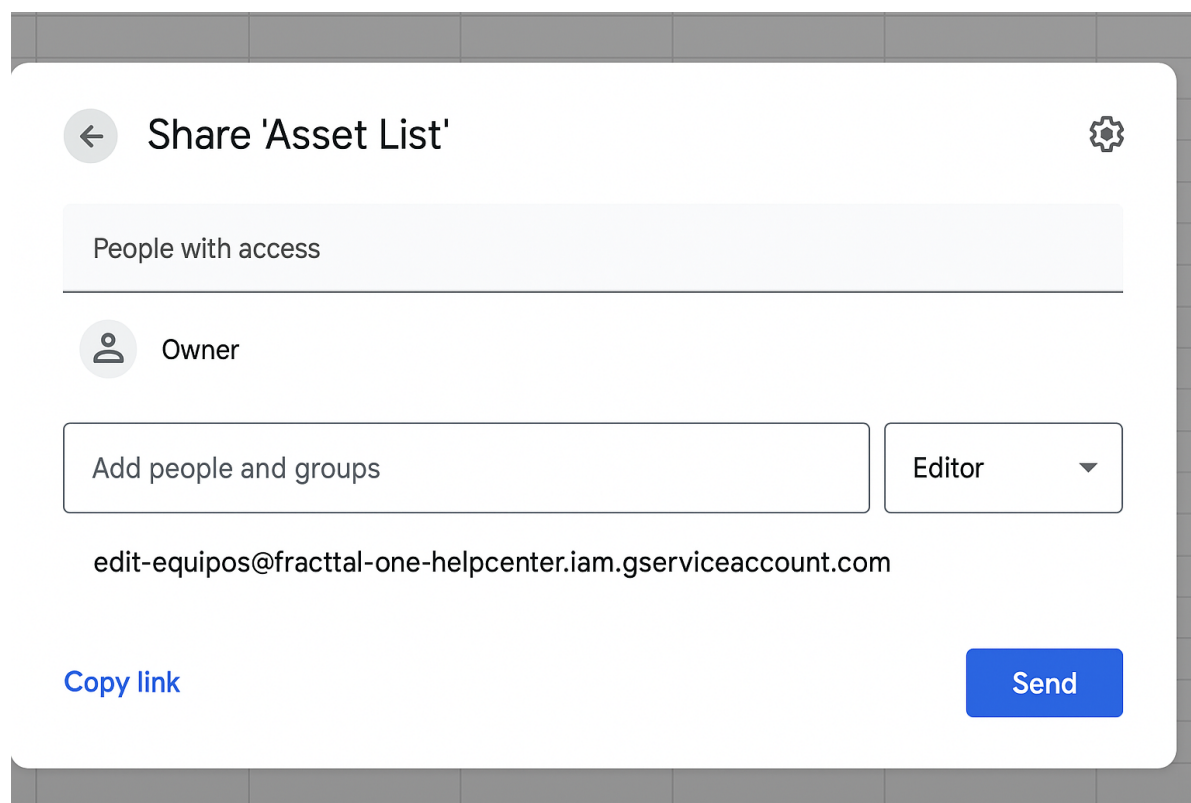
Now we will prepare the sheet that will contain the data to be updated.

1. Create a new sheet in Google Sheets.
2. Assign a descriptive name to the sheet (e.g., Edit Equipment).

Share the sheet:

1. Go back to your Service Account page in Google Cloud and copy its email address.

2. In your sheet, click on **Share**.



Share 'Asset List'

People with access

Owner

Add people and groups

Editor

edit-equipos@fractal-one-helpcenter.iam.gserviceaccount.com

Copy link

Send

3. Paste the Service Account email, assign it **Editor** permission, and click **Send**.

Column Structure:

The first row must contain the names of the fields you want to update. The **code** field is mandatory to identify which asset will be modified.

code	id_type_item	group
HUB-001	2	VANS

Field Definitions:

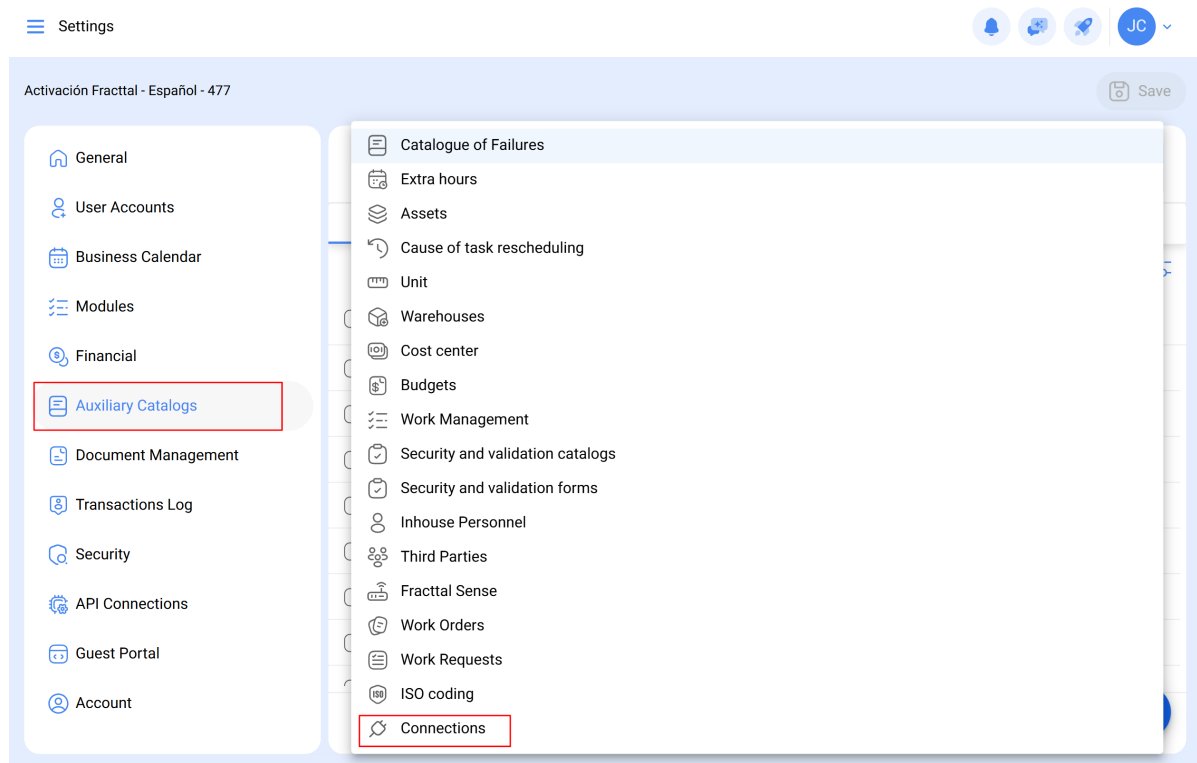
- **code** (Required): Unique code of the asset already existing in Fractal One.
- **id_type_item** (Required): Numeric ID of the asset type (e.g., 2 for Equipment).
- **group** (Required): The "Type" of the asset. The value must match exactly with one already registered in **Auxiliary Catalogs > Assets**.

Important: To know what other fields can be updated, consult the documentation of our API at the endpoint "Update an asset." For more information on custom fields, review the article on [What are custom forms?](#)

