Google Express Integration For Magento 2

by CedCommerce Products Documentation

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1. Overview

The **Google Express Integration For Magento 2** by CedCommerce is a handy tool that helps the Magento® 2 store owners to boost their business and generate the revenue as it interacts with Google Express API's to connect the Magento® 2 store. It provides an opportunity to cover a wide range of customers.

Admin gets the authority to create Google Express Categories and the dependent attributes on the Magento 2 store. It also enables you to establish a mapping of the desired product category on the Magento 2 store for automatic submission of the selected product to the same category on Google Express.com.

It enables the admin to manage the Google Express orders on the seller's Magento® 2 stores without making any significant changes to operational functionalities.

Synchronizing orders, products, pricing, and inventory is possible through establishing the communication between Google Express APIs and the Magento® 2 stores.

This extension interacts with the Google Express Marketplace to integrate the synchronized product listing between Magento® 2 Store and the Google Express retailers.

Key Features are as follows:

- **Product Upload Based on Profile:** Enables the admin to create a profile based on a single category, and then assign the products to the profile to automate the product upload.
- **Magento Order creation:** The newly placed orders on Google Express.com are automatically created in the Magento® 2 stores with all the required details as it is on Google Express.com.
- **Bulk upload Methodology:** Admin gets the authority to upload bulk products on Google Express but just selecting the products and upload in one go.
- **Product Data Validation:** The extension enables validating the product information in accordance with Google Express standard and values.
- **Product category mapping:** Follows category mapping philosophy. Admin can map any category of the Magento® 2 stores to the single category of Google Express.
- **Auto synchronization:** Auto synchronization of the product listing, order, inventory, and pricing at regular intervals is established between Magento® 2 Store and Google Express.com.
- **Auto-shipment procedure:*** Provides admin an ability to automate the process of shipment with Shipstation, Shipwork, Stamps.com, Linnworks, Xtento, ShipRush.
- **Email Notification:** Admin receives the notification through the mail on new order creation, low stock and if the product is rejected from Google Express.

2. Google Express Integration Extension - Installation

To install the extension

1. Log in the **ftp**, and then go to the **Magento 2** store root folder (generally present under the *public_html* folder).
2. Create a new folder named *code* under the *app* folder; under *code* folder, create a folder named *Ced*.
    a. Upload or Drag and Drop *app/code/Ced/GExpress* directory.
    b. After successfully uploading the directory, the extension will be installed/upgraded.
    c. Now run the following upgrade command in *cmd*
    php bin/magento setup:upgrade.

3. Retrieve API Credentials from Google Express

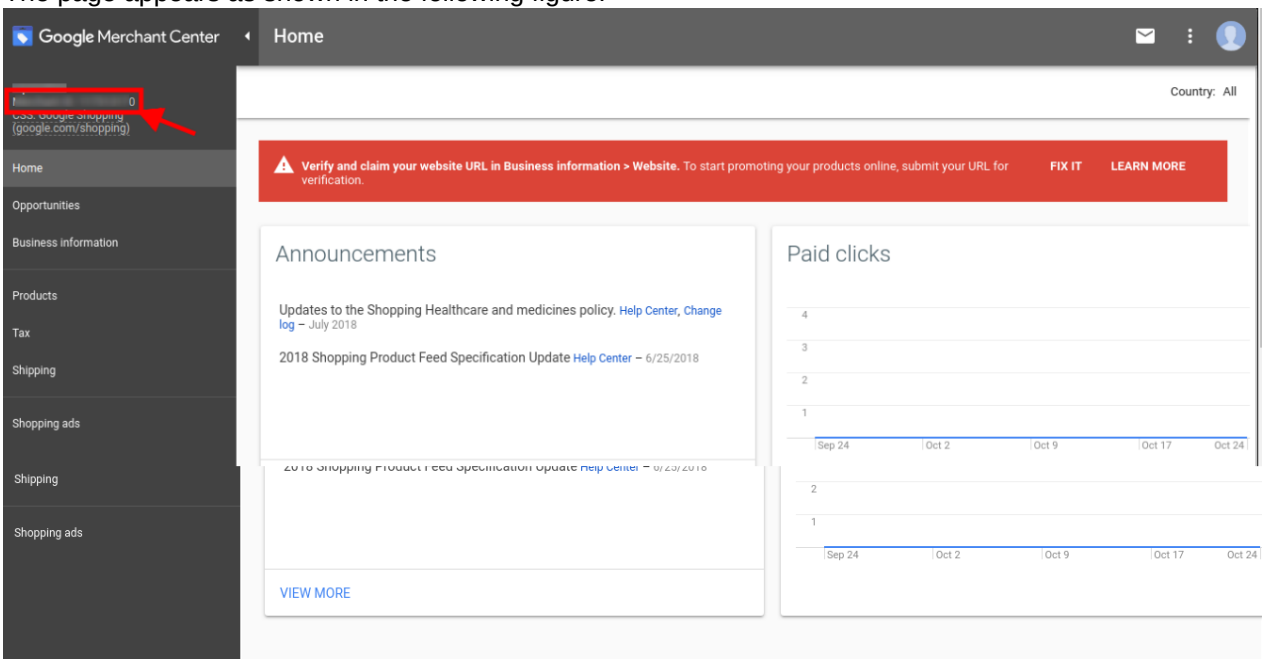
Once the extension is successfully installed on the Merchant's store, Google Express menu appears in the Magento Admin Panel. The merchant has to fill in the API credentials in the **Google Express Configuration** page of the admin panel.

The user has to log in the Google Express Seller account to obtain the **Merchant Id.**

After obtaining the id, from the Google Express Seller account and paste it to the Configuration page of the admin panel of the merchant.

To copy the API Credentials from the Google Express Seller account.

- Open the Google Express **Seller** account.
  The page appears as shown in the following figure:



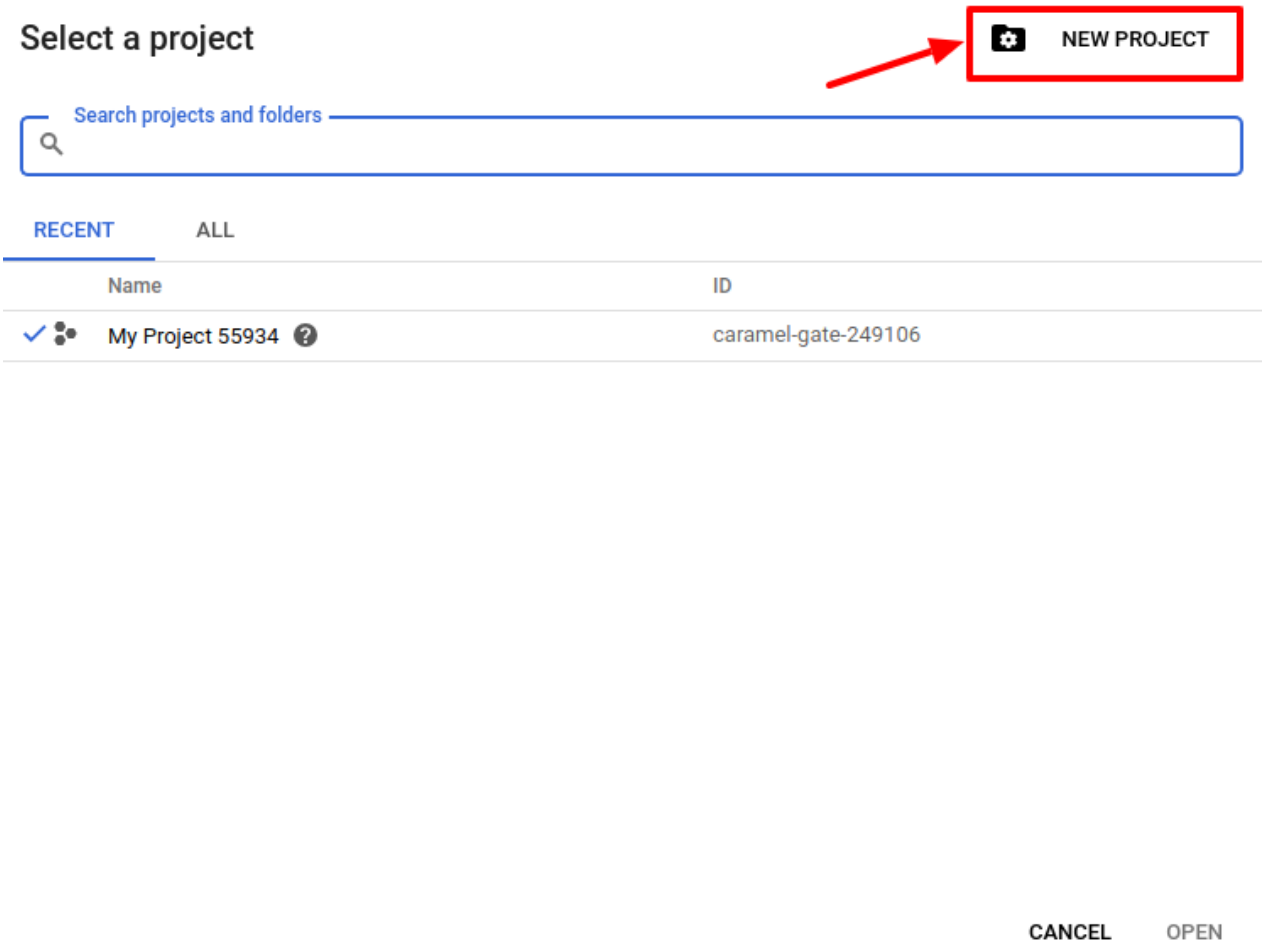
- Copy the **Merchant Id** from the Seller Panel as highlighted in the above image.
  Now you have all the information to be used in the next step i.e. **Configuration**.

4. Configure your Merchant Account

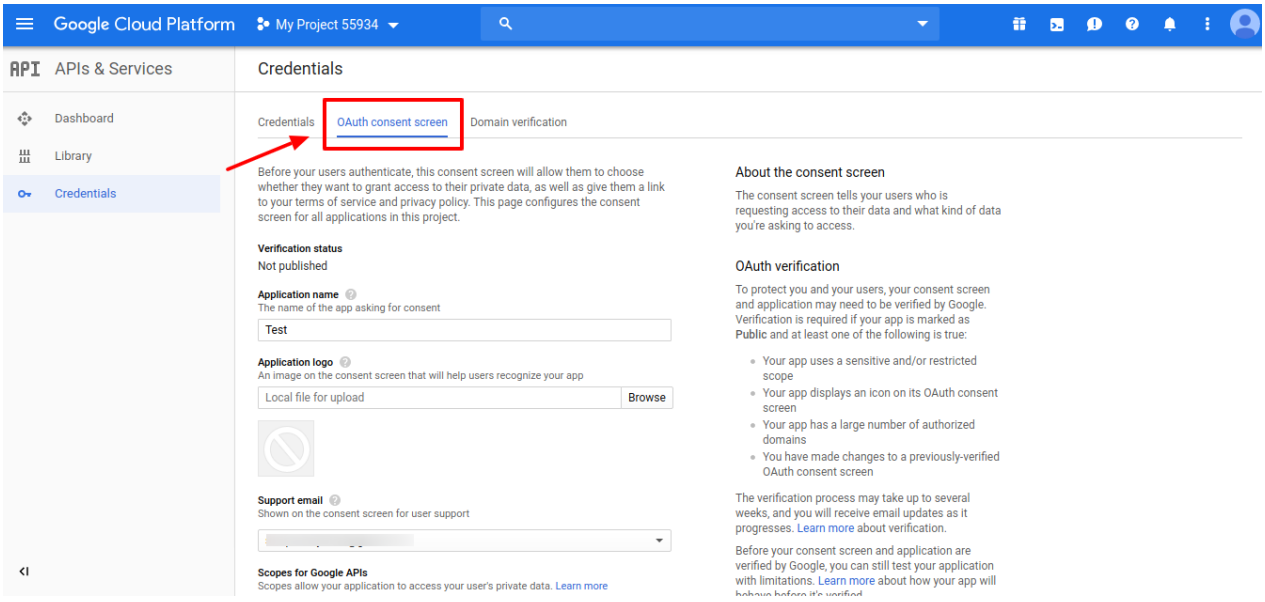
To configure your Merchant Account

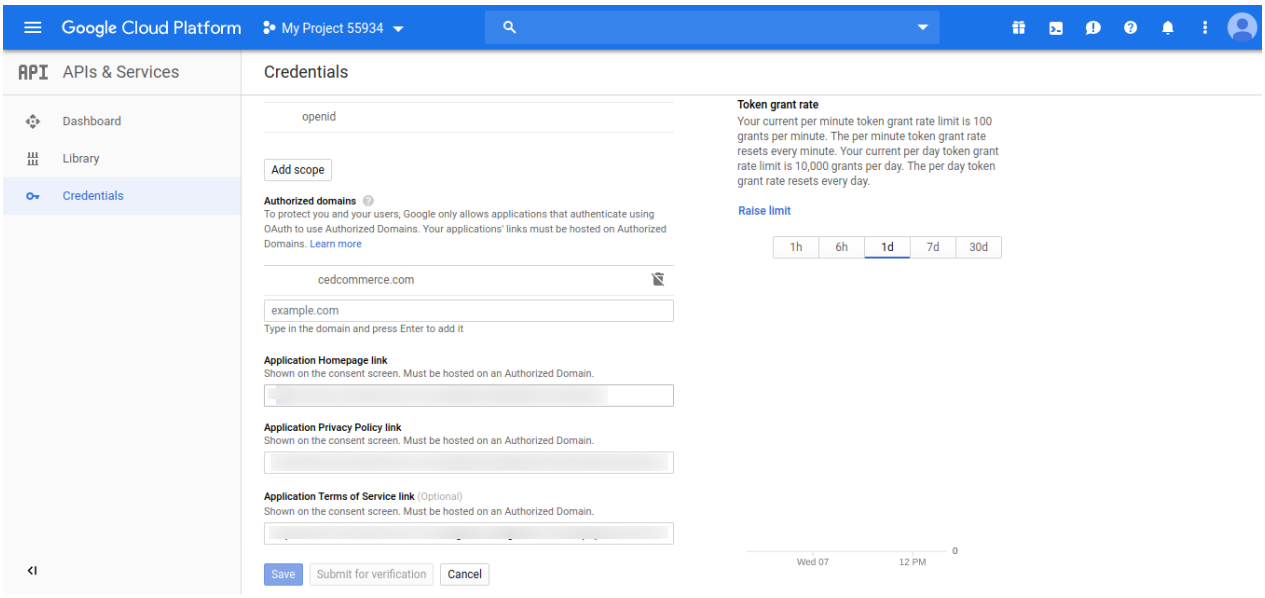
Please
visit **http://console.cloud.google.com/apis/credentials(http://console.cloud.google.com/apis/credentials)**
link to configure it with your merchant account,

1. Go to above link **Create a new project**,



2. Select **OAuth consent screen.**
   The tab appears as shown in the following figure:

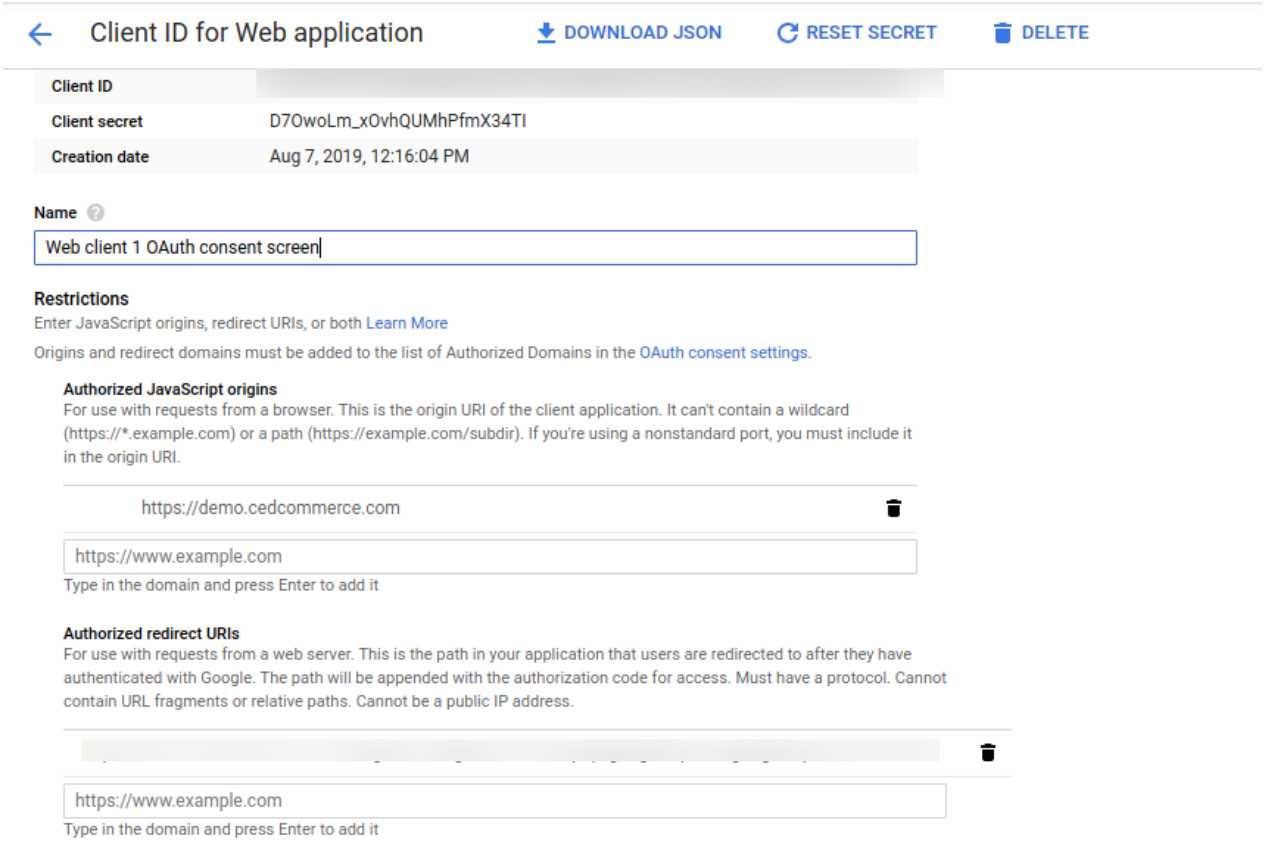




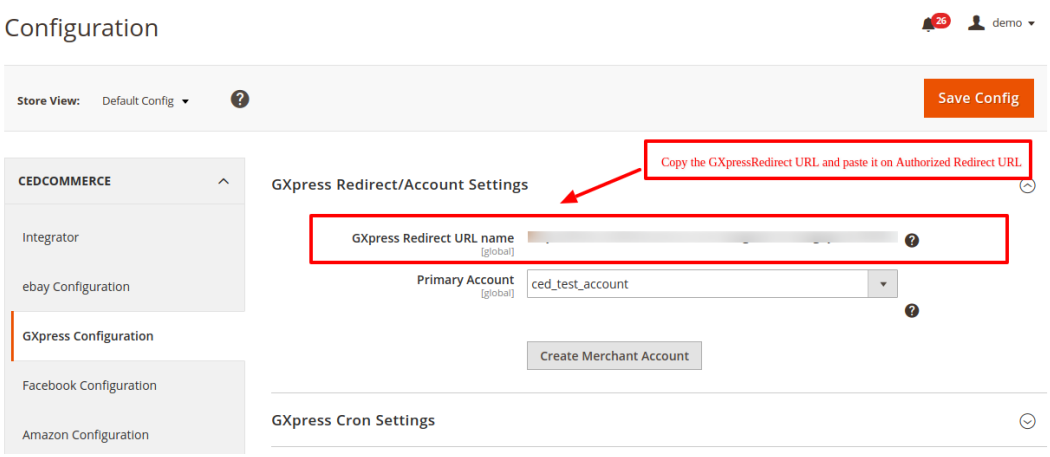
3. In the **OAuth Consent Screen,** do the following steps:
    a. In the **Application Name** box, enter your shop name or domain name of your store,
    b. In the **Application Logo** box, upload your application logo that will help to recognize your app.
    c. In the **Support Email** box, enter your support email.
    d. In the **Authorized Domain** box, enter your website domain.
    Example: *cedcommerce.com*
    e. In the **Application Homepage link** box, enter your store homepage link.
    f. In the **Application Privacy Policy link** box, enter your store application privacy policy link.
    g.
    In the **Application Terms of Service link** box, enter your store application terms of service link.

4.
Then click on the **Save button** to save the **OAuth consent screen** information.

5. Then comes to the **Credentials** Tab & click on **Create Credential Button** & **select OAuth Client ID**
The tab appears as shown in the following figure:

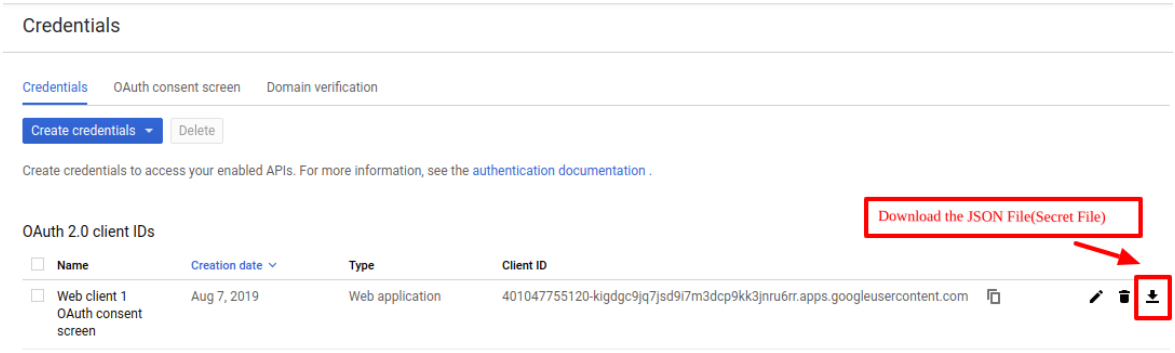


6. In the **Credentials** sections, do the following steps:
   a. In the **Name** section, enter the name of **OAuth Client ID** name.
   b. In the **Authorized JavaScript origins** box, enter your store application domain name.
   c. In the **Authorized redirect URIs** box**,** do the following steps:-
      i. Go to the **Magento Admin Panel**
      ii. Then go to **Google Express Configuration Settings**
      iii. Copy the Redirect URL and Paste it on **Authorized redirect URIs**
      The tab appears as shown in the following figure:

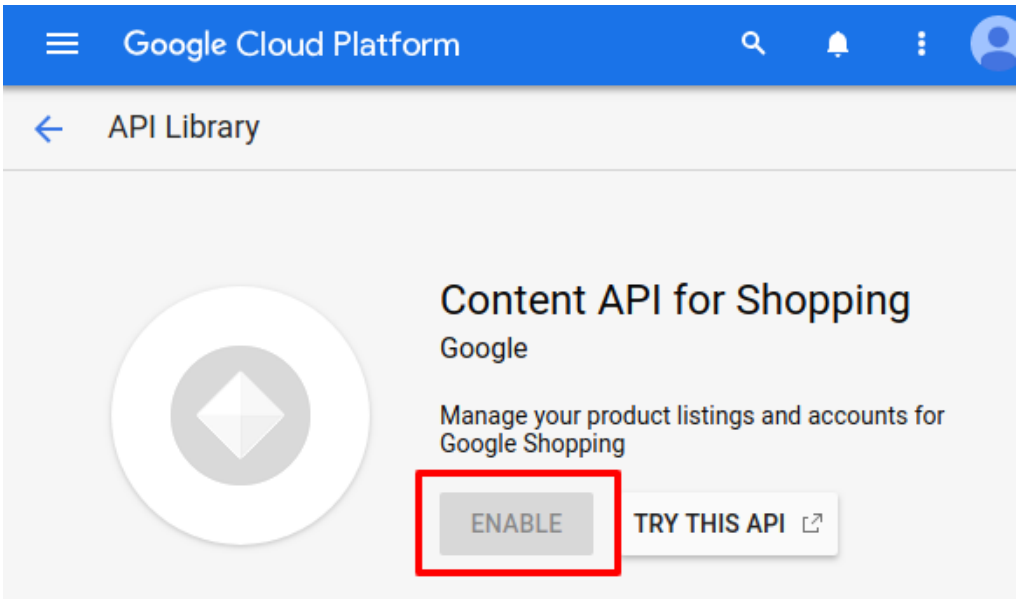


   d. Then click on the **Save Button** to save the Credentials information.
   e. Once you **Save** it then you can download the **JSON file** from there which you can use as a secret key file.

The tab appears as shown in the following figure:



f. Once you download the JSON File (Secret File). Go to the **Magento Admin Panel**.
g. Go to **Google Express Configuration Settings.**
h. Then Client needs to be **Enable** Content Shopping API.
   The tab appears as shown in the following figure:
i. Click on **Enable Shopping API** section, to enable the Google Shopping API. The tab appears as shown in the following figure:



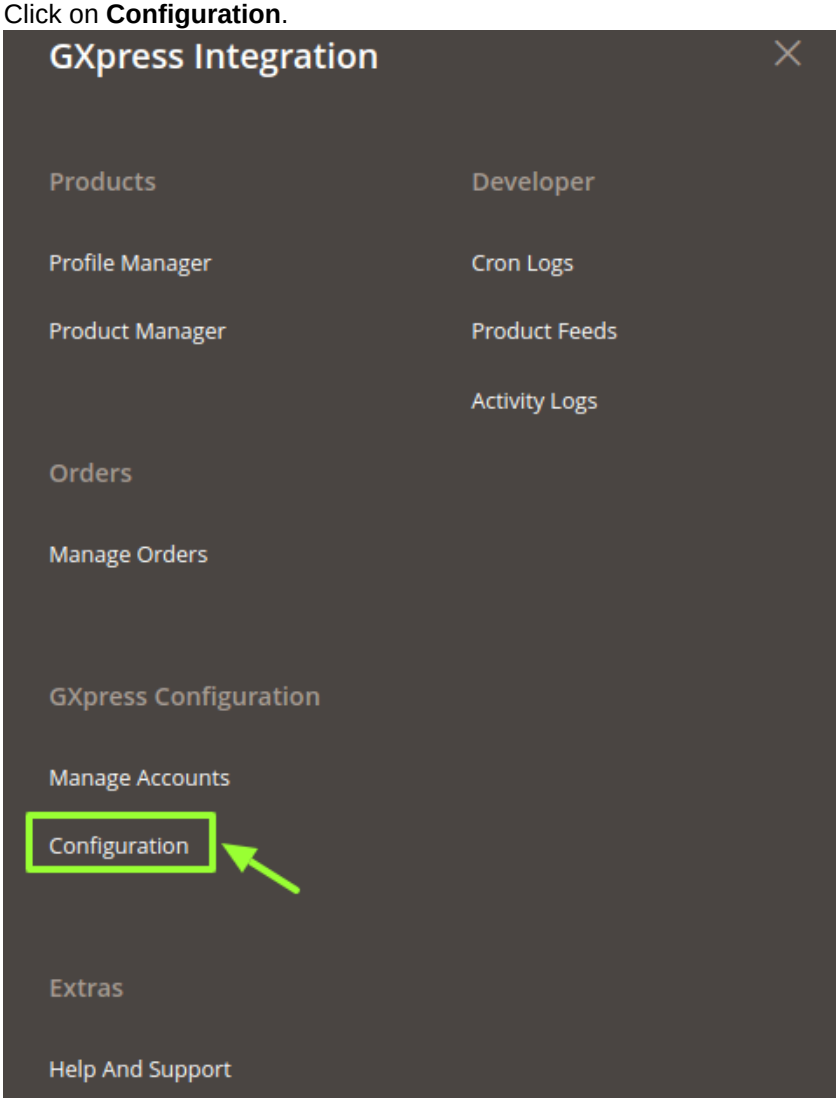
5. Configuration Setting

Once the extension is successfully installed on the Merchant's store, the Google Express tab appears in the Magento Admin Panel.

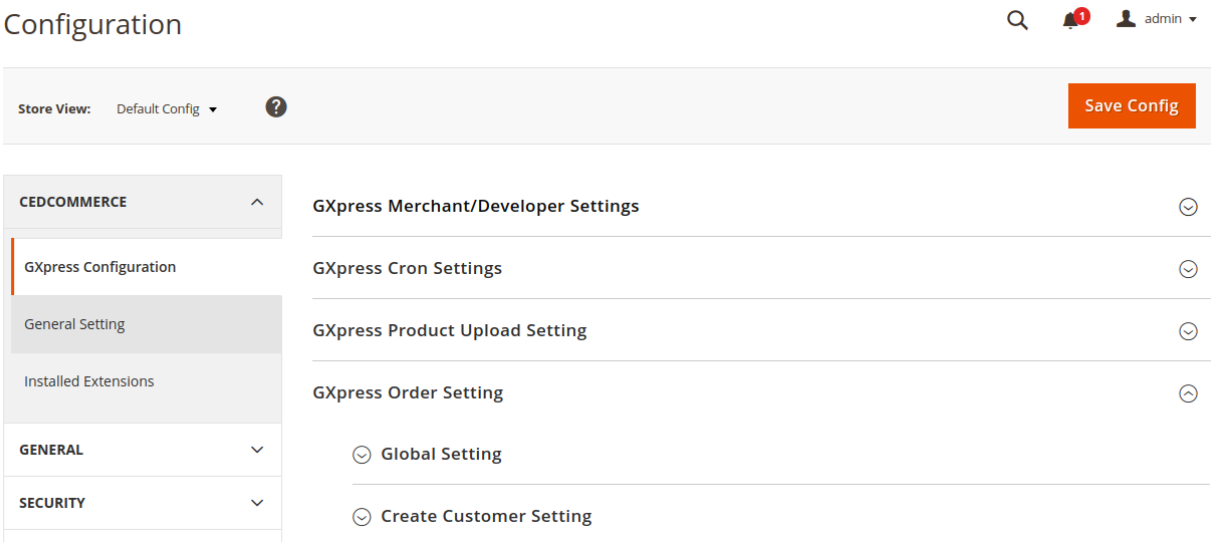
The admin has to set up the configuration settings for establishing the connection between the Magento store and the Google Express marketplace.

To set up the configuration settings in the Magento Admin panel:

1. Go to the **Admin** panel.
2. On the left navigation bar, you will find the **GXpress Integration** option.
3. Click on **Configuration**.

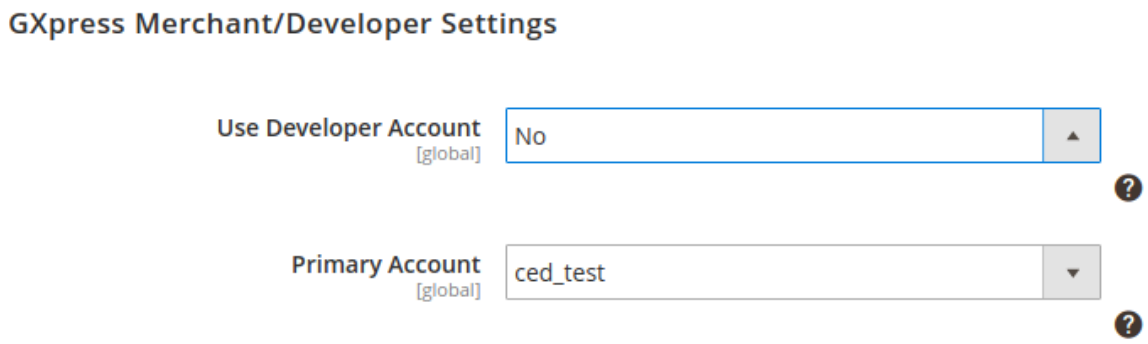


The **Google Express Configuration** page appears as shown in the following figure:

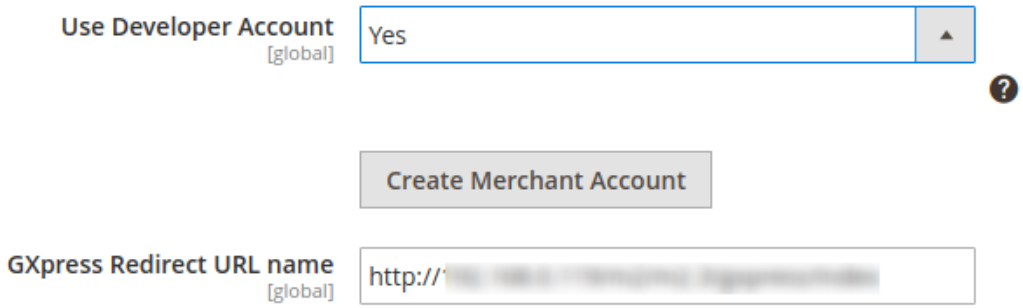


2. Now click on the first heading ie **GXpress Merchant/Developer Settings:**

- A sub-menus opens up as:

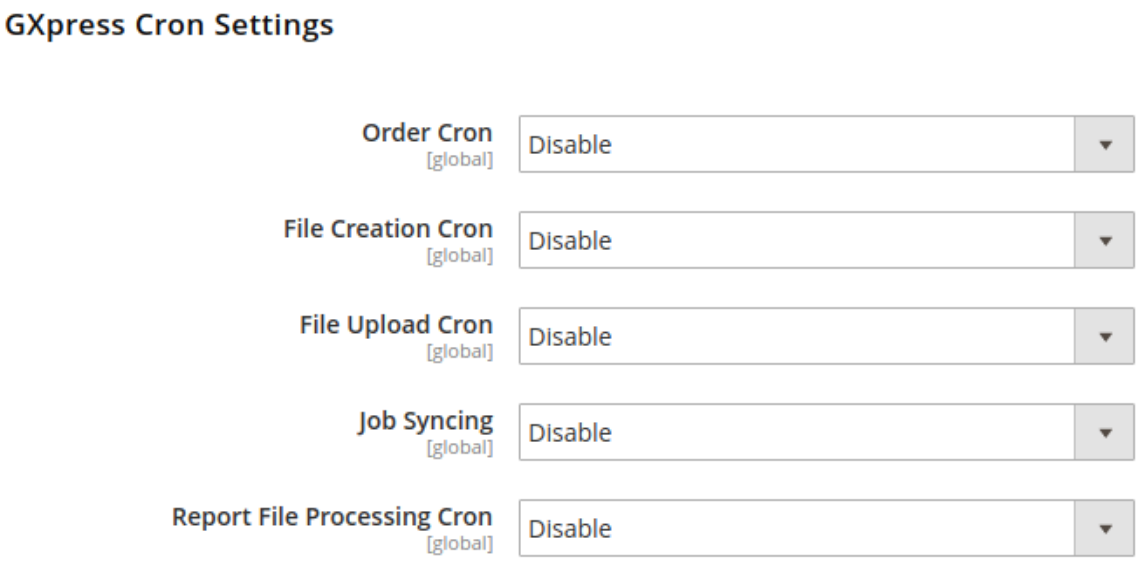


- If you wish to **Use developer Account** then select **Yes** from the drop-down menu.
- An additional menu opens up as:



- In the **GXpress Redirect URL name,** enter the…….
- Choose the Primary account associated with the Google Express Account.

3. Click on **GXpress Cron Settings**. The menu expands as:

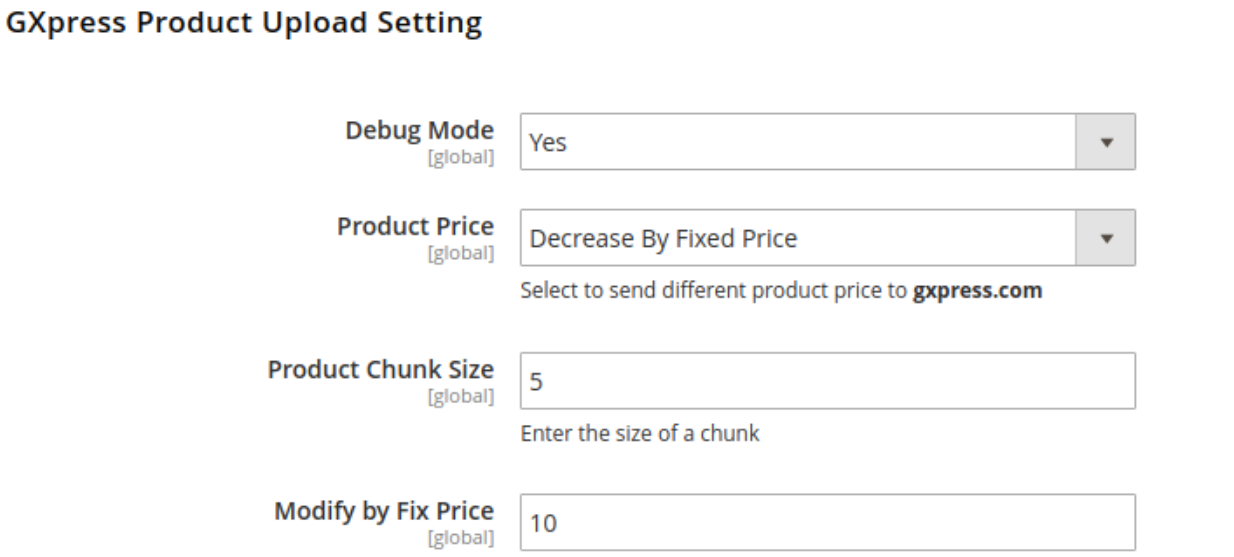


1. In this section, there are five Crons named:

- **Order Cron,**
- **File Creation Cron,**
- **File Upload Cron,**
- **Job Syncing Cron**
- **Report File Processing Cron.**

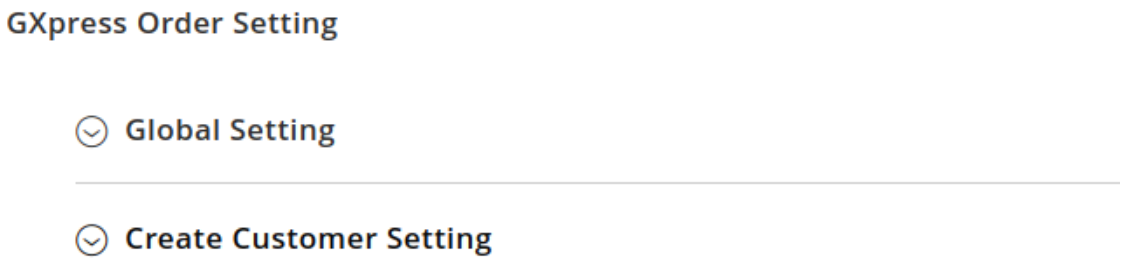
You can **Enable/Disable** the **Cron** as per the requirements.

4. Now, click on **GXpress Product Upload Settings**. The menu expands as:



- Choose Yes in the **Debug Mode.**
- In the **Product Price** list, select one of the following options:
    - **Increase by Fixed Price**: If selected, then the **Modify by Fix Price** field appears.
    - **Increase by Fixed Percentage**: If selected, then the **Modify by Percentage Price** field appears. Enter the numeric value to increase the price of Google Express, product price by the entered value % of Magento 2 store price.
      For Example,
      Magento 2 price + 5% of Magento 2 price.
      Magento 2 Price = 100
      Select **Increase By Fixed Percentage** option
      Modify by Percentage Price = 5
      100 + 5% of 100 = 100 + 5 = 105
      Thus, Google Express Product Price = 105
    - **Decrease by Fixed Price**: If selected, then the **Modify by Fix Price** field appears.
    - **Decrease by Fixed Percentage**: If selected, then the **Modify by Percentage Price** field appears. Enter the numeric value to decrease the price of the Google Express product price by the entered value % of Magento 2 store price
- In the **Product Chunk Size,** set the default size of product chunk.
- In the **Product Price** list, select the price of the product.
  For Example,
  Magento 2 price – 5% of Magento 2 price.
  Magento 2 Price = 100
  Select **Decrease By Fixed Percentage** option
  Modify by Fix Price = 5
  100 – 5% of 100 = 100 – 5 = 95
  Thus, Google Express Product Price = 95

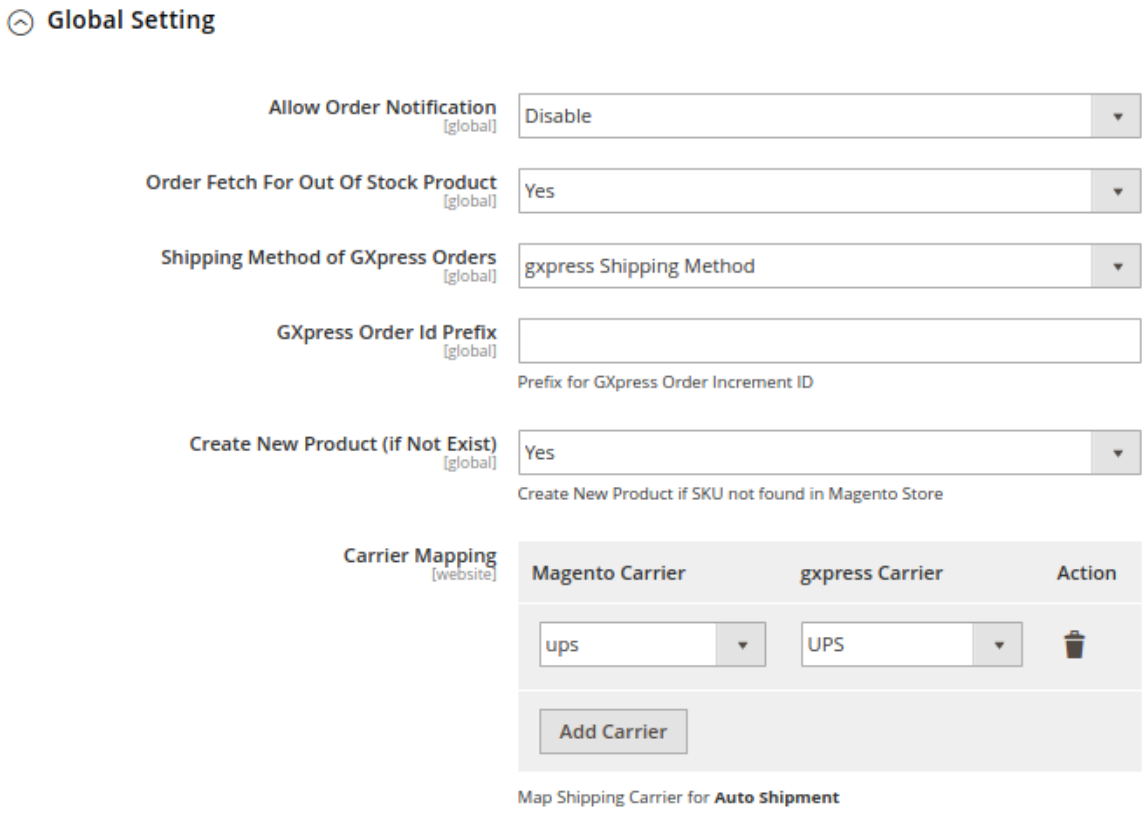
5. Now, click on **GXpress Order Settings**.



The menu is divided into two parts:

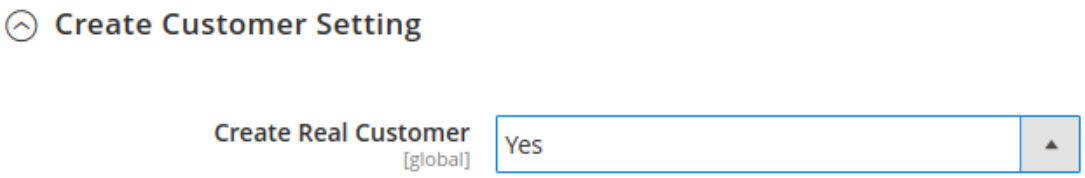
- **Global Setting**
- **Create Customer Setting**

6. Click on **Global Settings** and the section expands as:

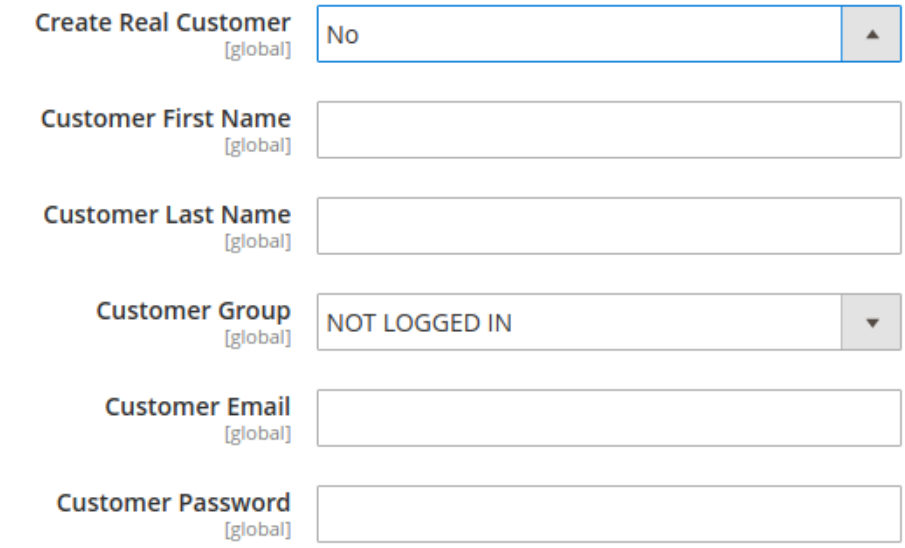


- In **Allow Order Notification,** choose either enable or disable.
- Next is the **Order Fetch from Out of Stock,** choose yes if you wish to fetch the order even though its's currently out of stock.
- Users can choose the shipping methods of GXpress orders from the drop-down menu in the next section.
- Add the order prefix of your choice in the **Google Express Order Id Prefix.**
- You can Create New Product if SKU not found in your Magento Store by selecting **Yes** from the **Create New Product (if Not Exist).**
- Now in the **Carrier Mapping** column, you can map the Magento Carrier with the corresponding Google Express Carrier.
- You can add a new carrier by clicking on **Add Carrier Button** Present.

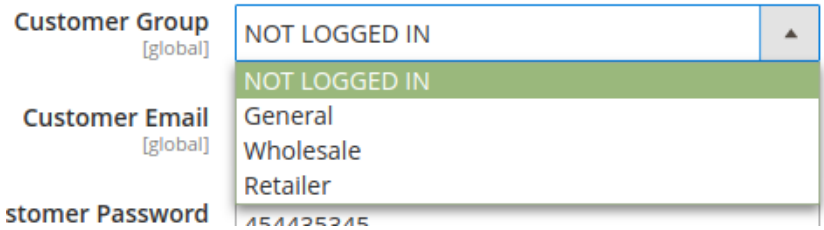
7. Now, click on **Create Customer Setting,** and the section expands as:



- Select Yes Under **Create Real Customer.**
- When you select no the following section expands as:



- Enter the **Customer First Name** in the next row.
- Enter the **Customer Last Name** in the next row.
- In the **Customer Group,** select the type of customer from the drop-down menu:

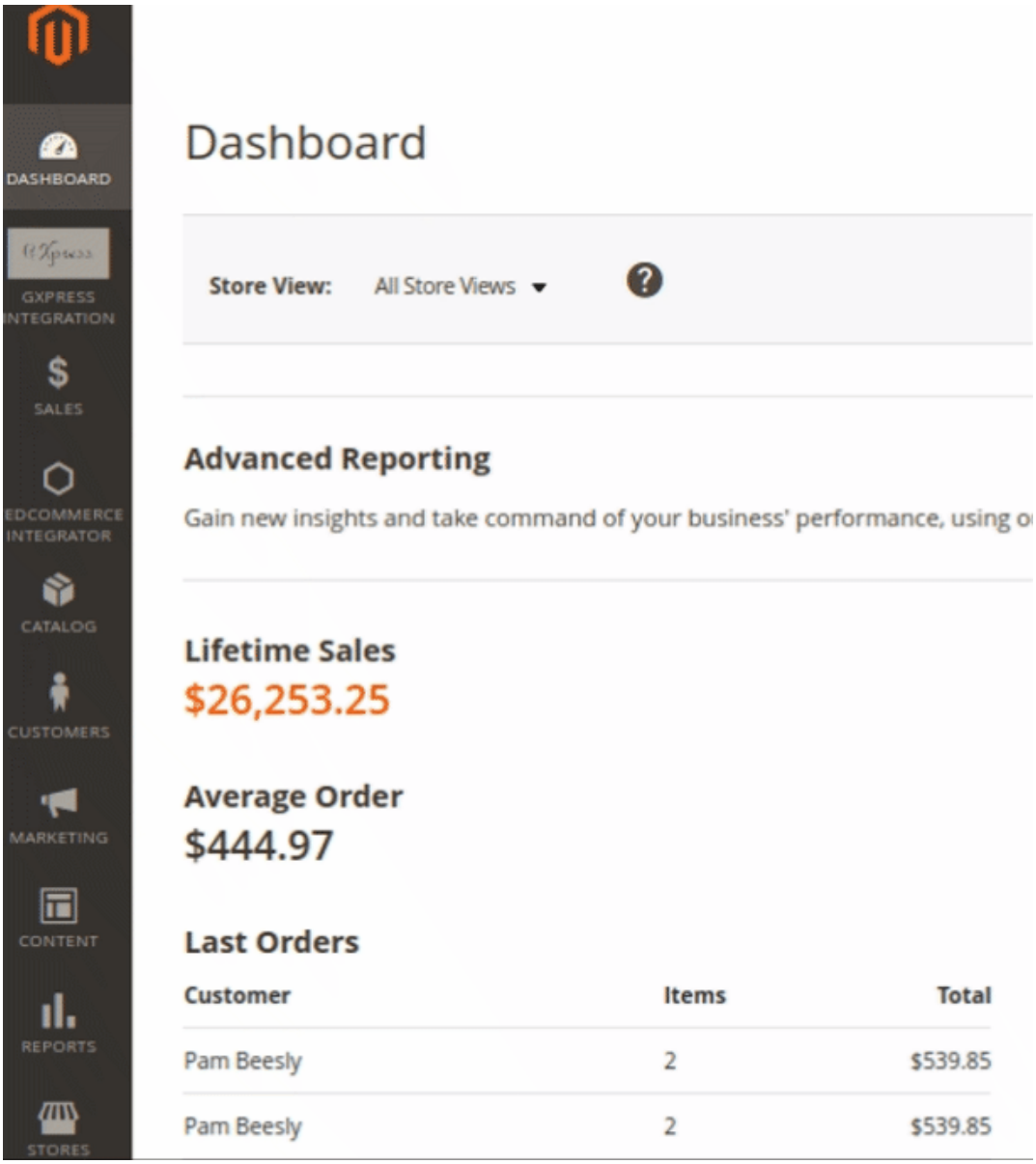


- **Customer Email** needs to be entered in the next section.
- Enter the **Password** of your choice.
- Once all the actions have been taken so far, click on **Save Config** button on the top right of the page.
- The configuration will be saved.