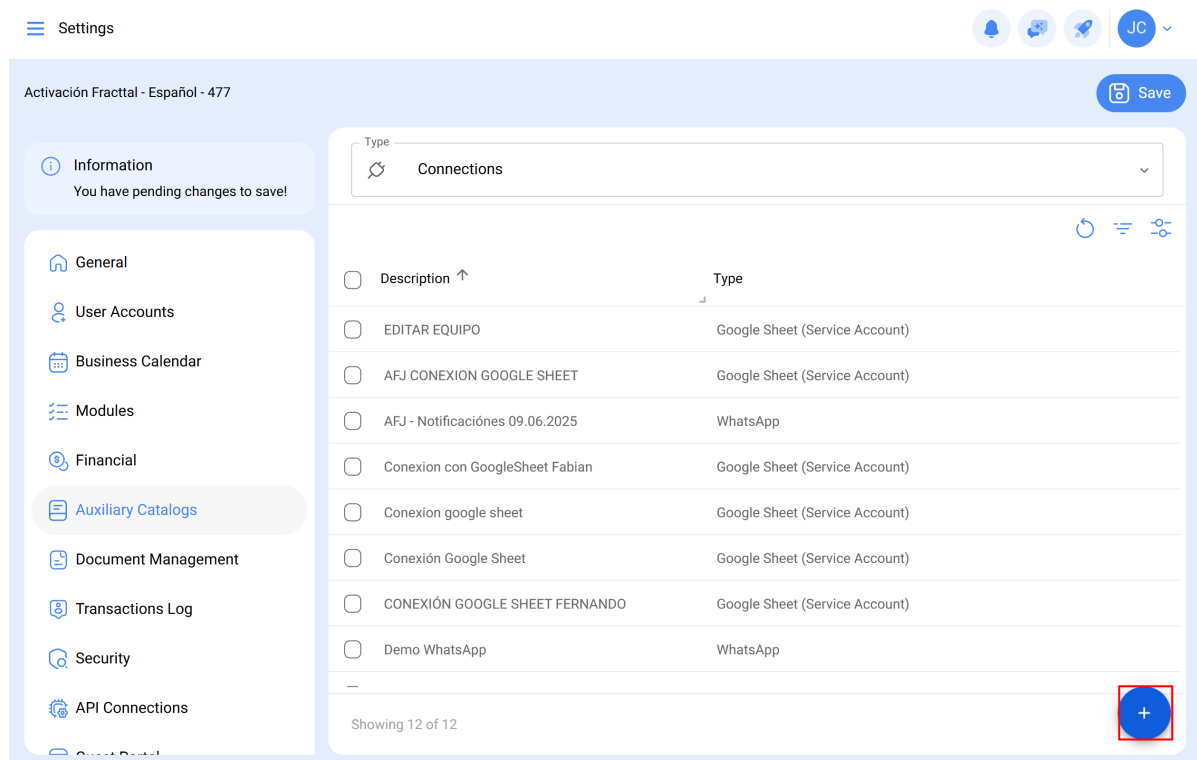
Step 3: Creating the Connection in Fractal One

With the credentials ready, we will create the connection bridge between Fractal One and Google Sheets.

1. In Fracttal One, go to **Settings > Connections**.



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



3. Select the type **Google Sheet (Service Account)**.

4. Add a **Description** (e.g., “Edit Equipment”).

The screenshot shows the 'Settings' page of Fractal One, specifically the 'Connections' tab. A modal form is open for adding a new connection. The form includes the following fields:

- Type: Google Sheet (Service Account)
- Description: EDITAR EQUIPO
- Type: service_account
- project_id *
- private_key_id *
- private_key *
- client_email *
- client_id *
- client_x509_cert_url *