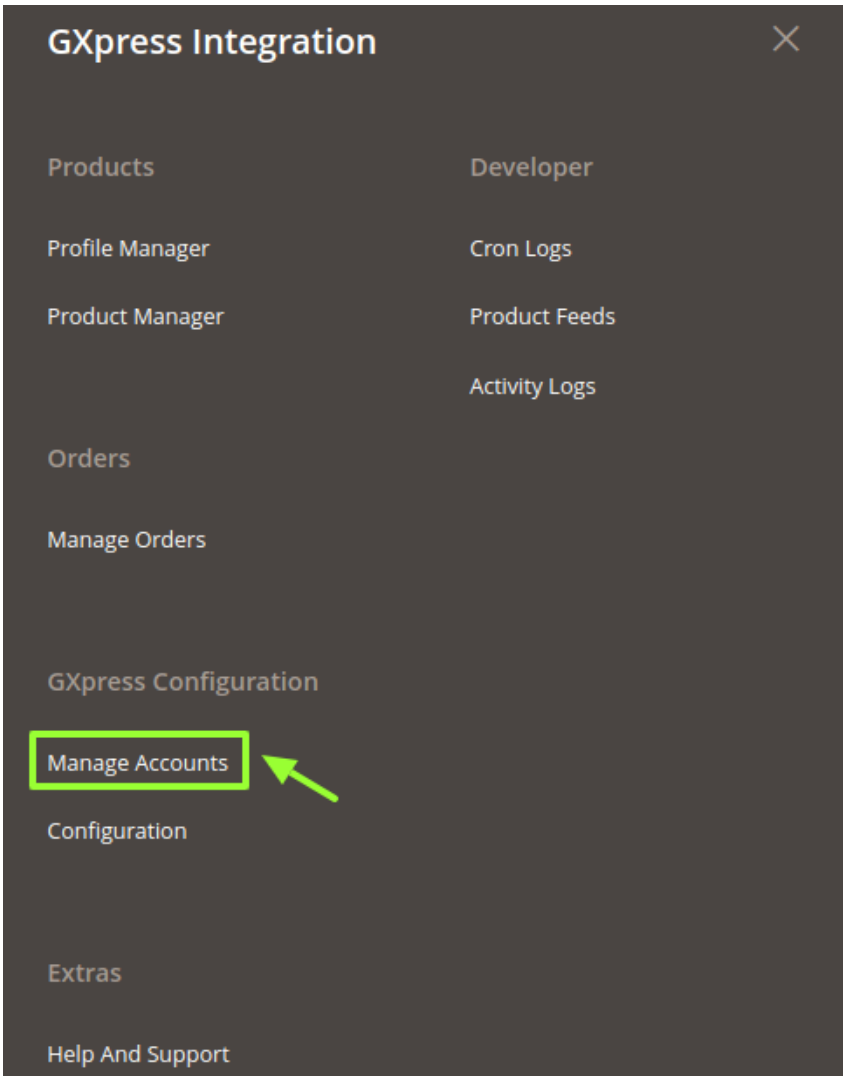
6. Manage Google Express Accounts

To Manage Account On Google Express

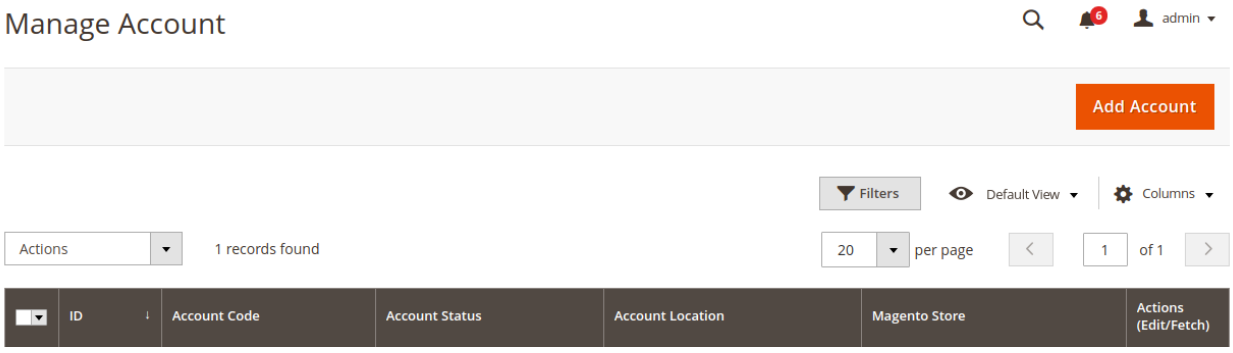
- Go to the Magento 2 admin panel.
- On the left navigation bar, click **Google Express.**



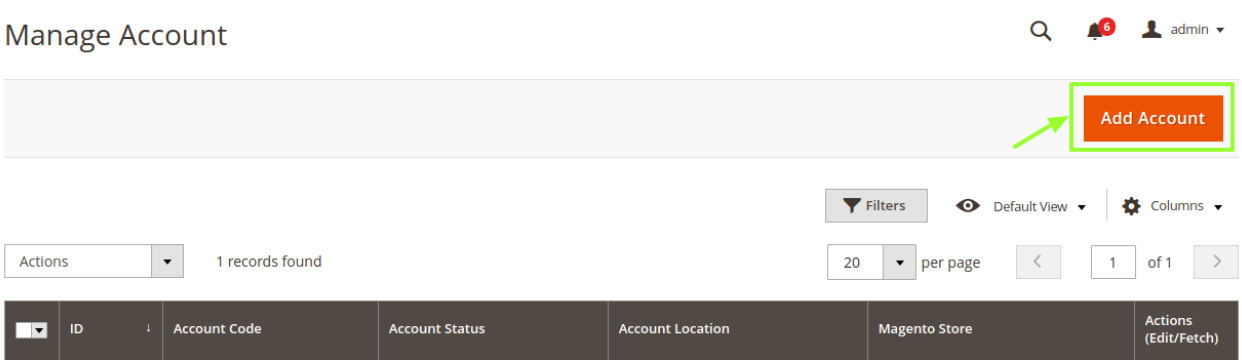
- When the menu appears, click **Manage Accounts.**



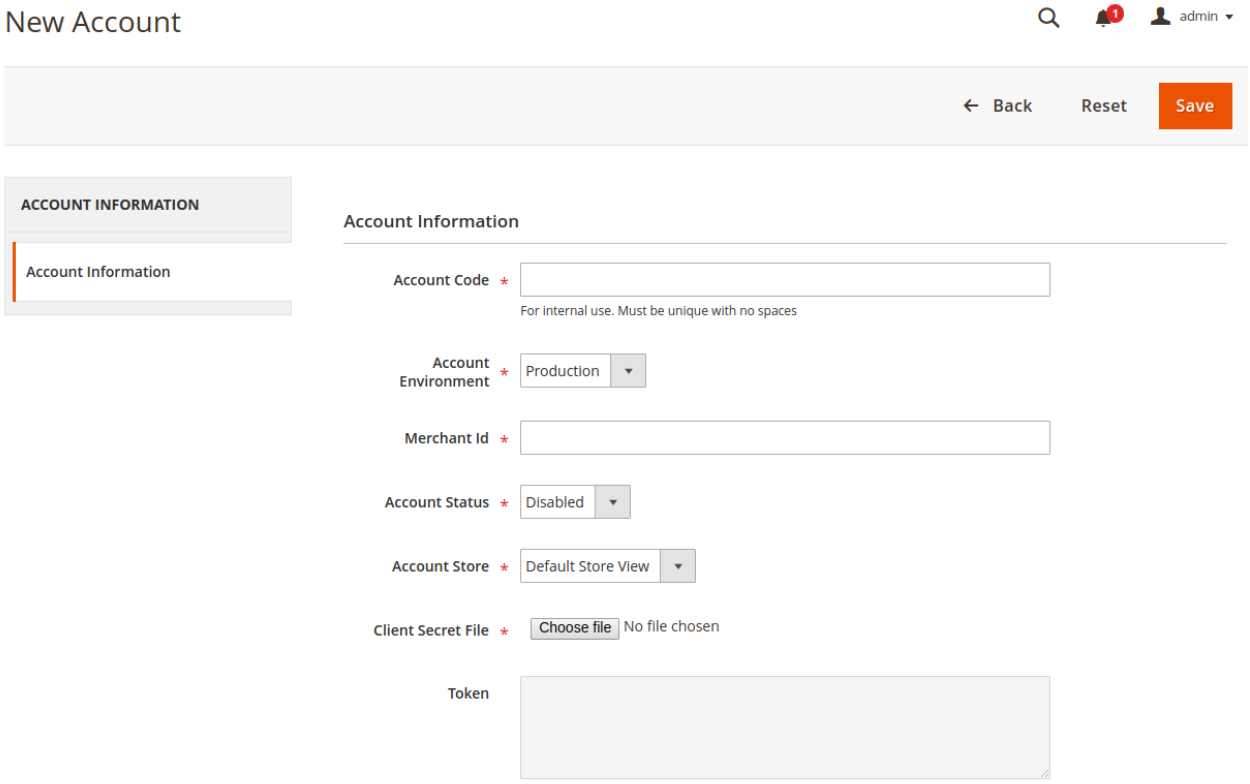
- On clicking it, you will be navigated to the page as shown below,



- Here all the accounts are listed.
- To add a new account, click on **Add Account** button on the top right corner.



- You'll be redirected on a new page:



- Enter the **Account Code** provided by Google Express, in the first section.
- Move to the next section and enter the **Account Environment,** to be either production or sandbox.
- Enter the **Merchant ID** in the next section.
- You can choose the status of the account under the section **Account Status.**
- In the **Account Store** section choose the view of the store.
- In the **Client Secret File** choose the file from the system.
  For the Client Secret File, you can refer to this **link(https://docs.cedcommerce.com/magento-2/google-express-integration-magento-2-user-guide/?section=manage-google-express-accounts)**
  .
- The **Token** section reflects the token once it gets verified.
- Once all the actions have been taken so far, click on the **Save** button on the top right of the page.

7. Manage Google Express Profiles

Admin can create a new profile and assign the required products to the profile. While creating and editing the profile, admin can map the Magento Store attributes to the Google Express attributes. These attributes are applicable to all the products that are assigned to the profile.

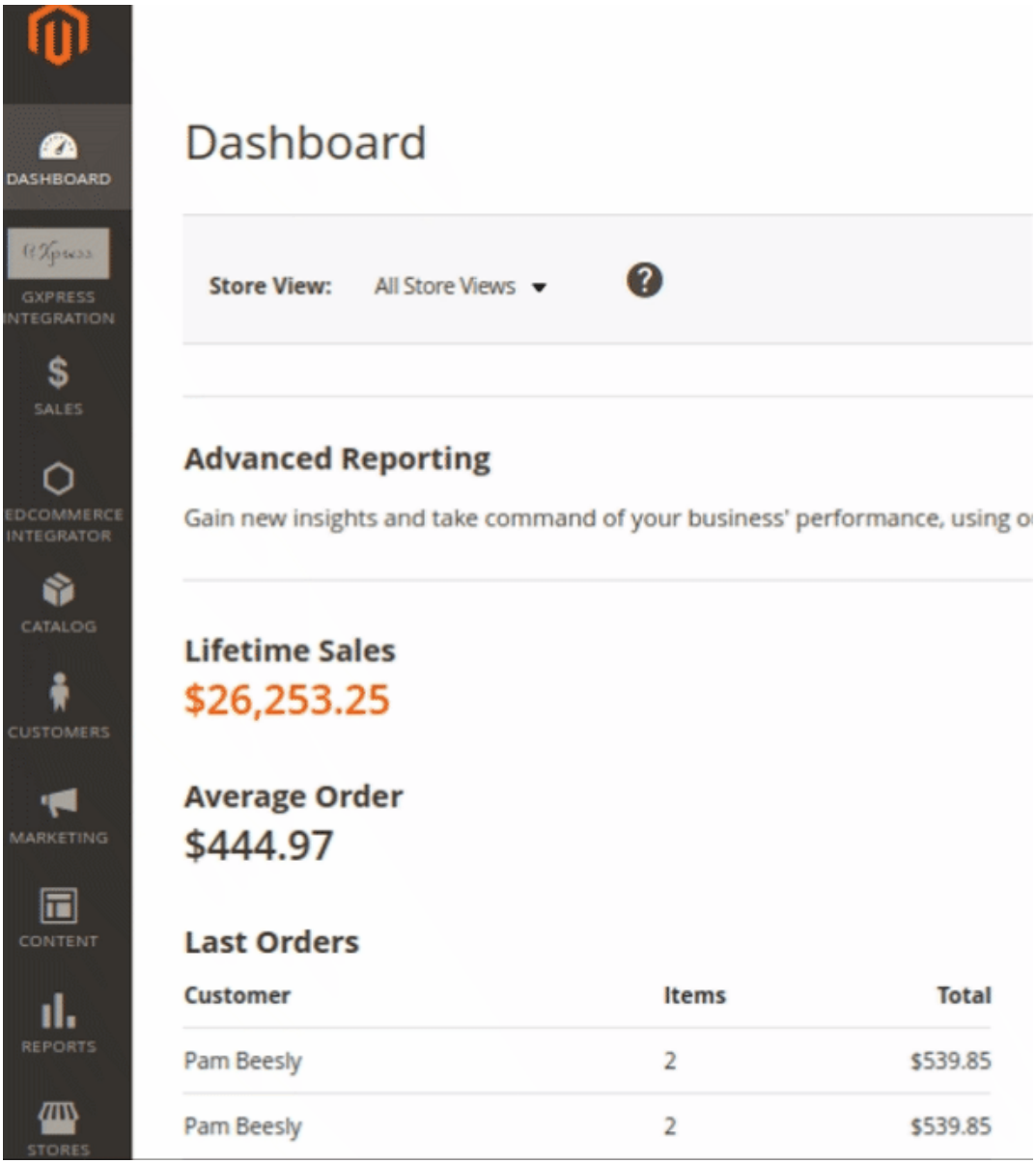
Admin can do the following tasks:

- Add a new profile
- Edit the existing profile
- Delete the profile
- Submit Actions on the Google Express Profile Listing Page
- Product Manager

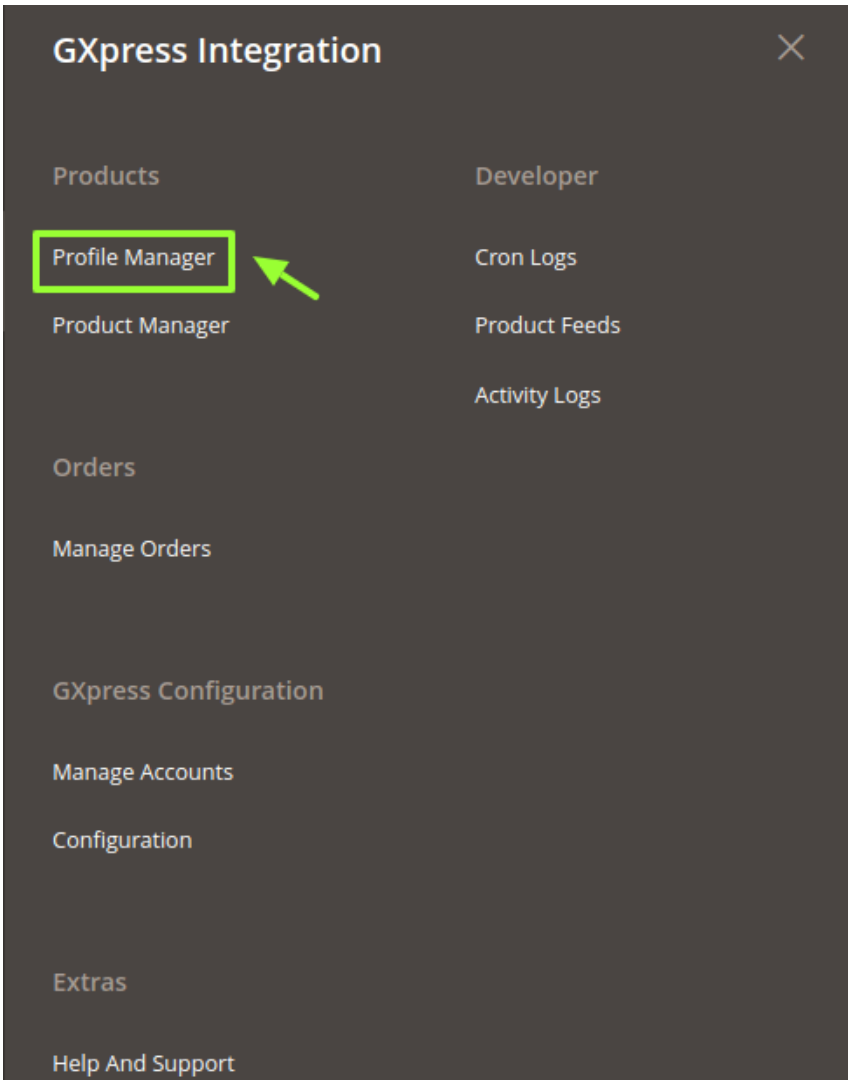
7.1. Add a New Profile

To add a new profile

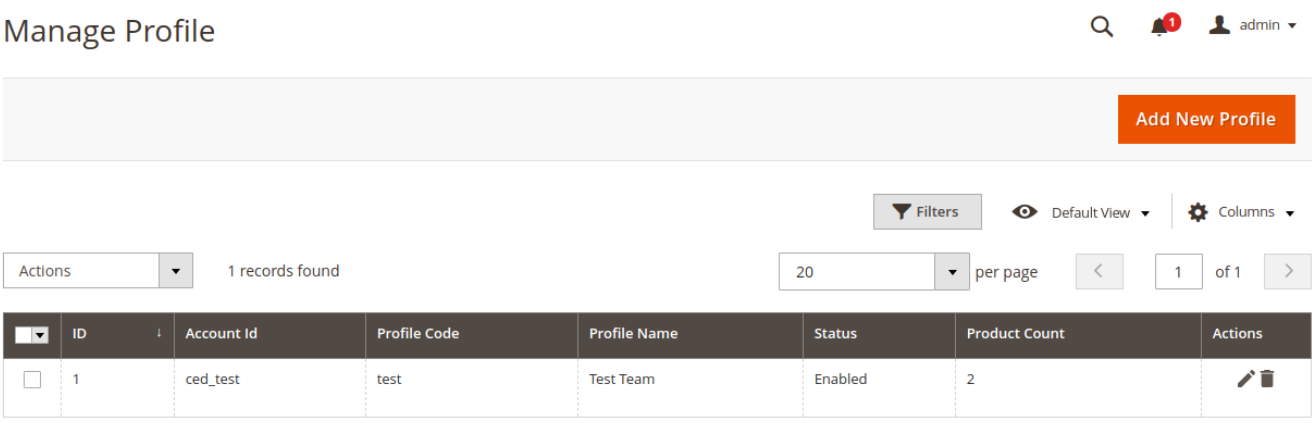
1. Go to the **Magento Admin** panel.
2. On the left navigation bar, click the **Google Express Integration** menu.



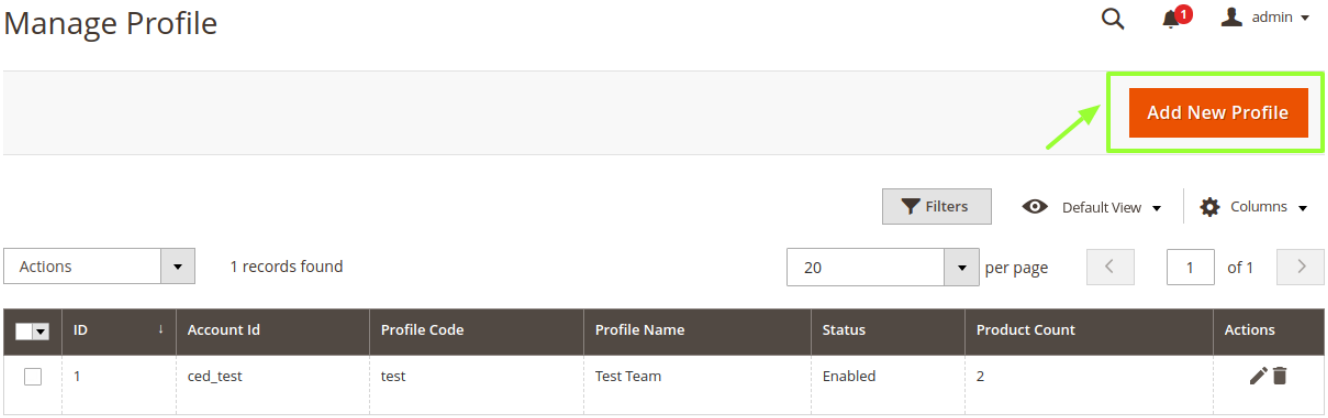
The menu appears as shown in the following figure:



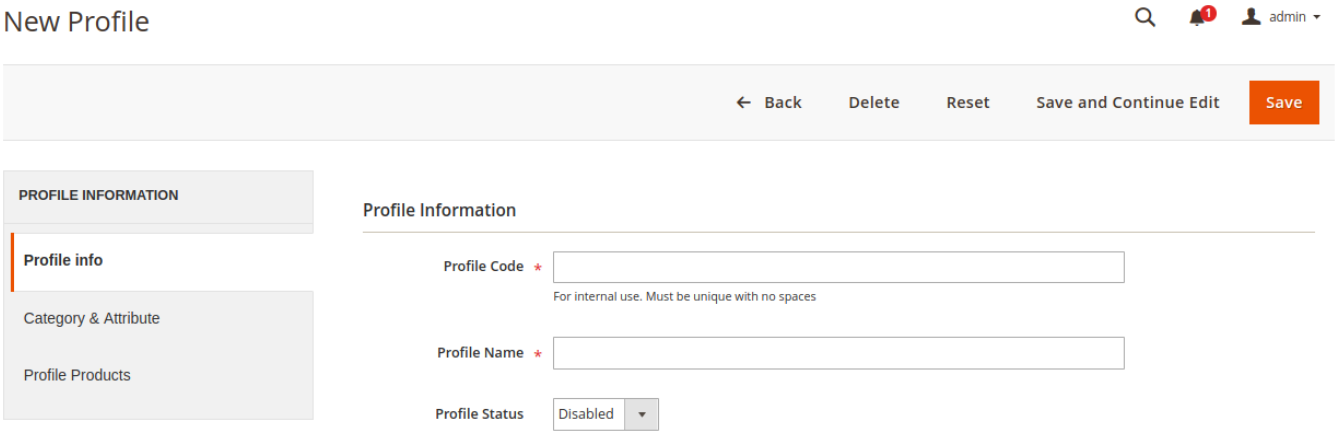
3. Click the **Profile Manager** menu.
The **Google Express Manage Profile** page appears as shown in the following figure:



4. Click the **Add New Profile** button.



The page appears as shown in the following figure:



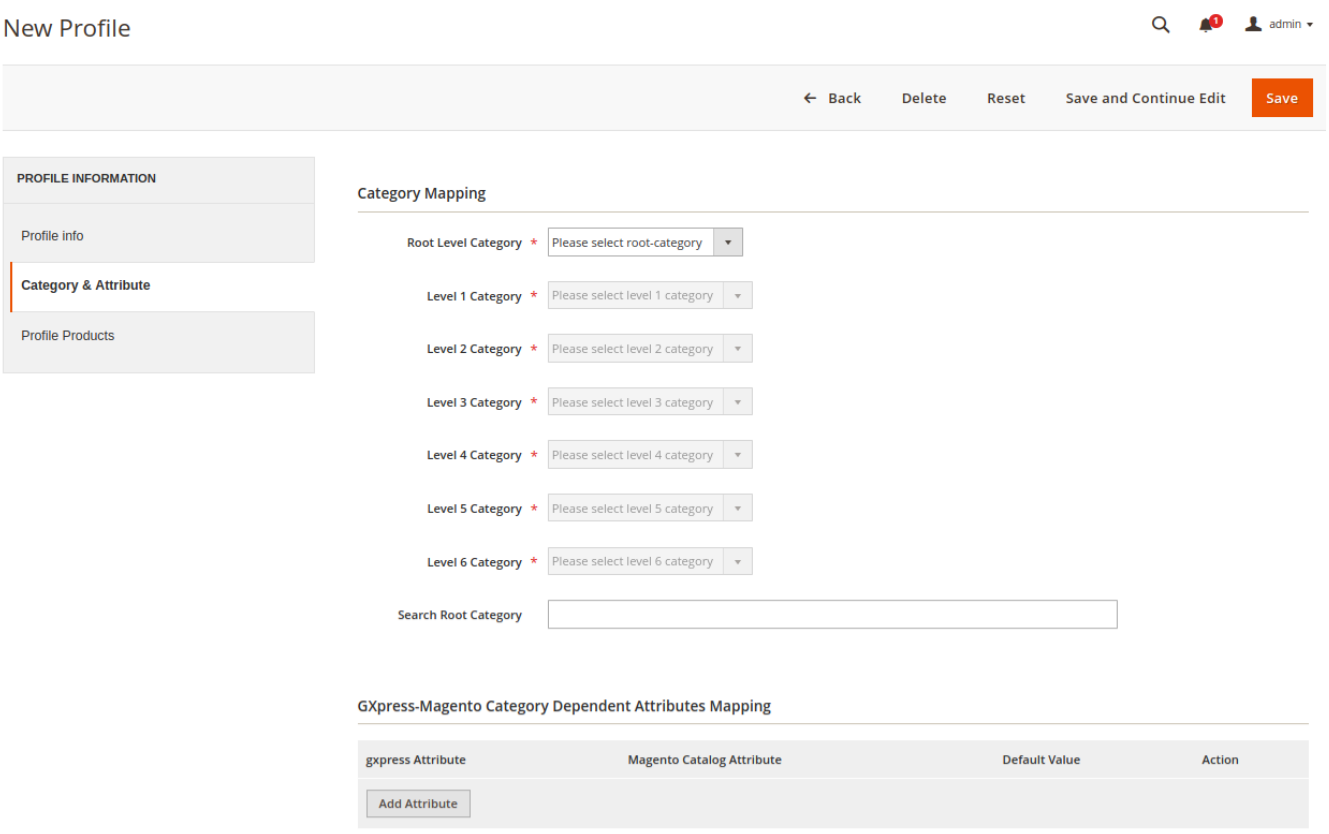
5. In the **Profile Code** box, enter a profile code.
Note: It is only for the internal use. Use the unique profile code with no spaces. Start with small letters.

6. In the **Profile Name** box, enter the name of the profile.
Note: Use the unique name to identify the profile.

7. In the **Status** list, select **Enabled** to enable the profile.
Note: The **Disabled** option disables the profile.

8. Click the **Save and Continue Edit** button.

9. In the left navigation panel, click the **Category & Attribute** menu.
The page appears as shown in the following figure:

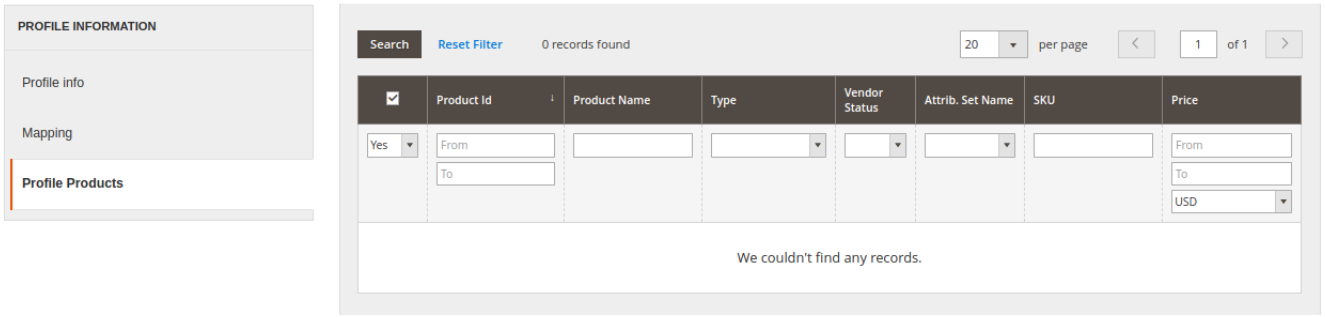


10. In the right panel, under **Category Mapping**, do the following steps:

- In the **Root Level Category**, select the preferred Google Express category that the admin wants to map.
- In the right panel perform the required mapping.
- You can also **Search Root Category** from the box provided.
- Click the **Add Attribute** button to add more attributes.

11. Click **Save and Continue Edit**.

12. In the left navigation panel, click the **Profile Products** menu. The page appears as shown in the following figure:



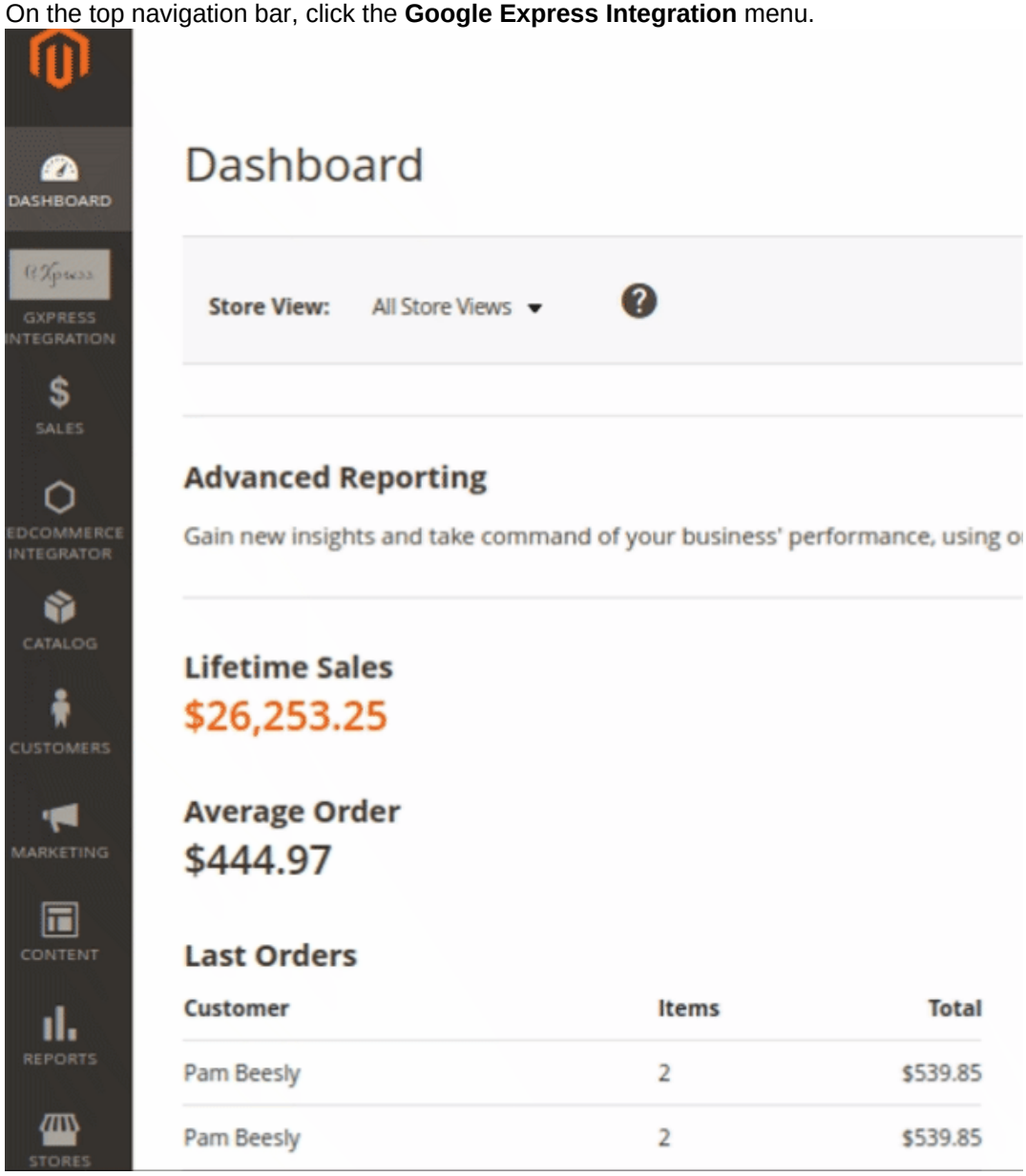
Since no products as assigned to the profile, there are no products listed in the table.

Click on save button present on the top right corner and the new profile will be saved.

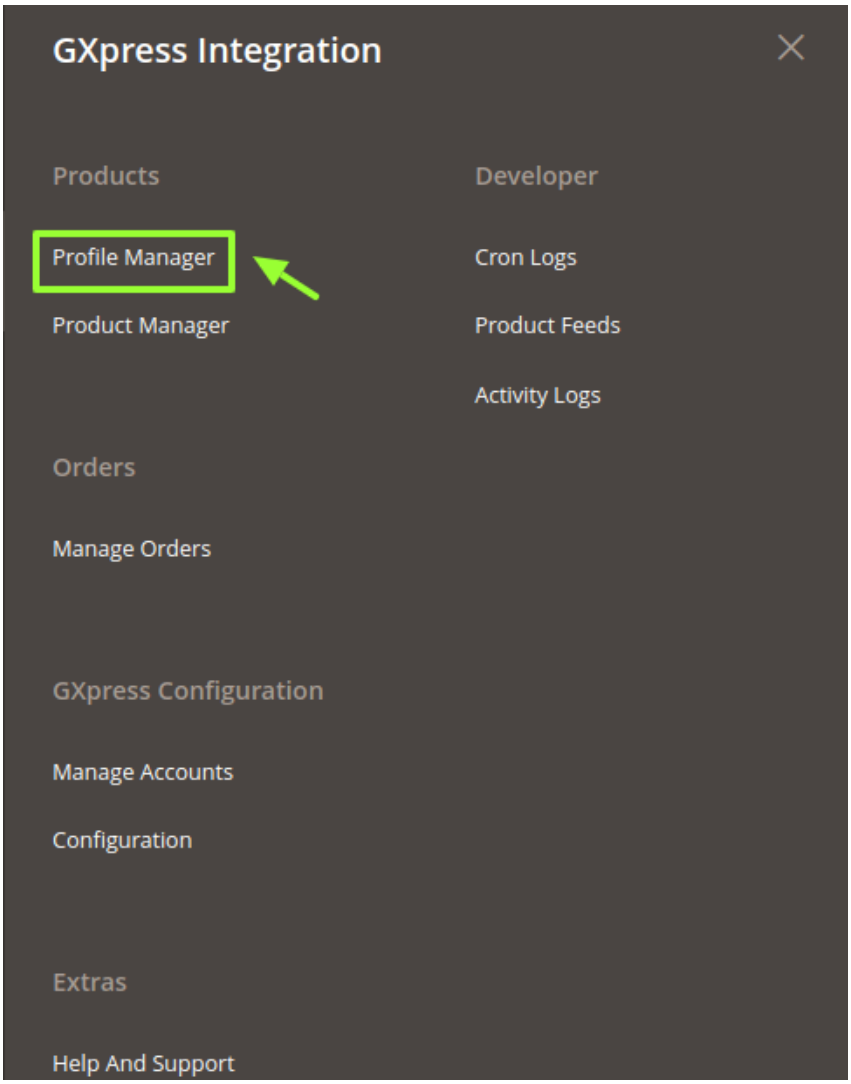
7.2. Edit the Existing Profile

To edit the existing profile

1. Go to the **Magento Admin** panel.
2. On the top navigation bar, click the **Google Express Integration** menu.

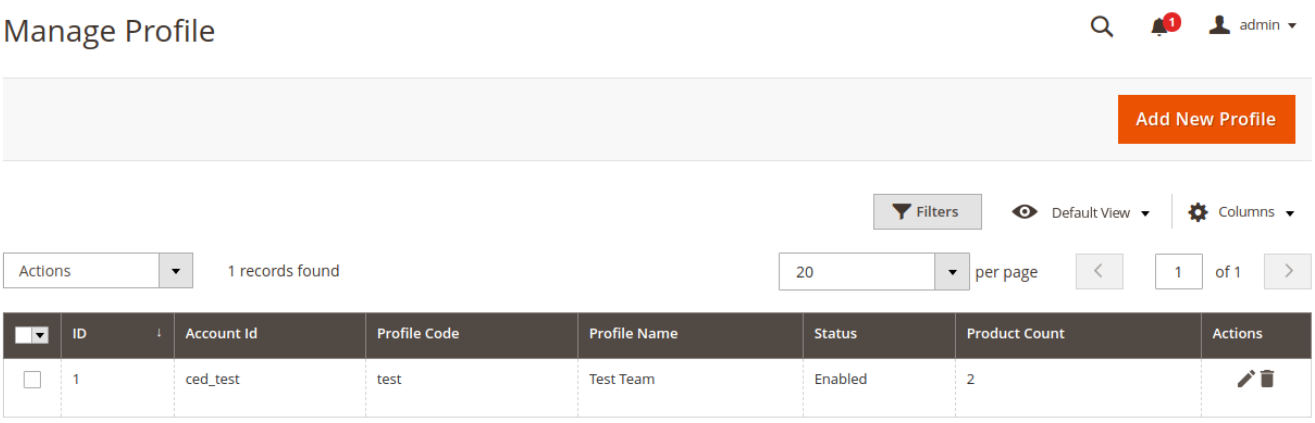


The menu appears as shown in the following figure:



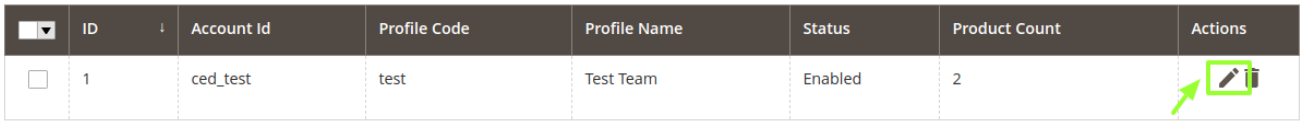
3. Click the **Profile Manager** menu.

The **Google Express Profile Listing** page appears as shown in the following figure:

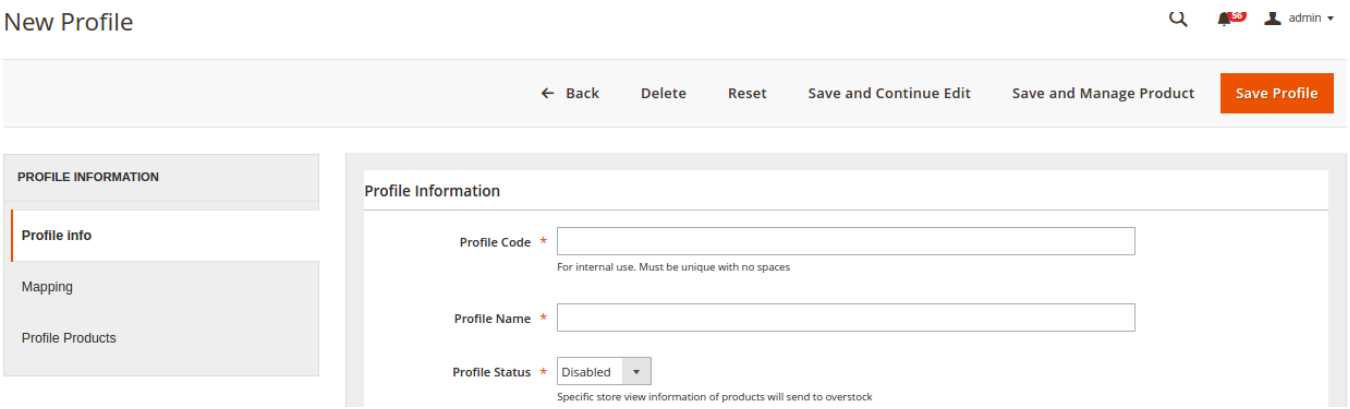


4. On this page, all the available profiles are listed.

5. Click the required row of the profile that the admin wants to edit. The **Edit Profile** page appears as shown in the following figure:



The profile page opens up as shown:



6. Make the changes as per requirement.

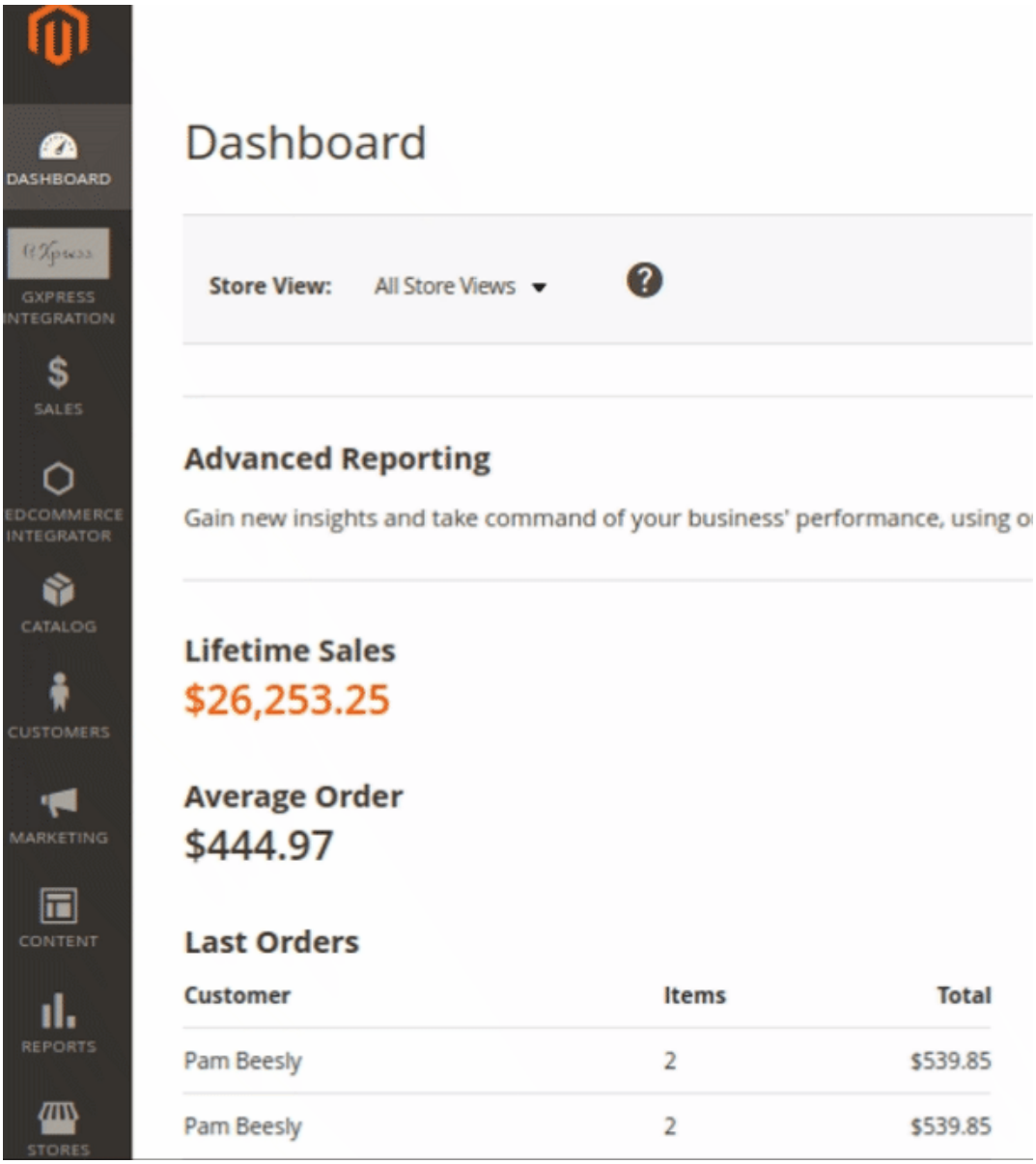
7. Click the **Save** button.
The changes are saved and listed on the **Google Express Profile Listing** page.

Or
8. Click the **Save and Continue Edit** button to save the created profile and continue editing, if required.
Or
9. Click the **Save and Upload Product** button to save the profile and make ready to upload the product on **Google Express**.
The assigned products are listed on the **Product Manager** page.

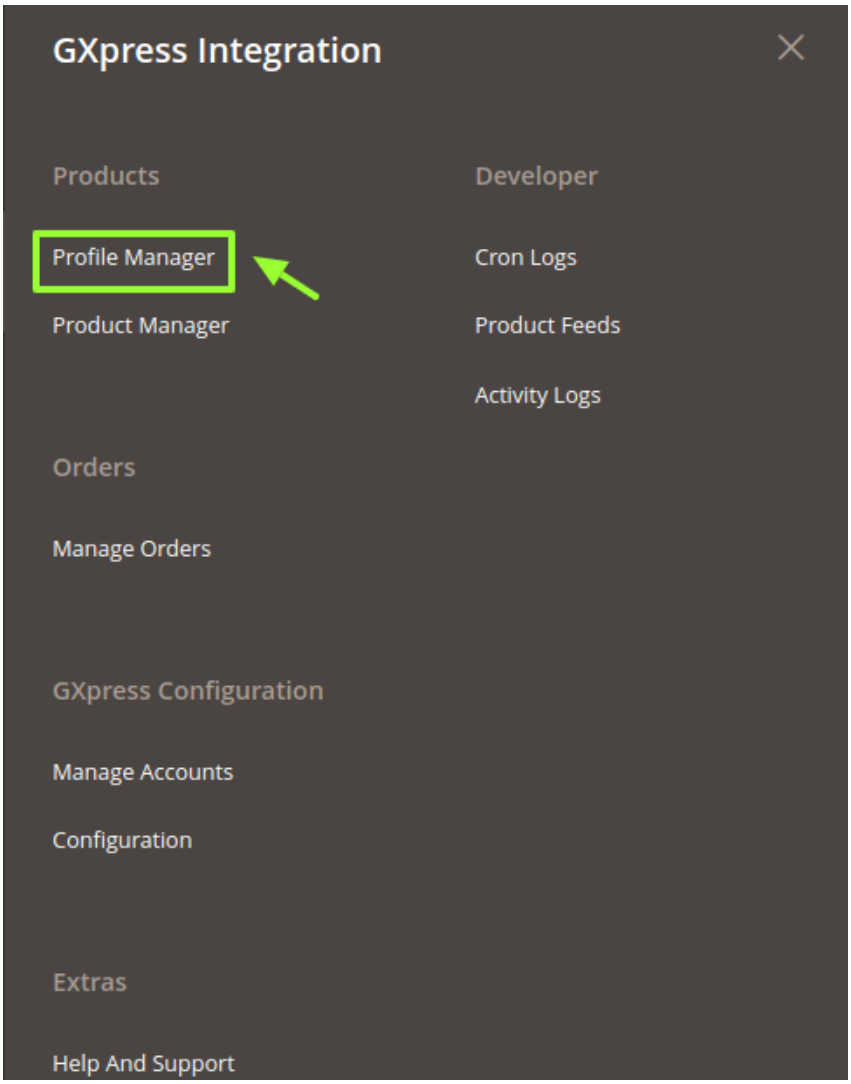
7.3. Delete the Profile

To delete the existing profile

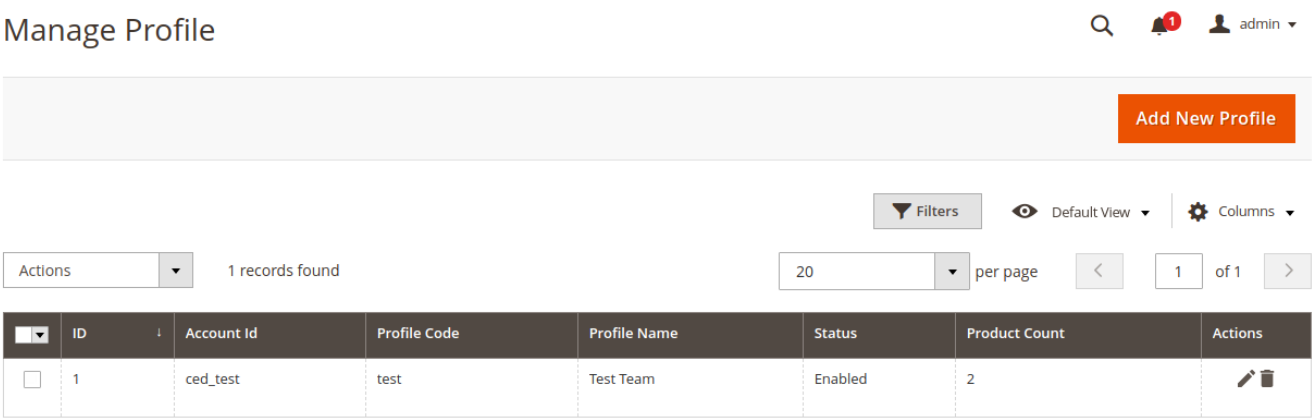
1. Go to the **Magento Admin** panel.
2. On the left navigation bar, click the Google Express menu.



3. The menu appears as shown in the following figure:



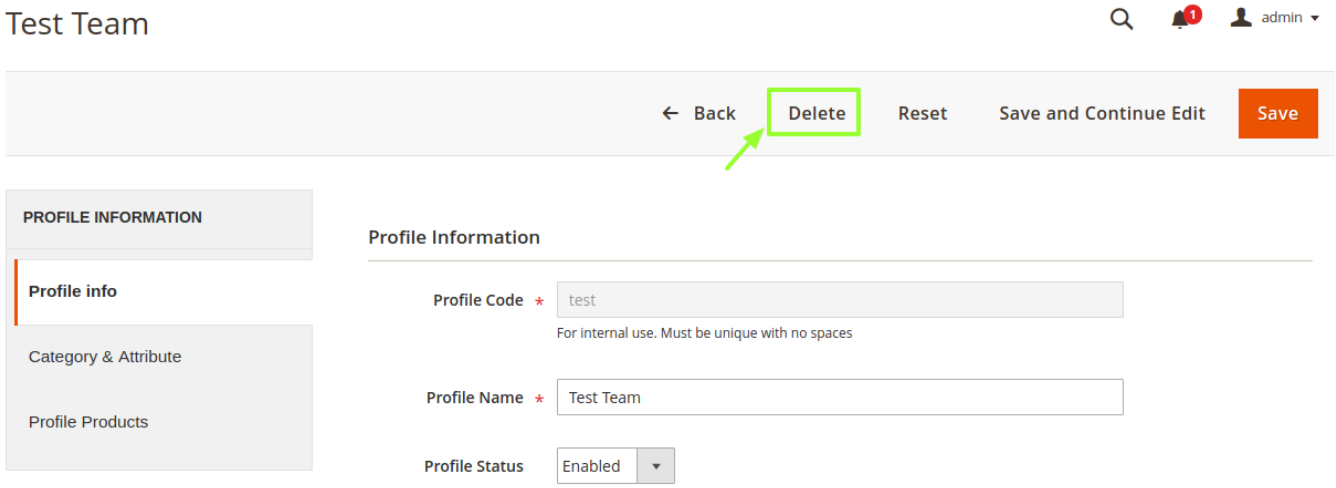
3. Click the **Profile Manager** menu.
The **Google Express Profile Listing** page appears as shown in the following figure:



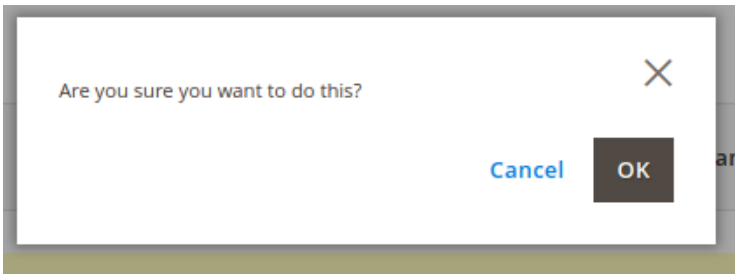
4. On this page, all the available profiles are listed.