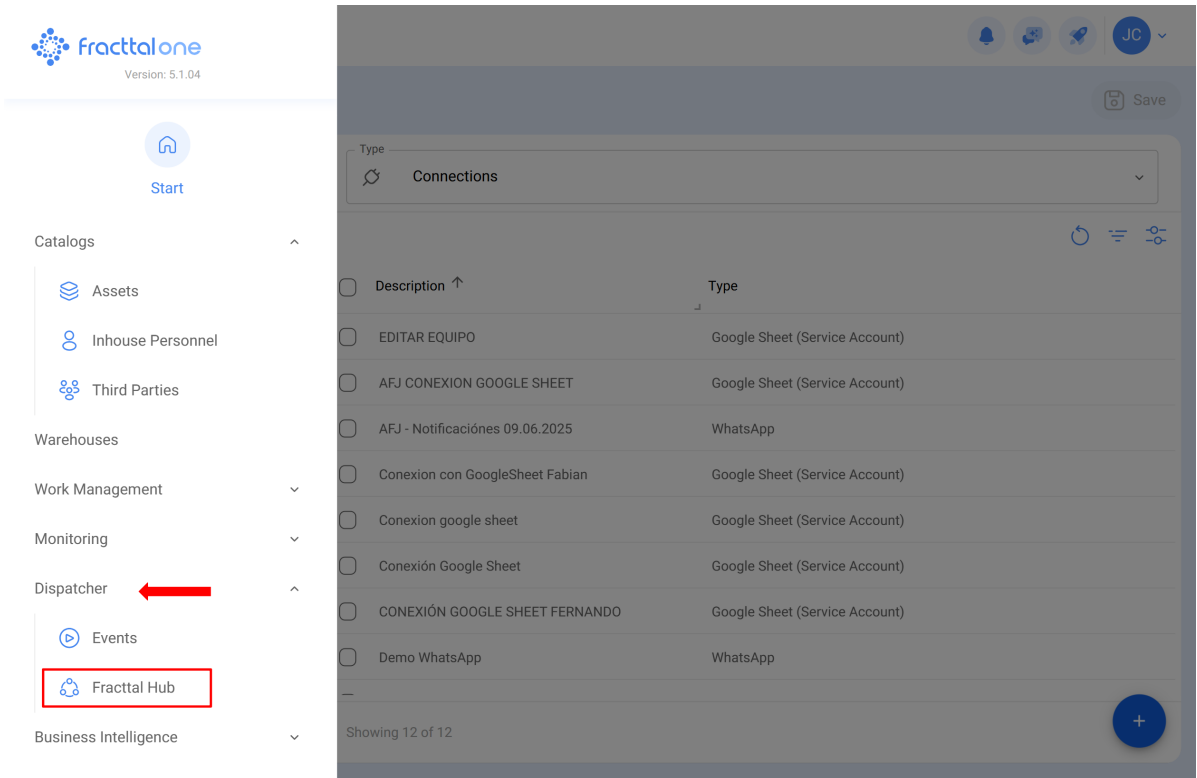
The modal form is highlighted with a red box. The background shows the 'Connections' list with various entries like 'AFJ CONEXION GOOGLE SHEET' and 'CONEXION GOOGLE SHEET FERNANDO'.

5. Open the **.json** file you downloaded in Step 1 and copy the content of each field (**project_id**, **private_key**, **client_email**, etc.) into the fields of the Fractal One form.
6. Click on the **Save** icon in the upper right corner.