5. Click the required row of the profile that the admin wants to delete.

The **Edit Profile** page appears as shown in the following figure:



6. Click on **Delete.** You will see the following pop up:



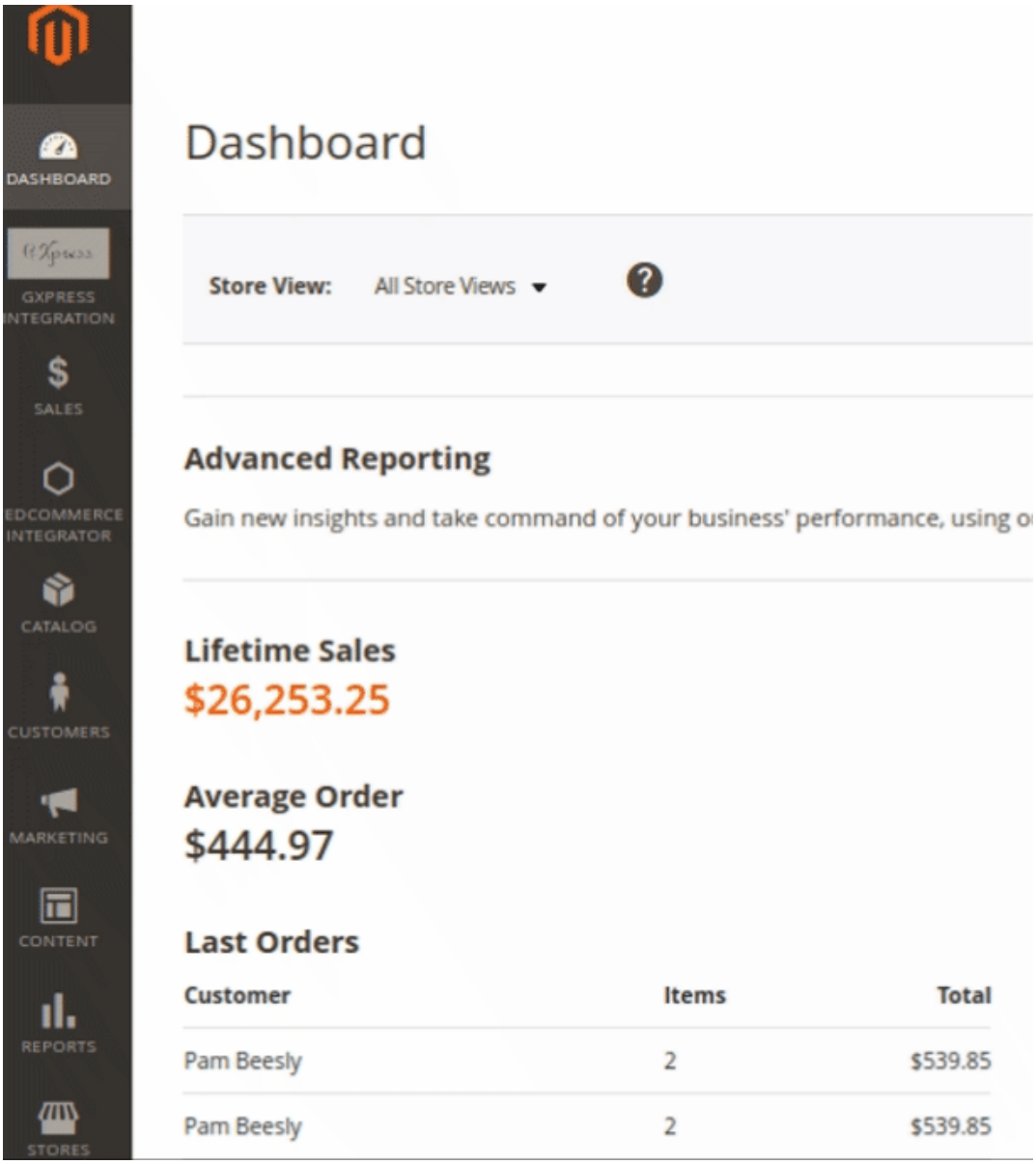
Click **OK** to confirm and the selected profile will be deleted.

7.4. Bulk Actions on the Google Express Profile Listing Page

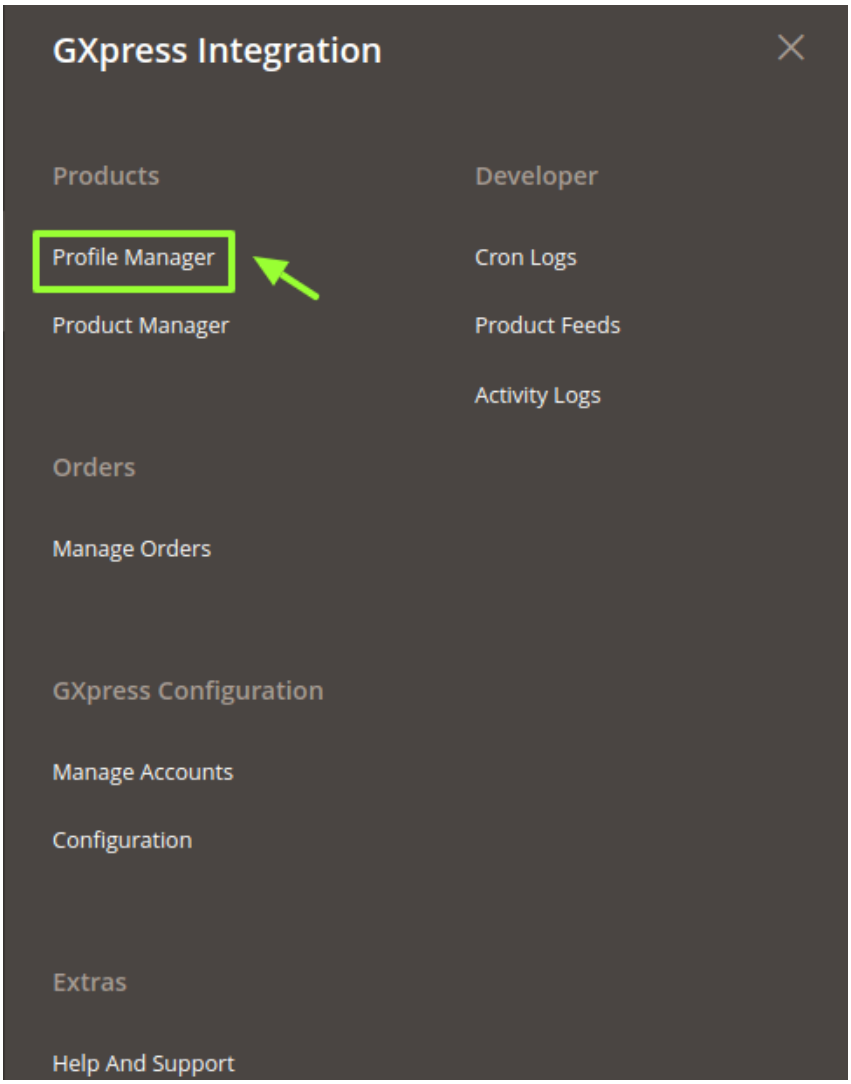
Admin can delete the selected profiles and also can change the status of the profiles in bulk.

To delete the selected profiles in Bulk

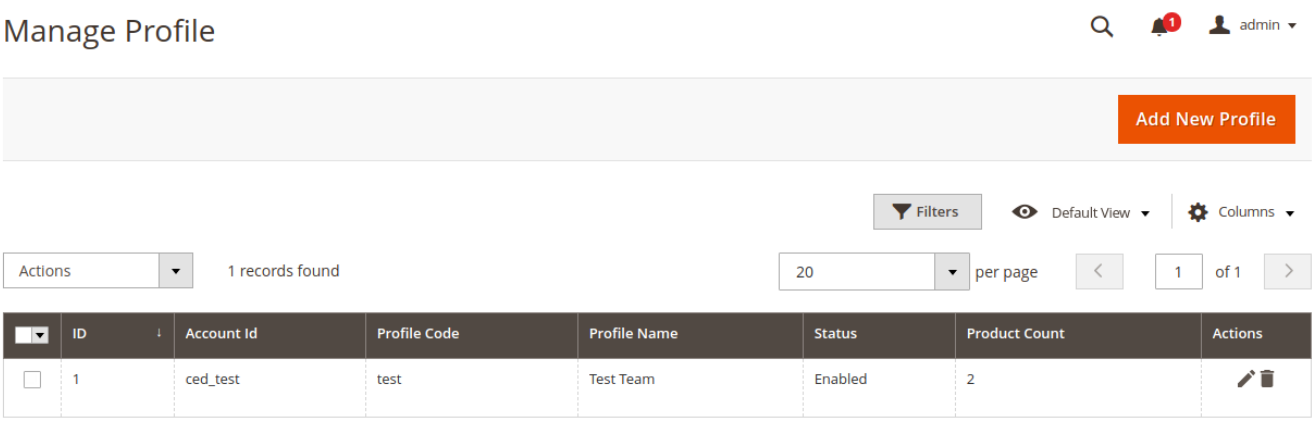
1. Go to the **Magento Admin** panel.
2. On the top navigation bar, click the **Google Express Integration** menu.



The menu appears as shown in the following figure:



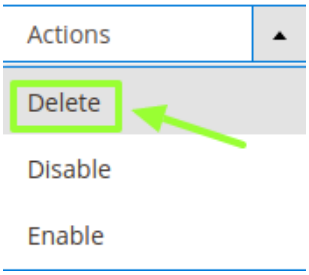
3. Click **Profile Manager**.
The **Google Express Profile Listing** page appears as shown in the following figure:



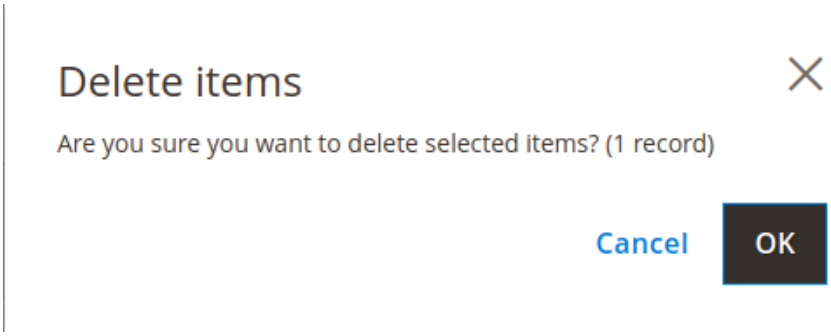
4. On this page, all the available profiles are listed.

5. Click on the checkboxes of the profiles you want to delete.

6. On the Actions tab click on the drop down. Click on **Delete** in order to remove the profiles.

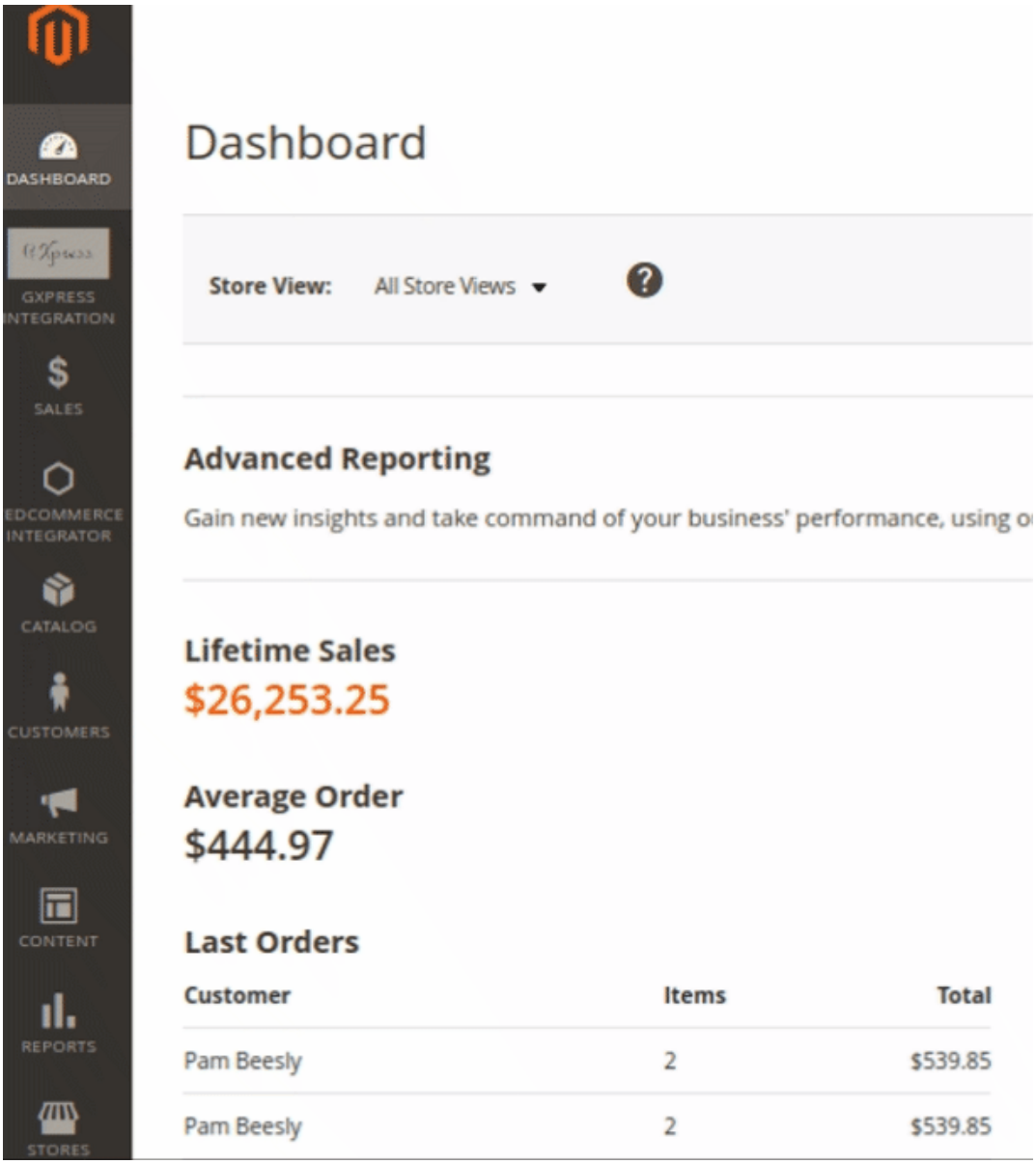


A Pop-up displayed to confirm your choice. Select OK to Delete the profile.

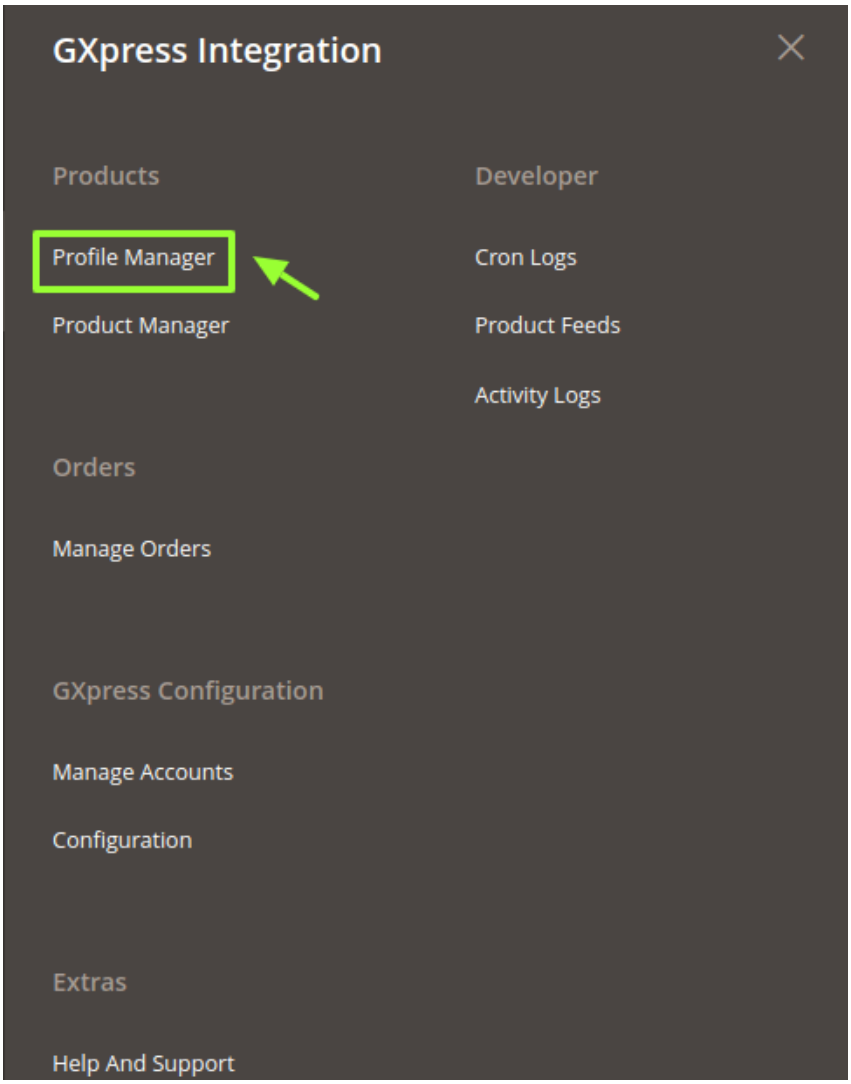


To change the status of the selected profiles:

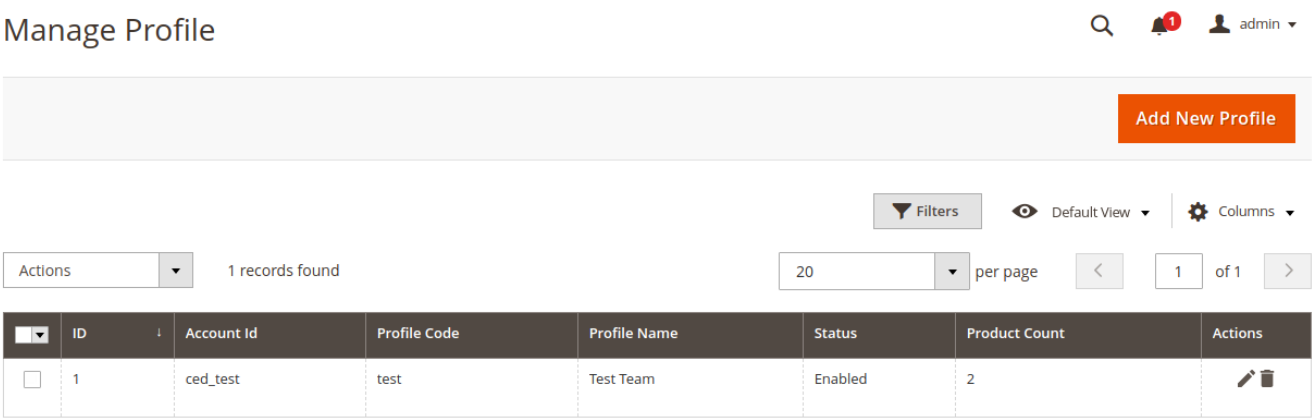
1. Go to the **Magento Admin** panel.
2. On the top navigation bar, click the **Google Express Integration** menu.



The menu appears as shown in the following figure:

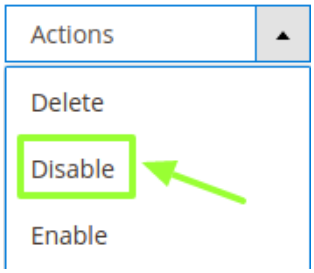


3. Click **Manage Profiles**.
The **Google Express Profile Listing** page appears as shown in the following figure:



4. On this page, all the available profiles are listed.

5. Click on the checkboxes of the profiles you want to change the status of.



6. On the Actions tab click on the drop down. Click on **Disable/Enable** in order to change the status of the profiles. the profiles. When the status change is successfully performed a success message displays on the screen.

8. Manage Google Express Products

Admin can view, edit, and upload the individual product. Also, the admin can view the error message if any error exists in any product details. The admin can also submit certain actions on the selected products available on the **Product Manager** page.

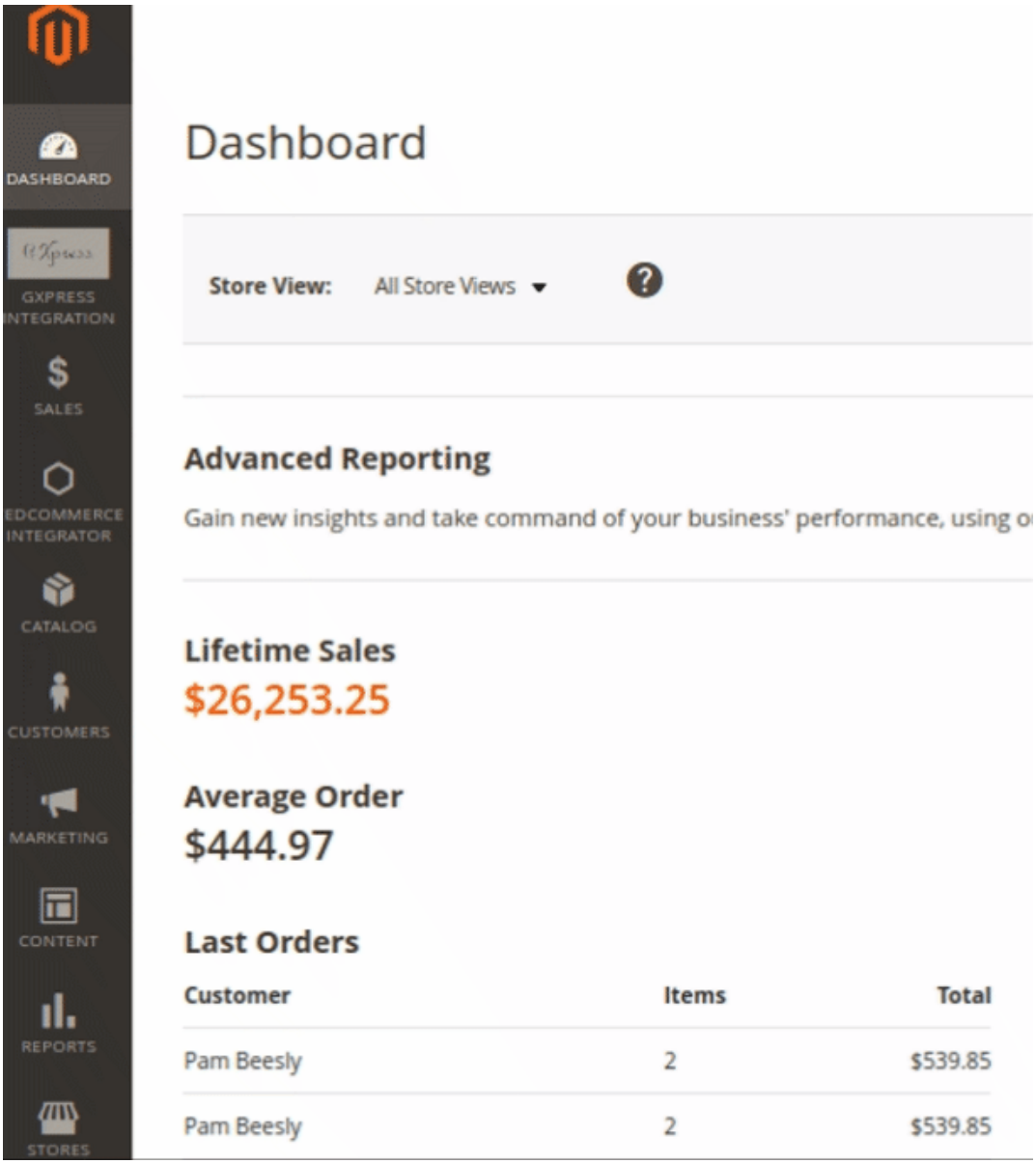
Thus, on the Product Manager page, the user can perform the following these tasks:

- ***Upload Single Product***: The user can upload the products that are listed on the **Product Manager** page, to the Google Express website.
- ***Sync Inventory & Price:*** Users can easily sync the inventory and the pricing of the products between the Magento store and Google Express.

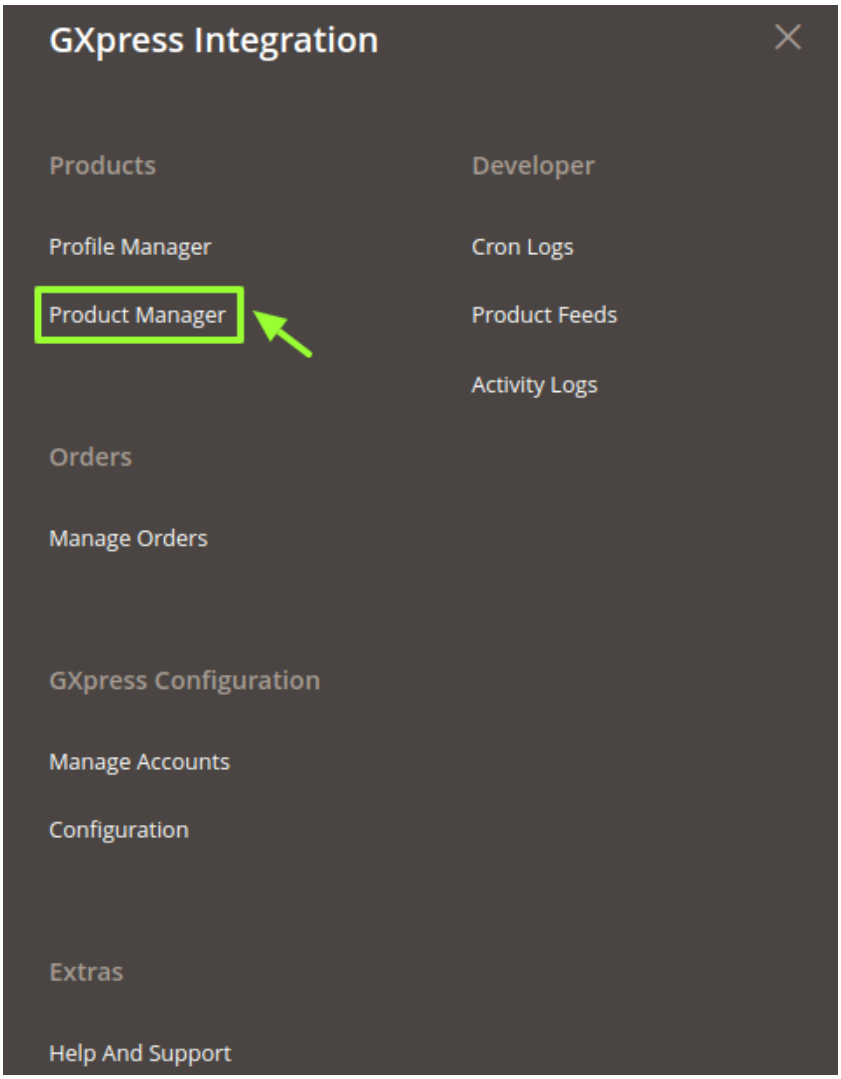
8.1. Upload Products on Google Express

To upload a single product

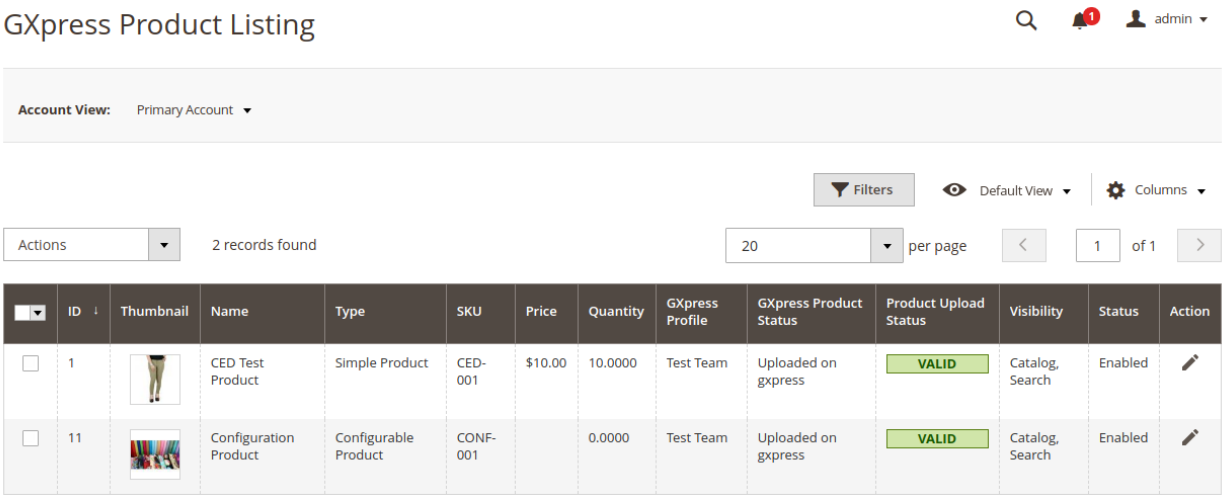
1. Go to the **Magento Admin** panel.
2. On the top navigation bar, click the **Google Express Integration** menu.



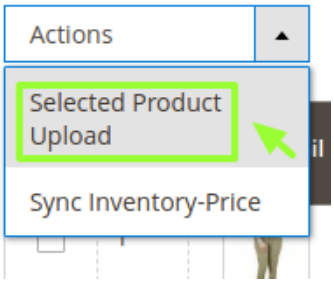
3. Click on **Product Manager.**



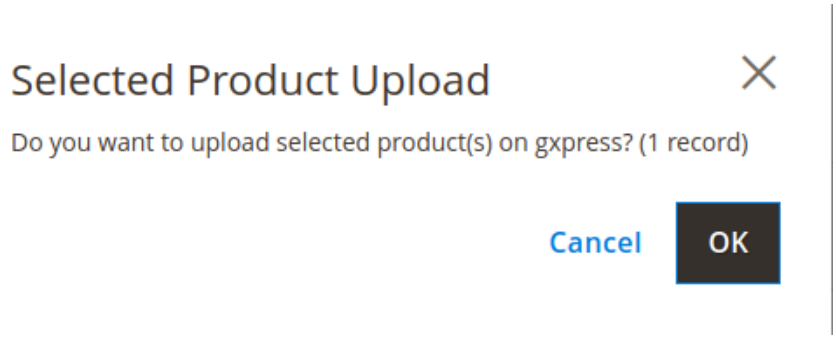
4. The following window will appear:



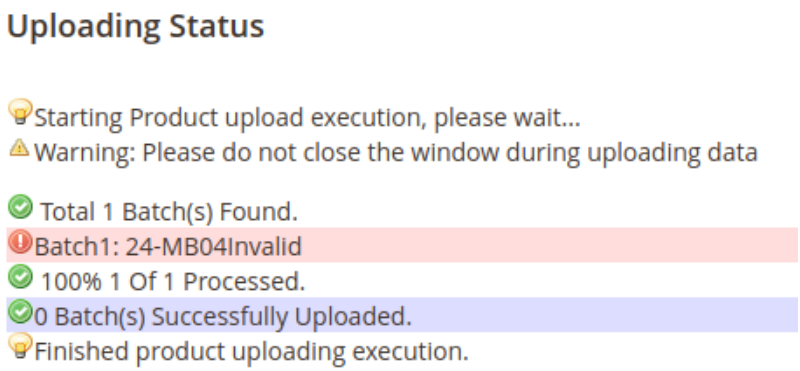
Select the checkboxes respective to the products you want to upload.5. In the **Action** Column select **Selected Product Upload** from the drop down.



A confirmation message appears. Click on OK.



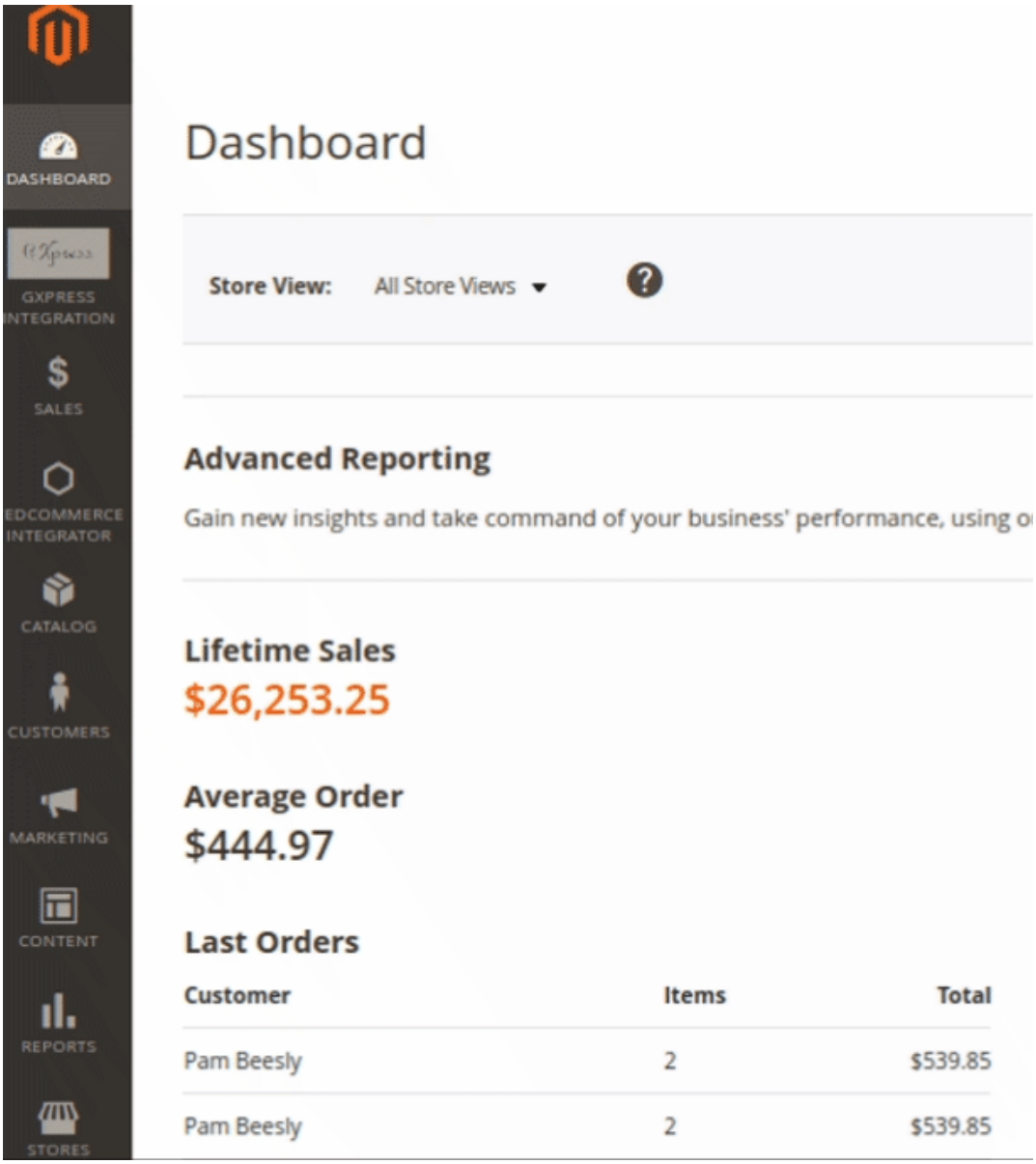
7. If the product is uploaded successfully, then the success message appears on the top of the page. If there is an error, then the error message appears on the top of the page.



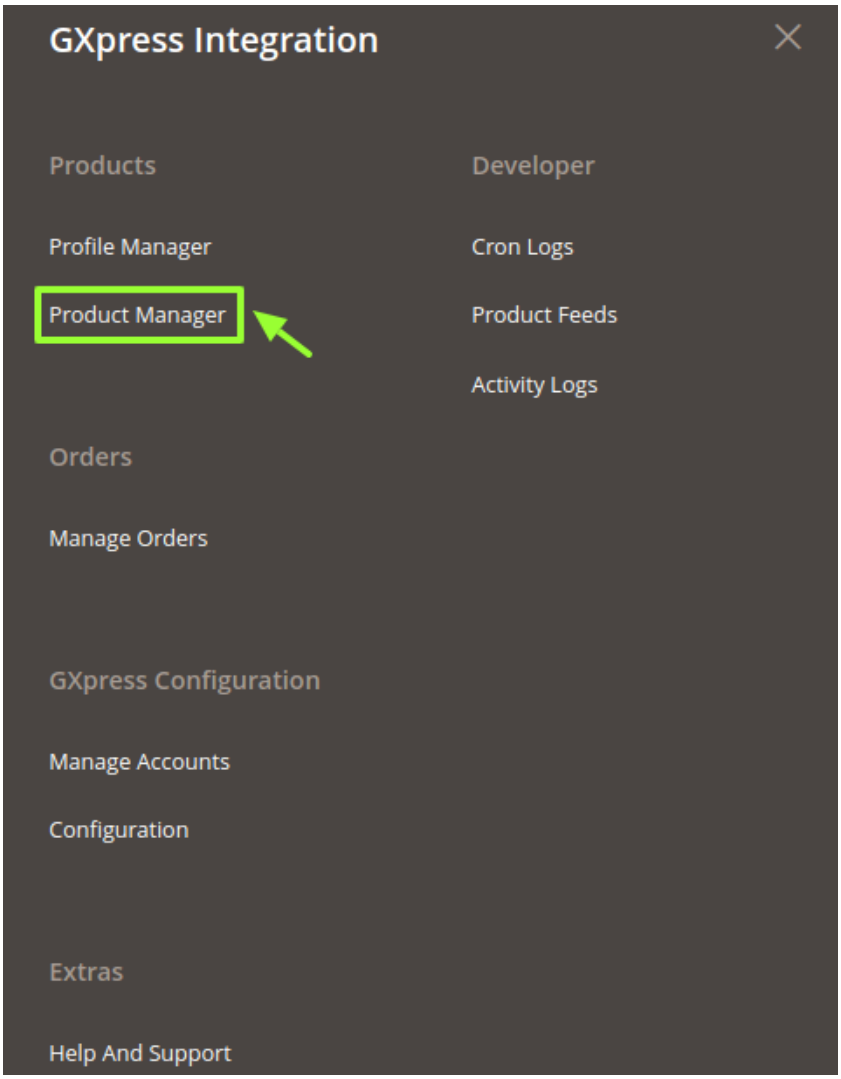
8.2. To Sync the Inventory & Price

To sync inventory and price

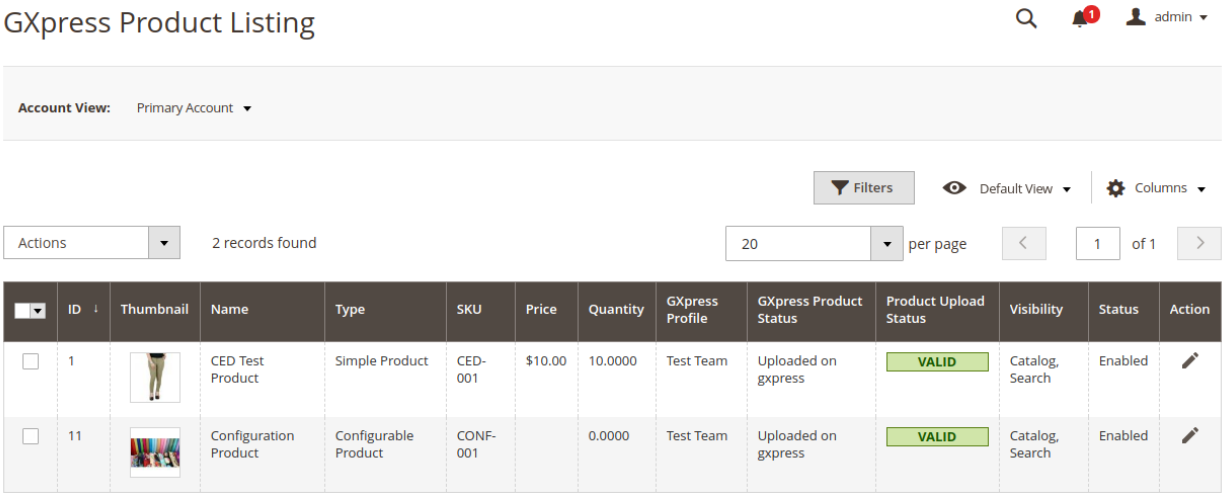
1. Go to the Admin panel.
2. On the left navigation bar, click the **Google Express** menu.



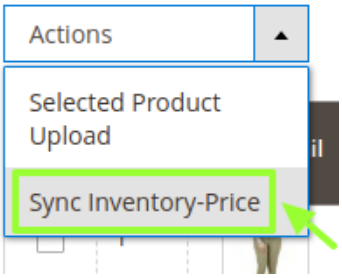
The menu appears as shown in the following figure:



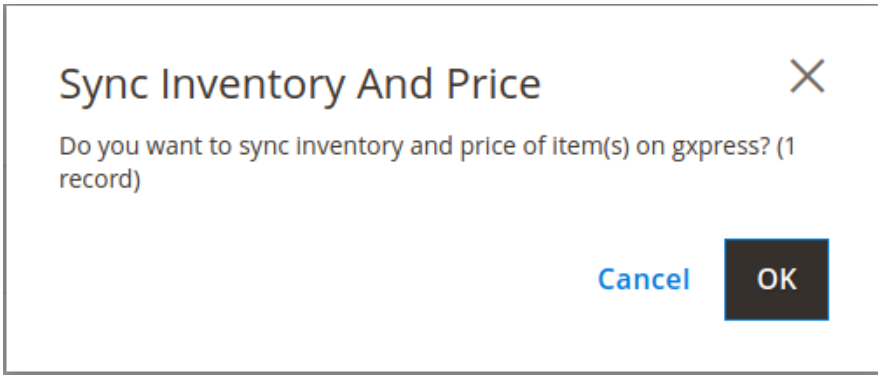
3. Click **Product Manager**.
   The **Google Express Product Listing** page appears as shown in the following figure:



4. Select the products for which you want to sync the price and inventory, by checking the corresponding boxes.
5. Click the **Arrow** button next to the **Actions** list, and then click **Sync Inventory-Price.**



6. A Confirmation dialog box appears as shown in the following figure. Click **OK**.



7. The inventory and price of selected products get synced between Magento and Google Express.

9. Google Express Orders

Admin can view the following details from the **Google Express Orders** menu:

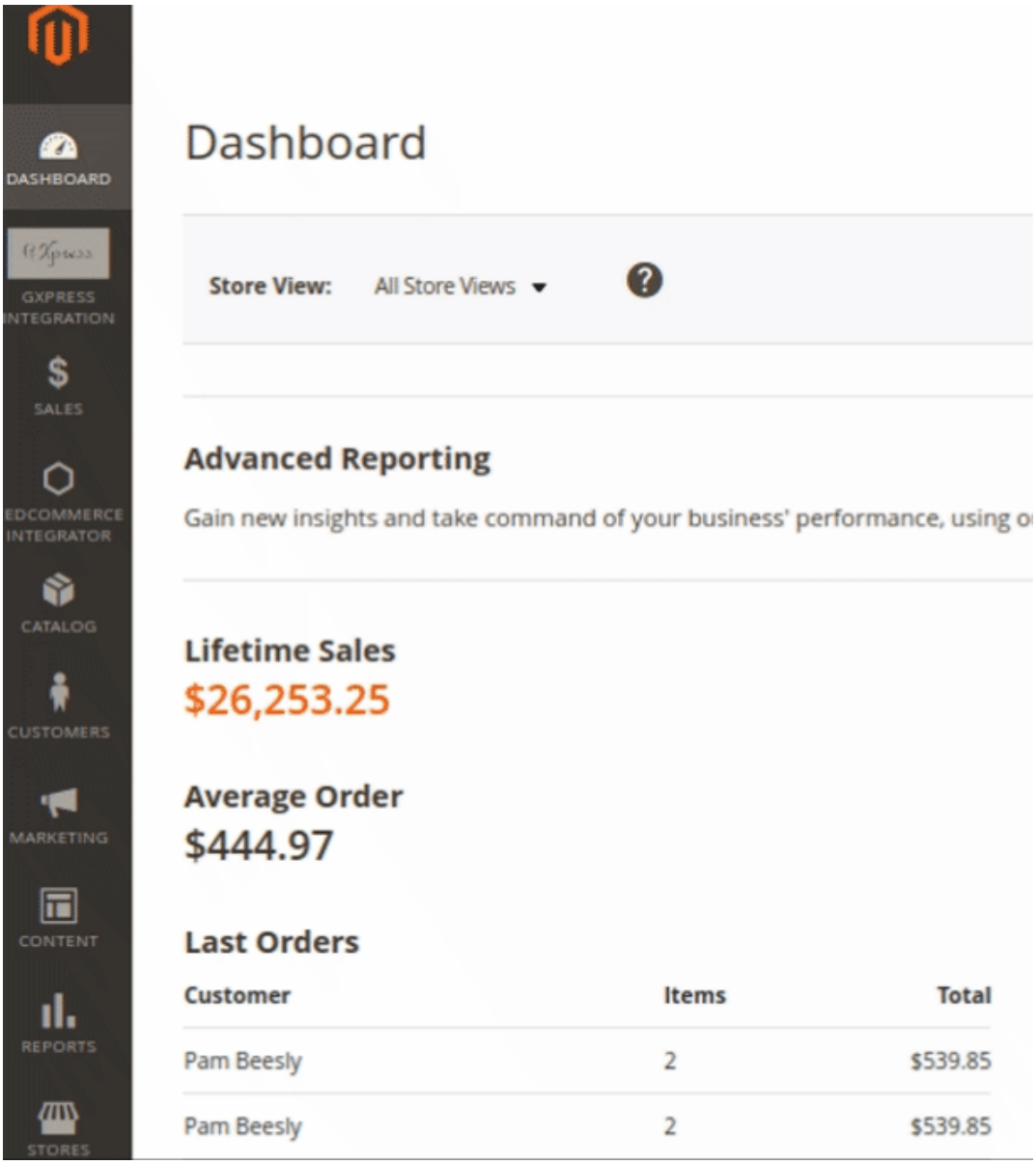
- View **Google Express Orders**
- View **Google Express Failed Orders**

9.1. Fetch Google Express Orders

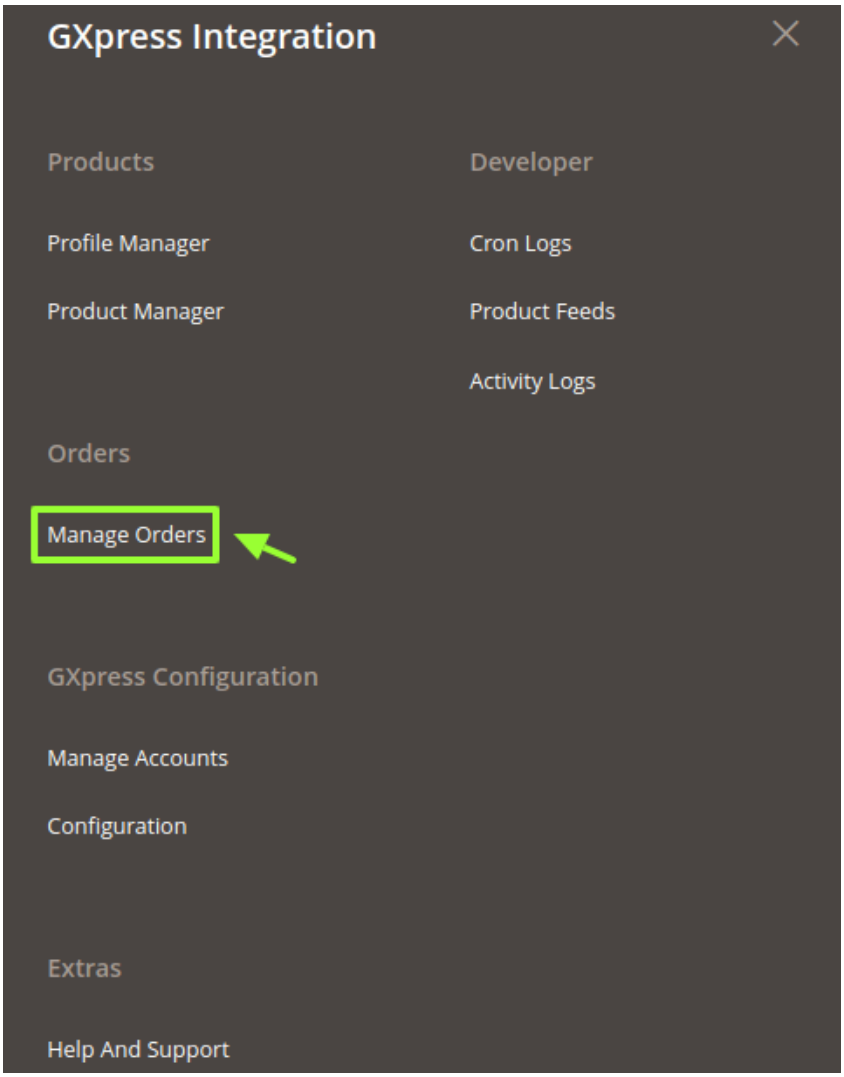
The user can fetch all the order details from Google Express. Also, later on, can proceed further for shipment.

To fetch Google Express Orders

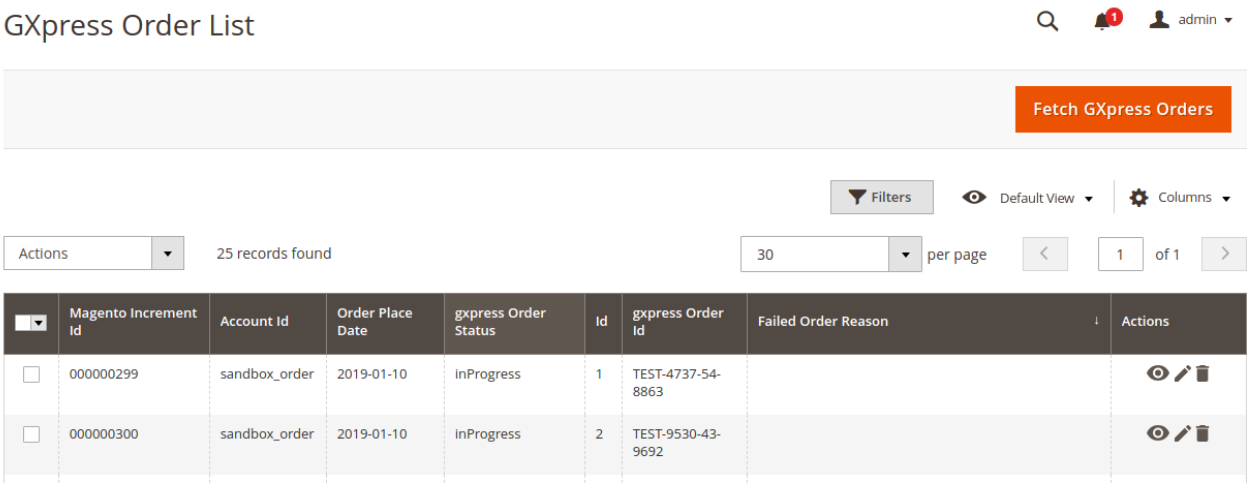
1. Go to **Magento Admin** panel.