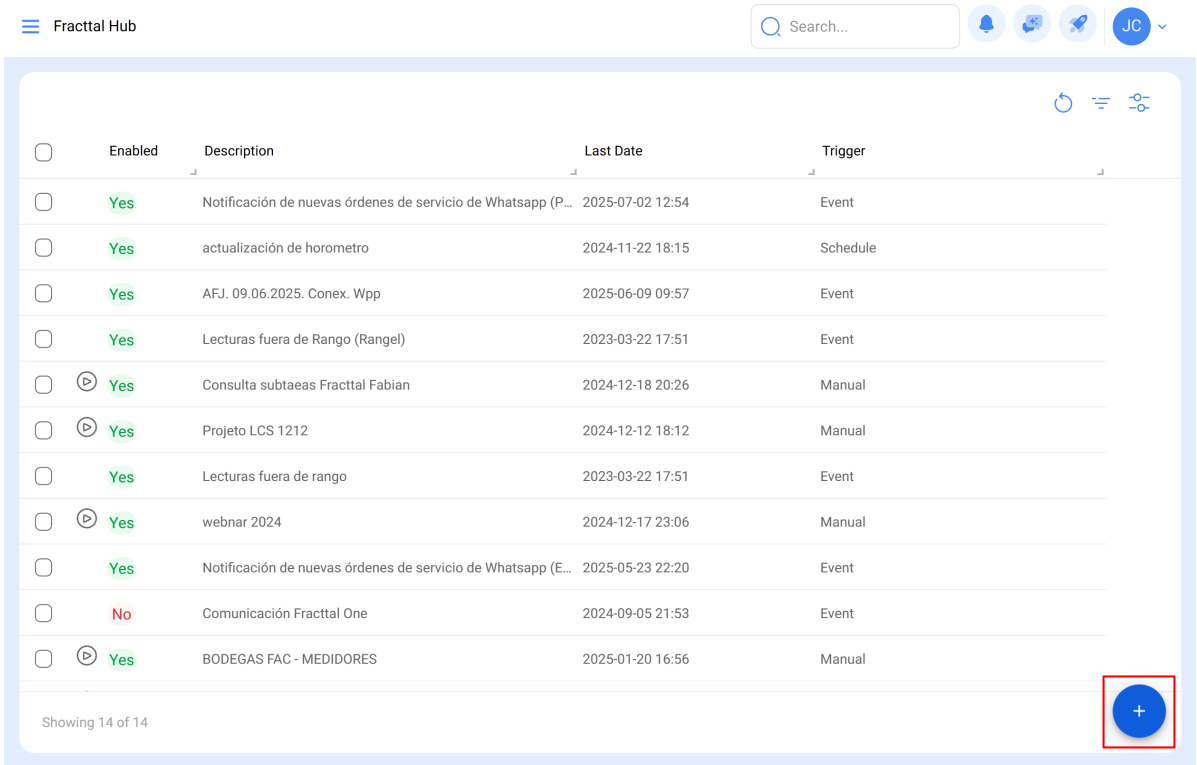
Step 4: Creating the Rule in Fractal Hub

In this final step, we will configure the automation logic.

1. Access the menu **Automator > Fractal Hub**.



2. Click on the + icon to create a new rule.



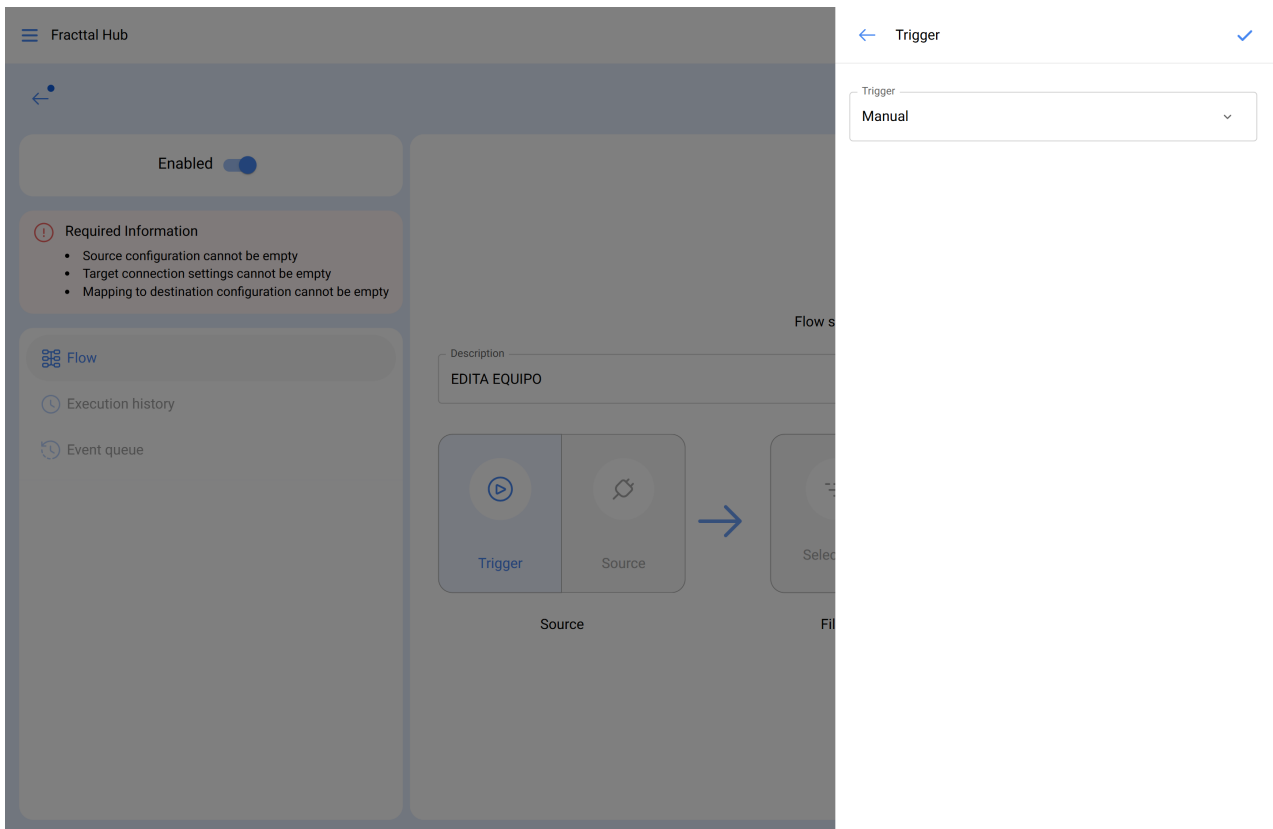
3. Add a **Description** like “Edit Equipment.”