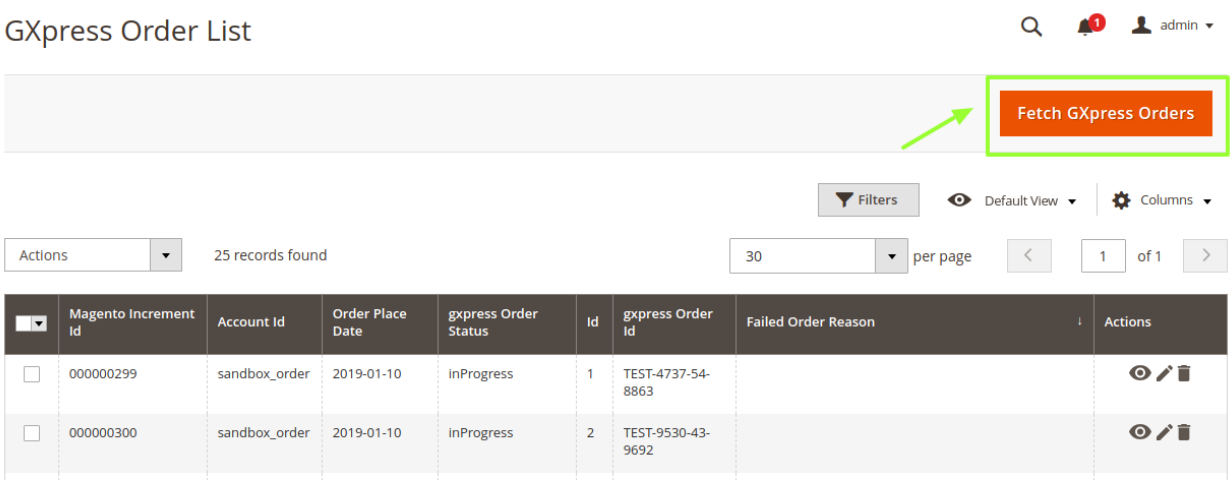
2. Click the **Google Express Integration** menu, and then click **View Google Express Orders.**



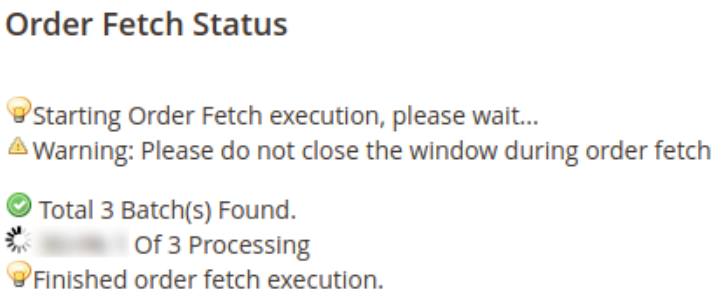
3. The **Google Express Orders** page appears as shown in the following figure:



4. Click the **Fetch New Orders** button.



5. If the order is imported successfully, a success message appears like this:



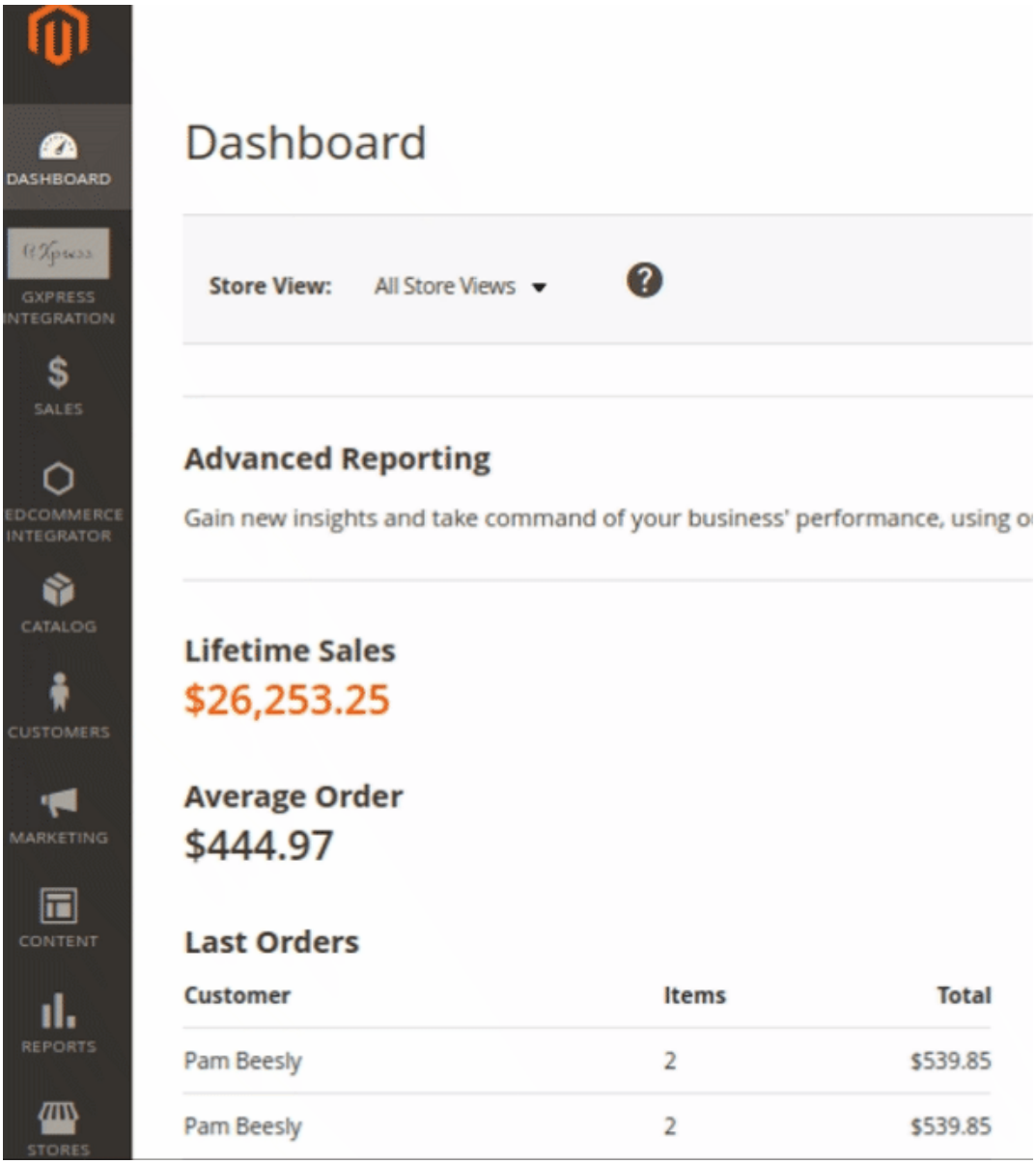
Notes:

- Orders are automatically imported through CRON in every 10 minutes.
- Whenever the latest orders are imported from **Google Express**, a Notification appears in the notification area of the Admin panel for those orders and they are Auto-Acknowledged as soon as they are imported into the Magento admin panel.
- If no Order is imported, then check the Failed order log on the **Failed Google Express Orders Import Log**
- Order are auto-rejected on Google Express in the following conditions:
    - When Google Express Product SKU does not exist in Magento store.
    - When Product is Out of Stock in Magento store.
    - When a product is disabled in Magento store.

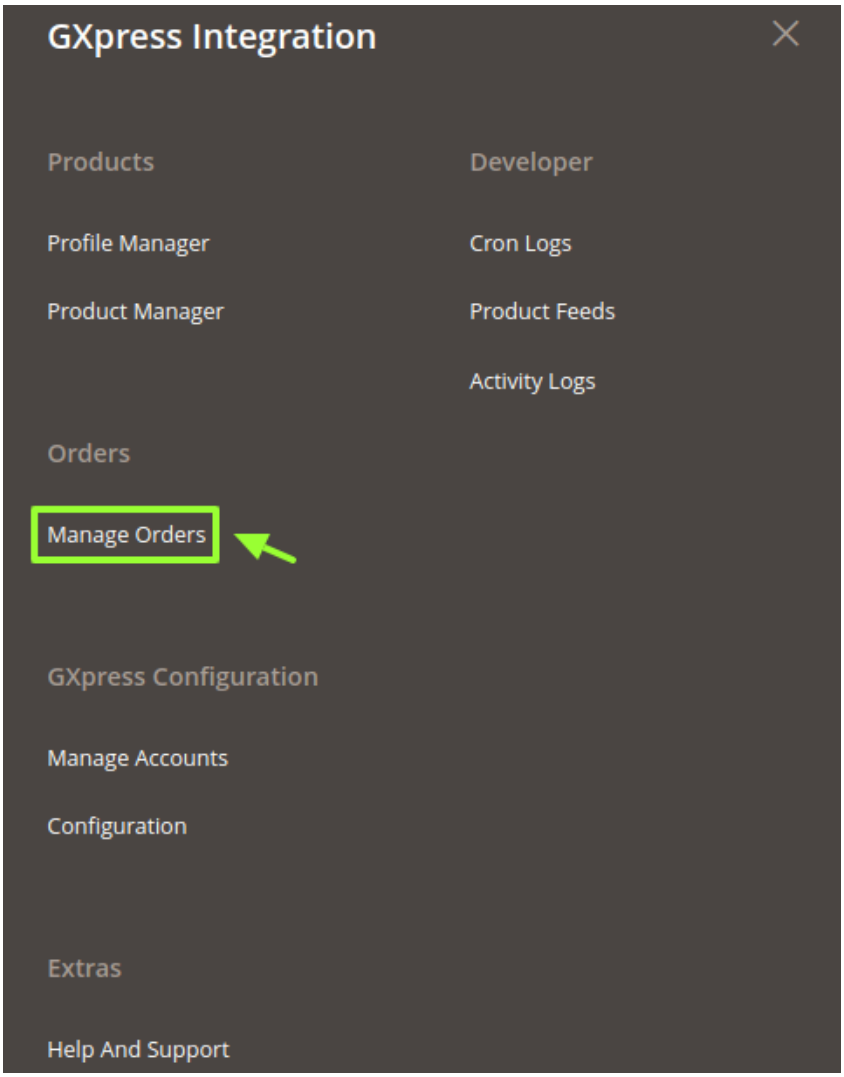
9.2. View Google Express Orders

To view the selected order

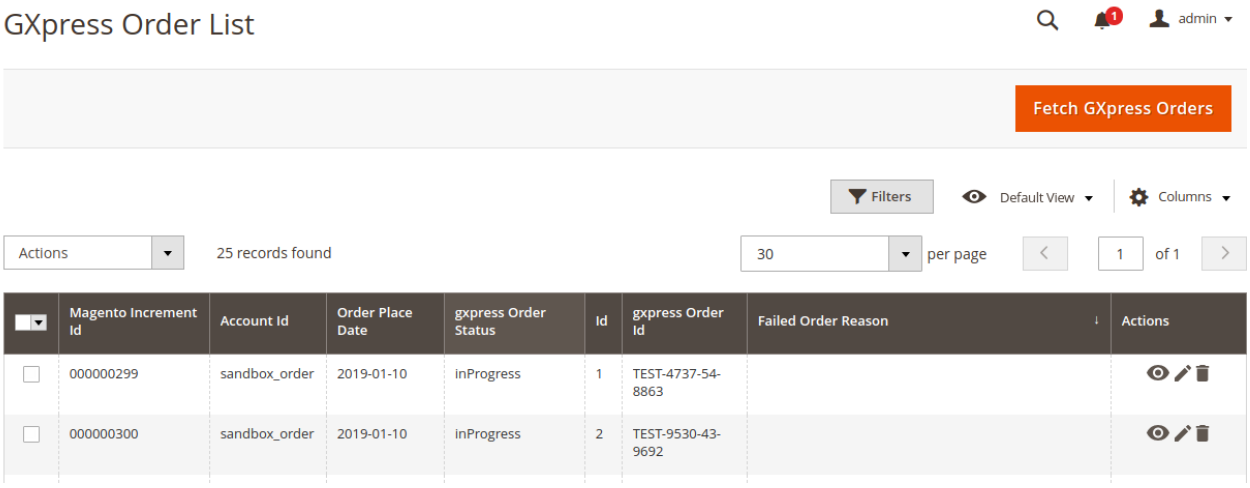
1. Go to **Magento Admin** panel.



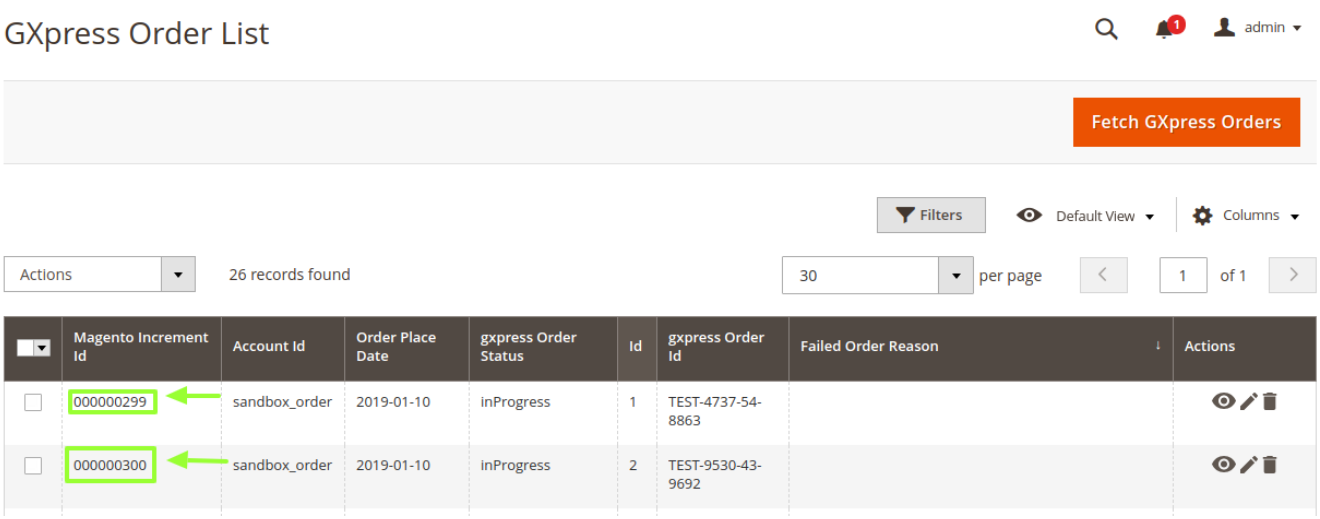
2. Click the **Google Express Integration** menu, and then click **Manage Orders.**



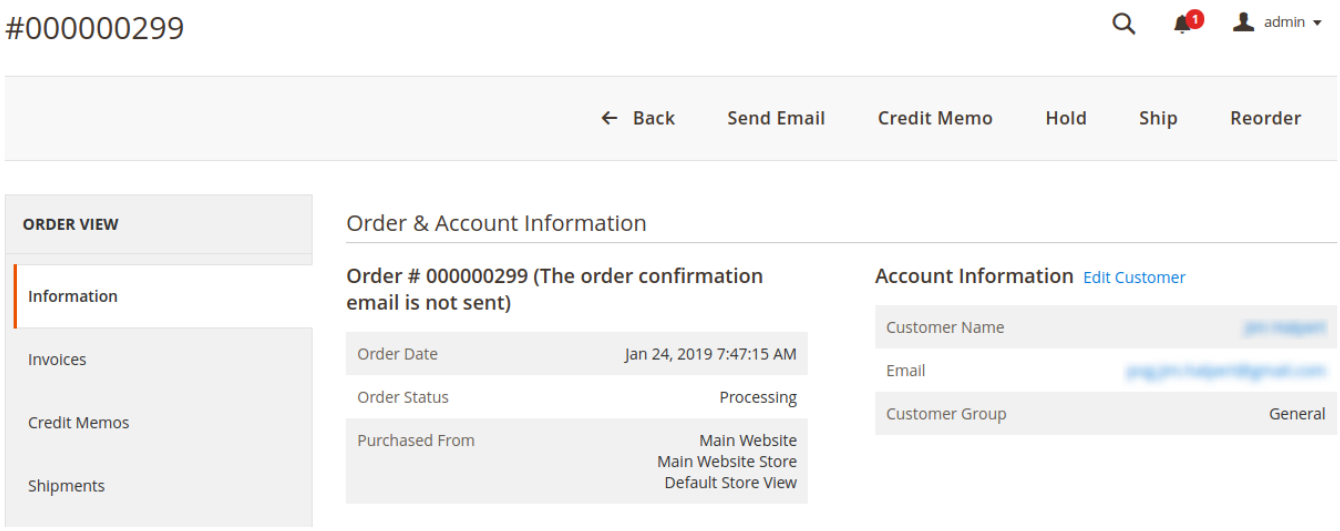
3. The **Google Express Orders Details** page appears as shown in the following figure:



3. In the **Magento Increment Id** column, click the link associated with the required order.



The page appears as shown in the following figure:



4. Here all the information regarding the order is available.

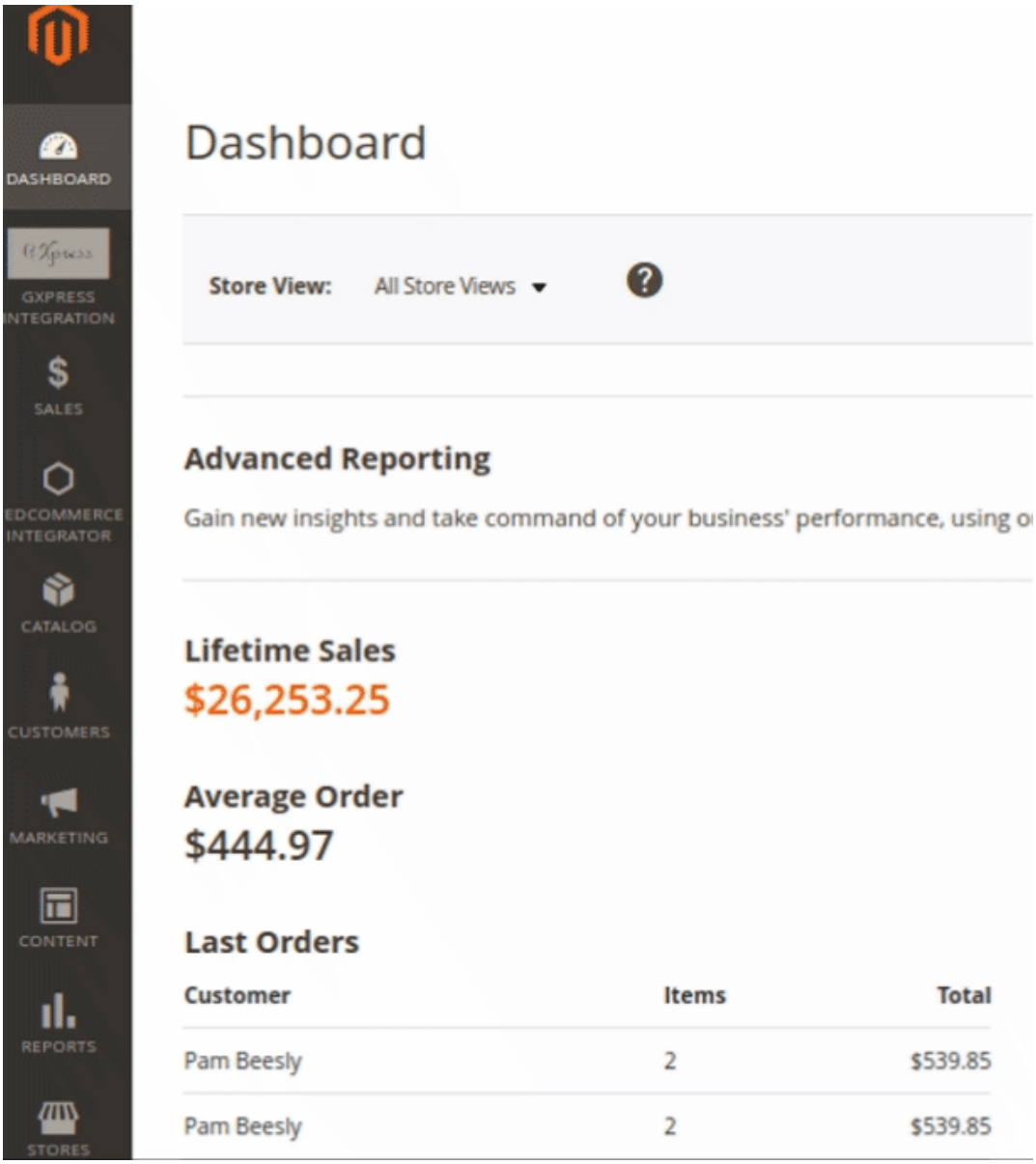
5. You can edit and Fill in the required fields.

10. Google Express Cron Logs

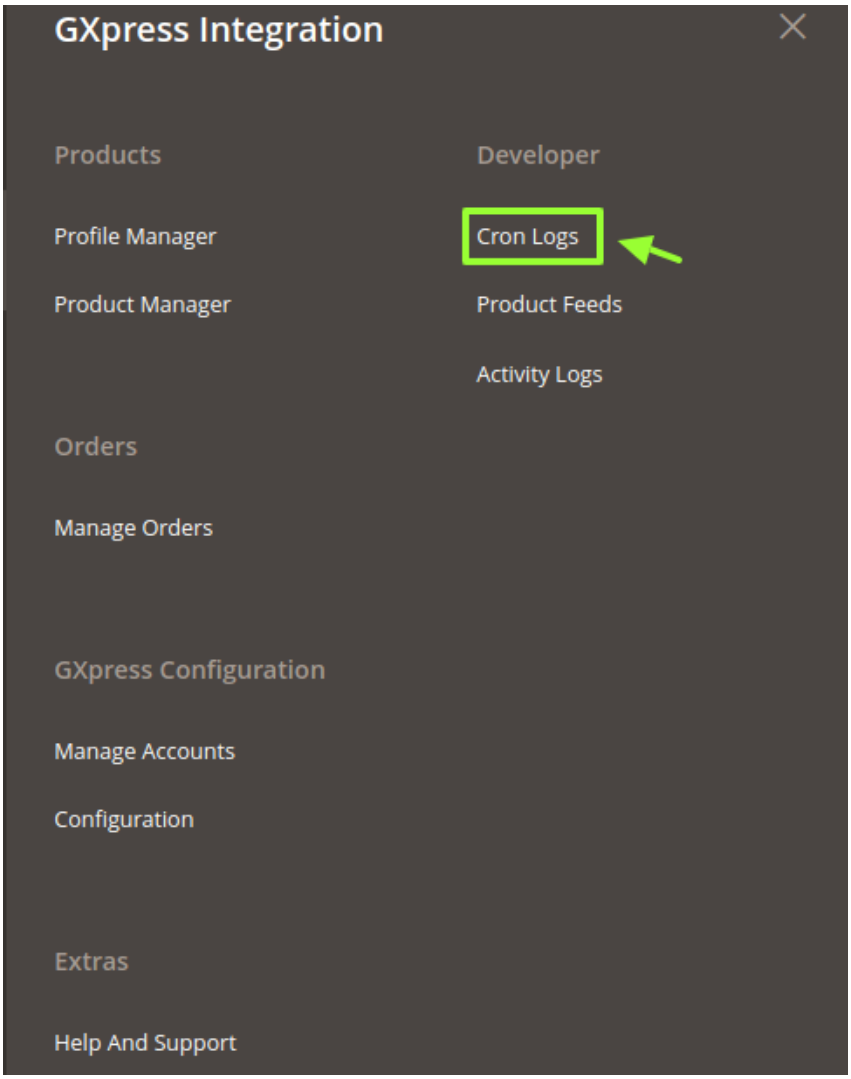
The **Cron Logs** page displays all the Cron details scheduled in Google Express.

To view the Google Express Cron details

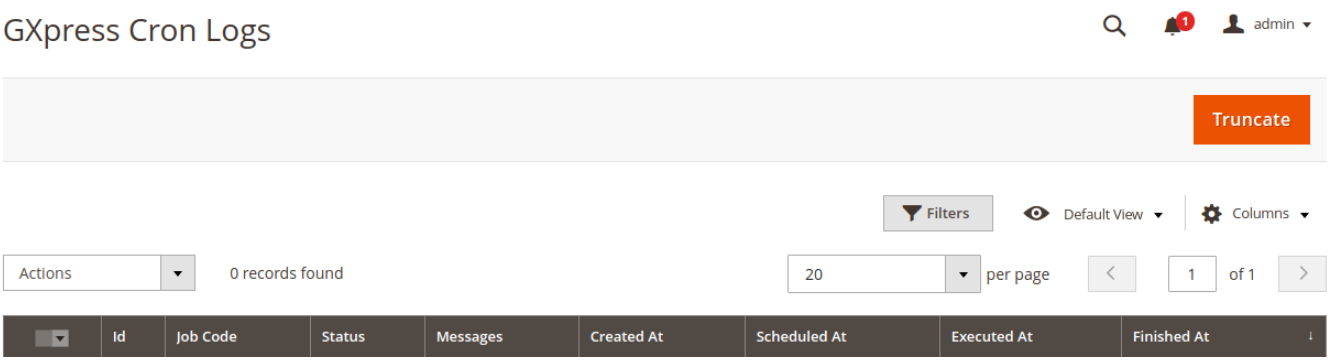
1. Go to **Magento Admin** Panel.