The screenshot shows the Fractal Hub interface. On the left sidebar, there is a toggle for 'Enabled' which is turned on. Below it, a 'Required Information' section lists three items: 'Source configuration cannot be empty', 'Target connection settings cannot be empty', and 'Mapping to destination configuration cannot be empty'. Further down, there is a 'Flow' section with options for 'Execution history' and 'Event queue'. The main area is titled 'Flow settings' and contains a 'Description' field with the text 'EDITA EQUIPO'. Below the description, there is a flow diagram with three stages: 'Source', 'Filter', and 'Target'. The 'Source' stage has two options: 'Trigger' (selected with a blue play icon) and 'Source' (with a refresh icon). The 'Filter' stage has one option: 'Select One' (with a list icon). The 'Target' stage has two options: 'Connection' (with a lightning bolt icon) and 'Settings' (with a gear icon). Arrows indicate the flow from Source to Filter to Target.

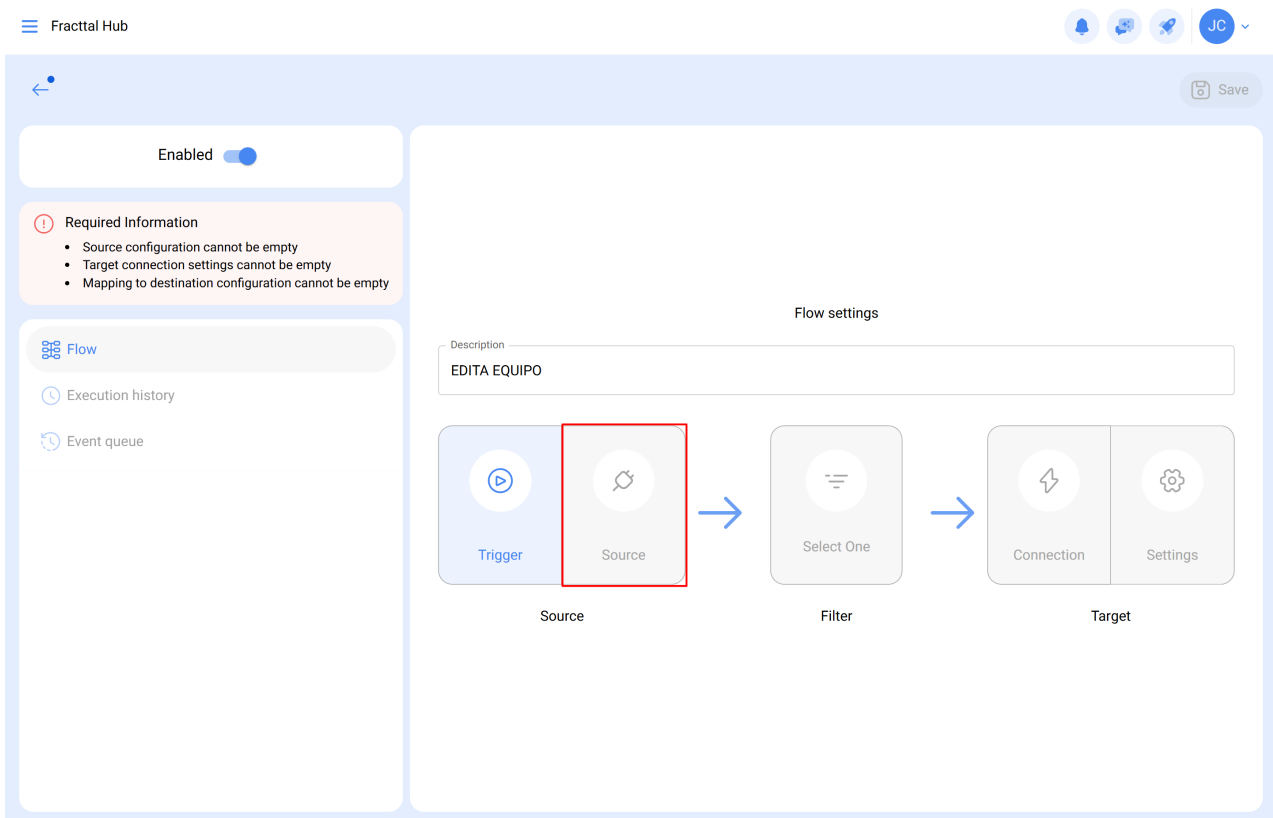
Configure the flow:

Trigger: Select Manual.

This screenshot is identical to the one above, but with a red rectangular box highlighting the 'Trigger' option in the 'Source' stage of the flow diagram. The 'Trigger' option is represented by a blue play icon and the text 'Trigger'.



Source:



- **Module:** GoogleSheet
- **Connection:** Select the connection created in Step 3
- **Action:** Read
- **spreadsheet_id:** Copy the ID of your sheet
- **sheet:** Type 0 to select the first tab

- **Fields:** Add the column names (`code`, `id_type_item`, `group`)

The screenshot shows the 'Source' configuration panel in the Fractal Hub. The panel is titled 'Source' and has a back arrow and a save icon. It contains the following fields:

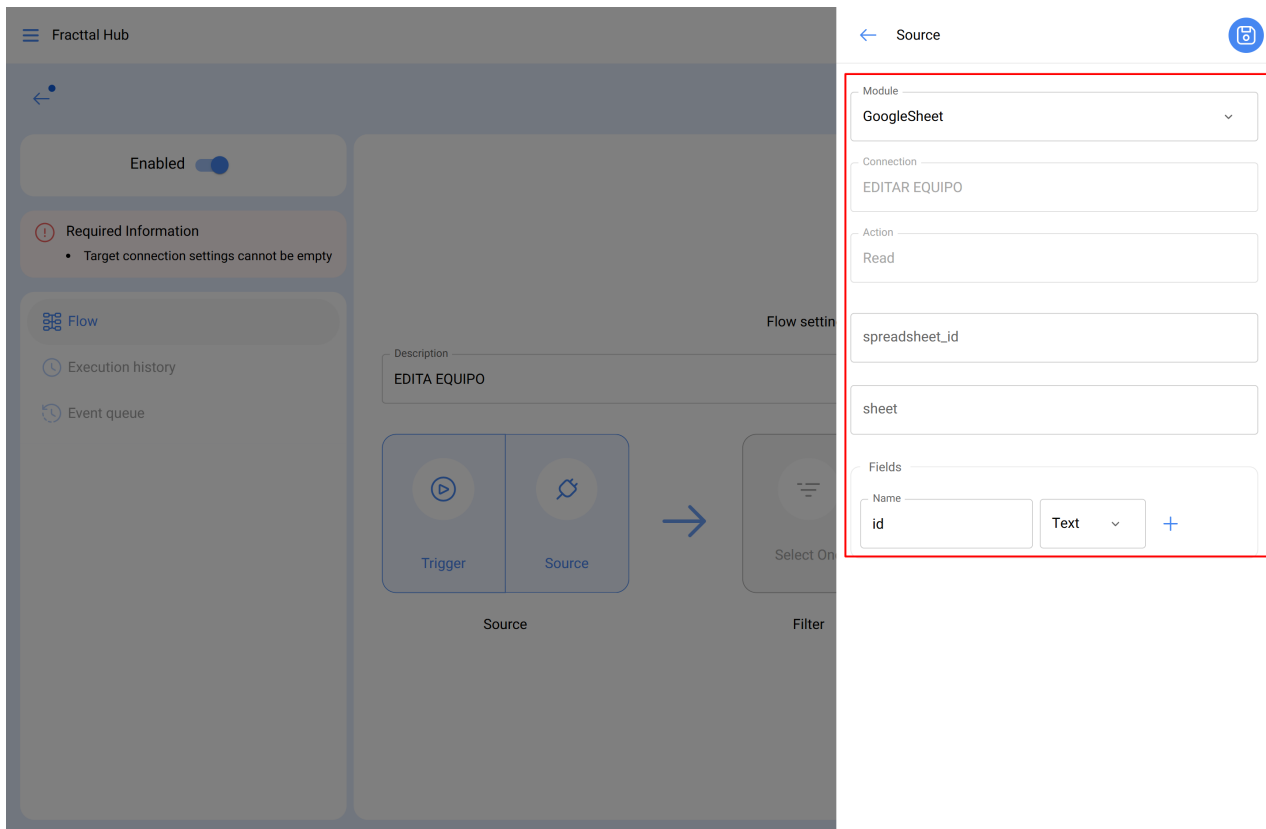
- Module:** GoogleSheet (dropdown menu)
- Connection:** EDITAR EQUIPO
- Action:** Read
- spreadsheet_id:** (text input)
- sheet:** (text input)
- Fields:**
 - Name:** Code, id_type_item, group
 - Type:** Text (dropdown menu)
 - Icons:** Delete icon (trash can) and Add icon (+) for each field.

Connection:

The screenshot shows the 'Flow settings' panel in the Fractal Hub. The panel is titled 'Flow settings' and has a back arrow and a 'Save' button. It contains the following elements:

- Description:** EDITA EQUIPO
- Flow:**
 - Source:** Trigger and Source icons.
 - Filter:** Select One icon.
 - Target:** Connection and Settings icons. The 'Connection' icon is highlighted with a red box.

- **Module:** Fractal
- **Connection:** FRACTAL HUB
- **Action:** Select Read



Configuration (Field Mapping):

- Map the fields from your sheet (Source) with those of the system (Destination). For example:
- Click on the **save** (✓) icon to confirm the mapping.

Step 5: Execution and Verification

1. After configuring the rule, click on **Save** in the upper right corner.
2. To start the process, click on **Run**.
3. You can monitor the progress in the **Execution History**. A successful process will show "Yes" in the Extraction, Transformation, and Load columns, along with a response code "200".

Finally, access the Assets module and verify that your equipment information has been updated according to the data from the sheet.

With these steps, you will be able to keep your asset database updated quickly, in bulk, and automatically.