2. On the **Google Express Integration** menu, click **Cron Logs**.



3. The **Cron Logs** page appears as shown in the following figure:

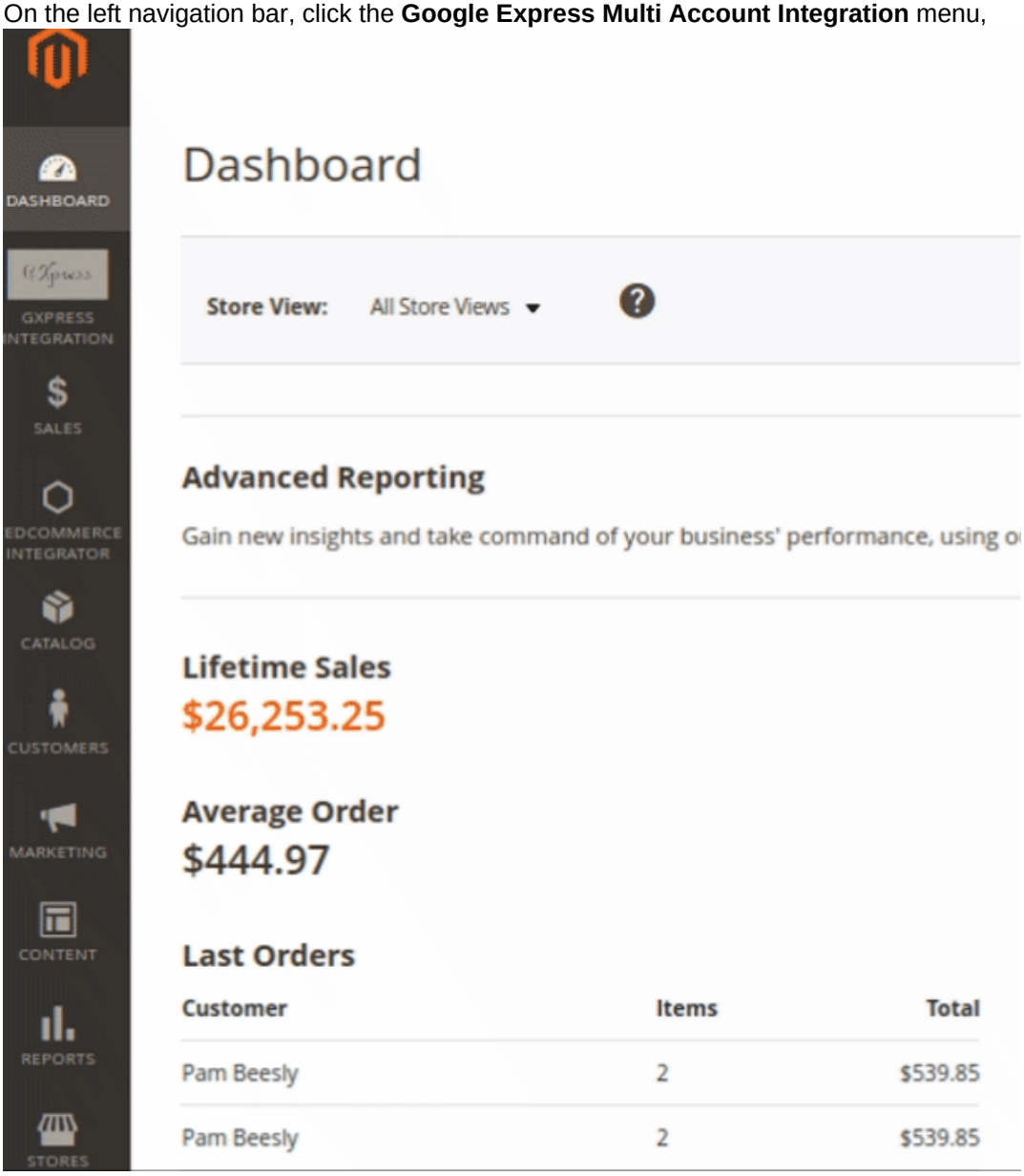


4. To truncate the cron logs click on the **Truncate button** on the top right corner.

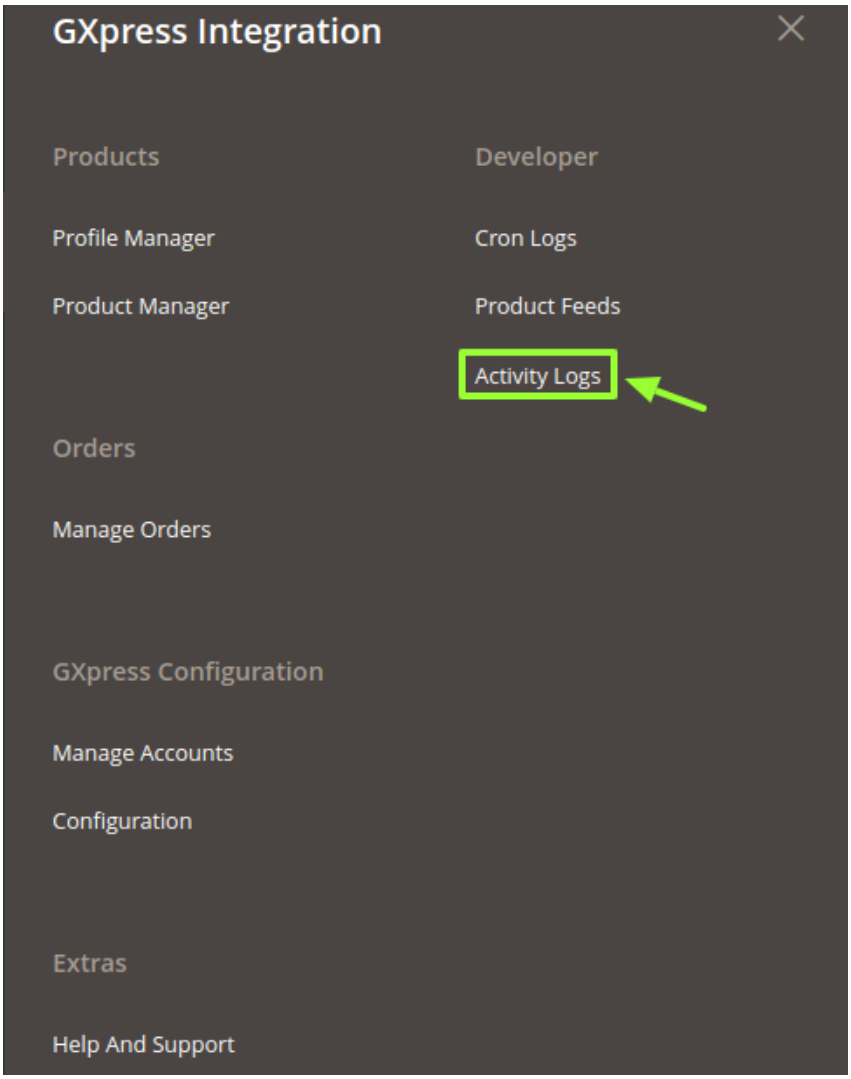
11. Google Express Activity Logs

To view Google Express Log Grid,

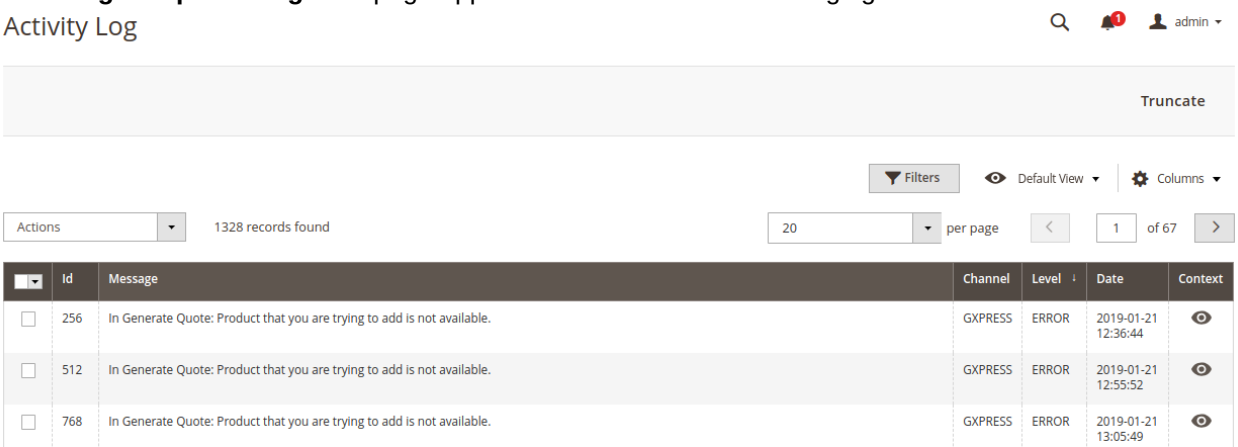
1. Go to the **Admin** panel.
2. On the left navigation bar, click the **Google Express Multi Account Integration** menu,



3. Click on the **Activity Logs**.

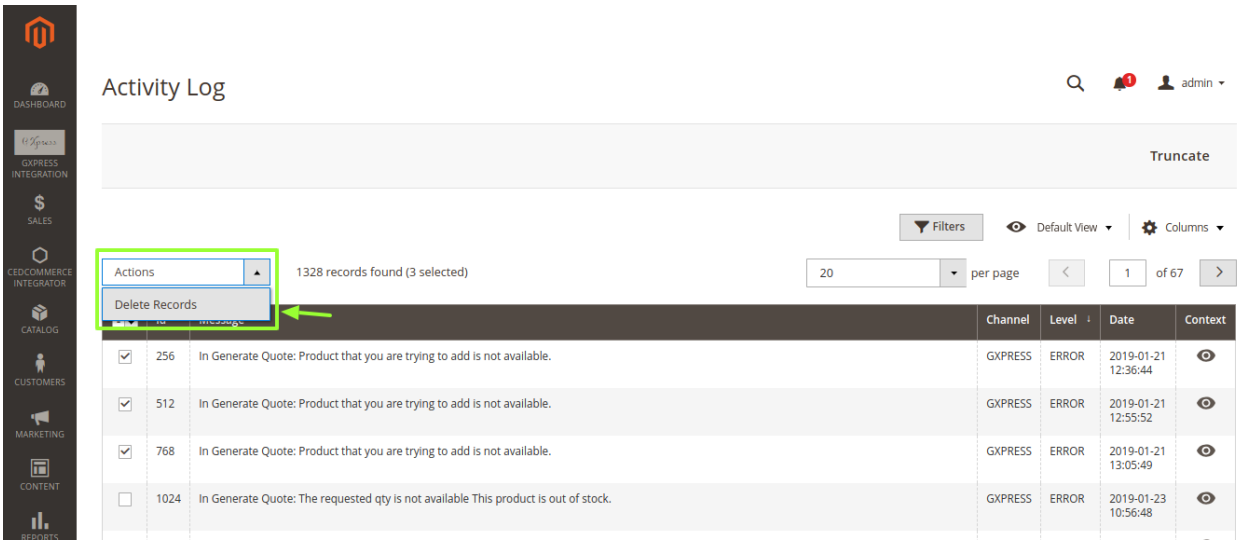


The **Google Express Log Grid** page appears as shown in the following figure:

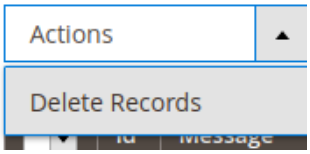


To delete the selected logs,

1. Select the logs you want to delete.
2. Click **Actions** on the top left side of the page.



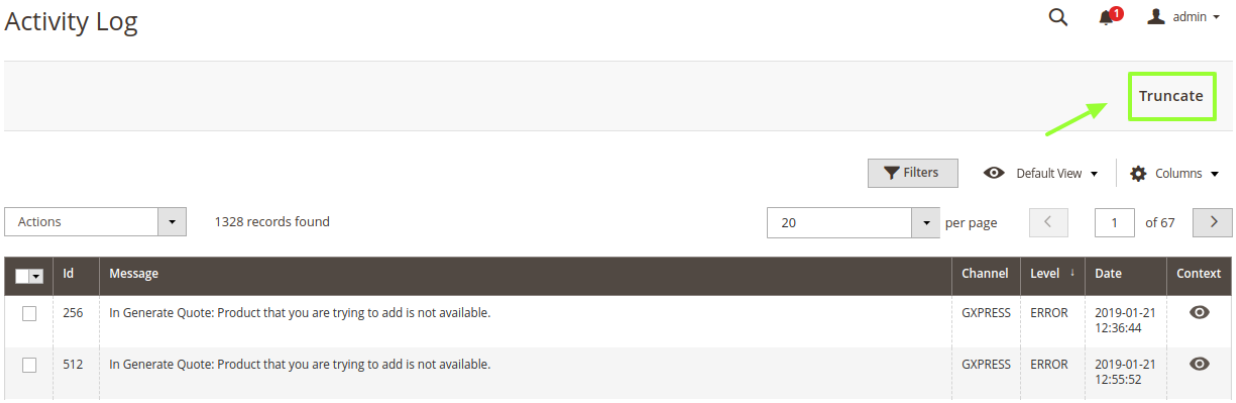
3. Click **Delete Records.**



4. Selected logs will be deleted.

To truncate the logs,

1. Click the **Truncate** button on the top right side of the page.

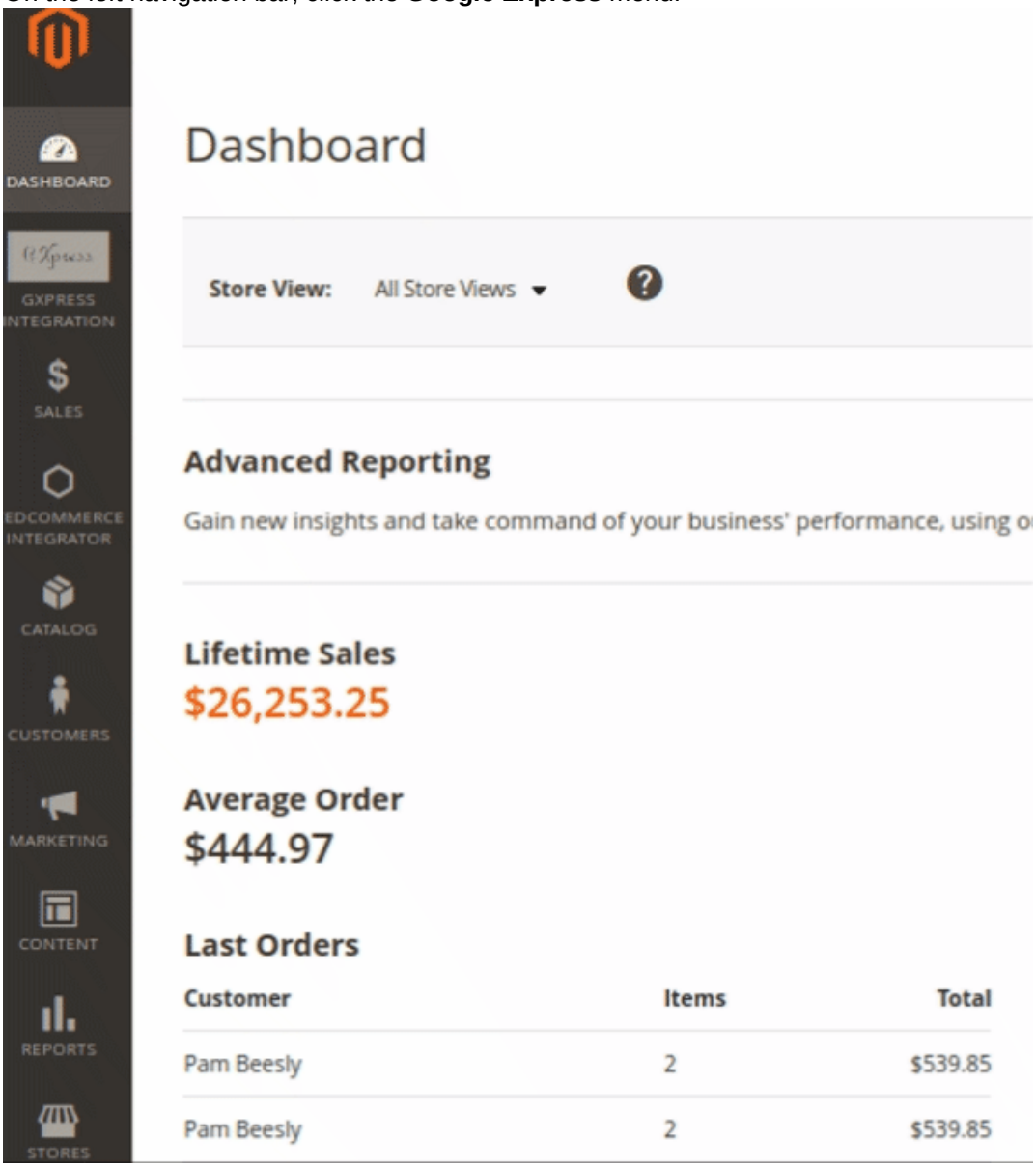


2. All the logs will be cleared.

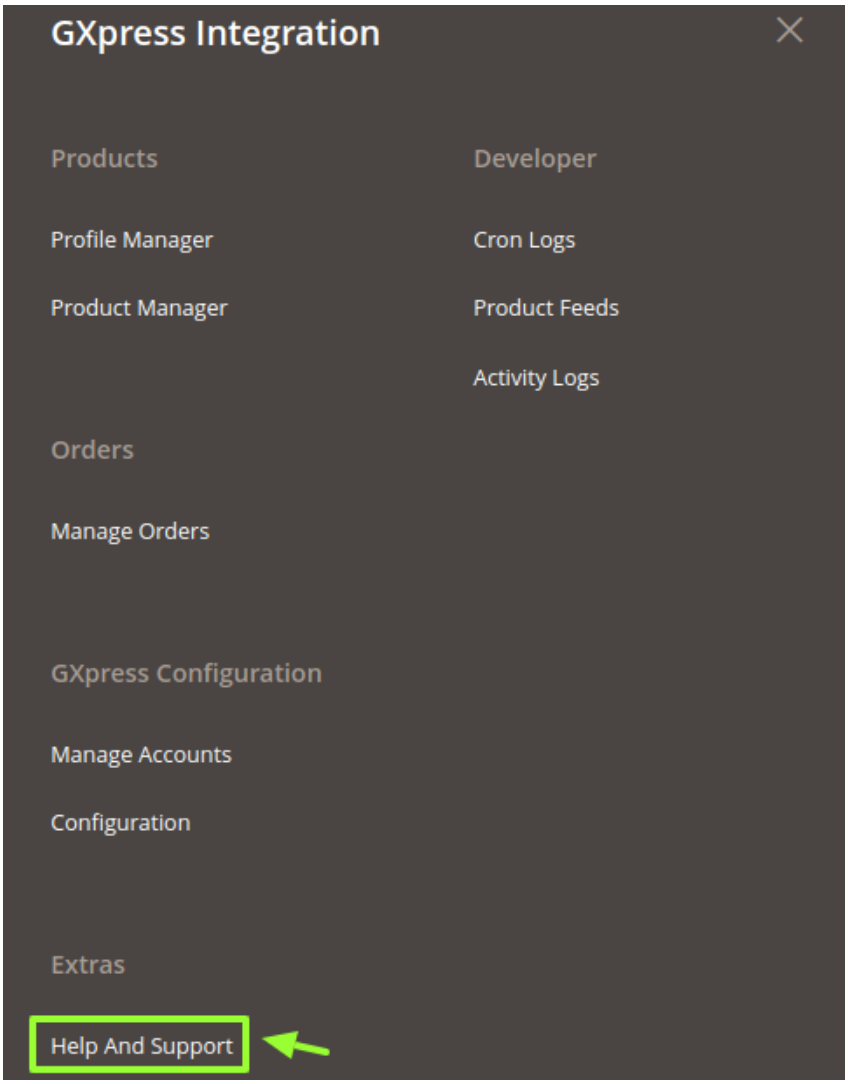
12. Help & Support

To view the Help & Support section,

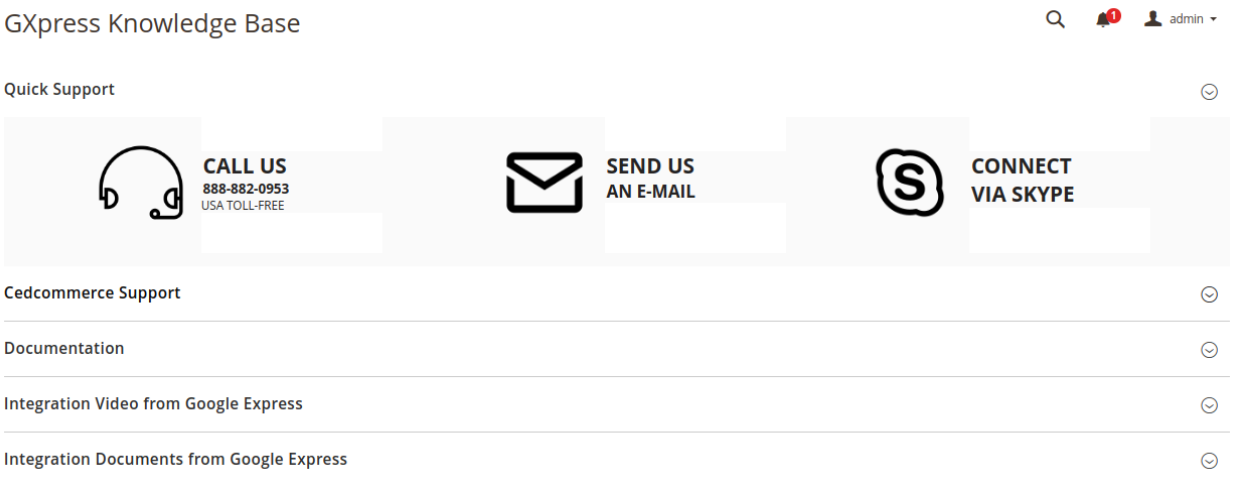
1. Go to the **Admin** panel.
2. On the left navigation bar, click the **Google Express** menu.



3. click **Help & Support**.



The **Help & Support** page appears as shown in the following figure:



CedCommerce Support

1. Click **CedCommerce Support** and the section will expand as:

2. Click **Google Express Integration Knowledge Base** and you will be navigated to our product page.

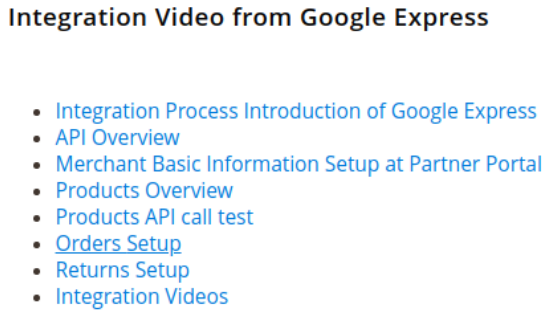
Documentation

1. Click **Documentation** and the section will expand as:

2. On clicking the **Google Express Integration Extension User Guide By CedCommerce,** the users will be navigated to the guide/document to integrate the Magento store with Google Express.

Integration Video From Google Express

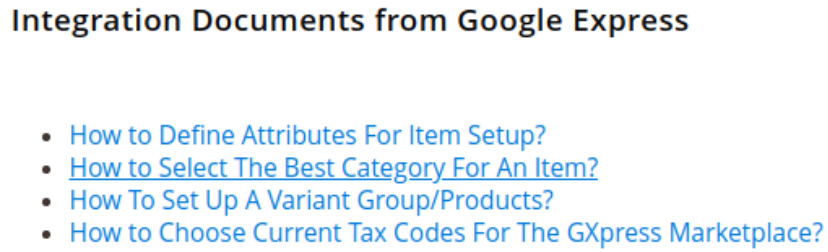
1. Click on the Integration Video from Google Express & the section expands as:



2. Choose the desired video by clicking on the link associated.

Integration Documents From Google Express

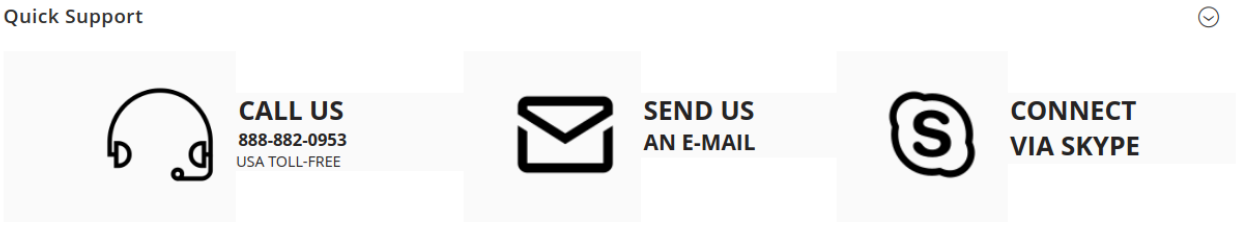
1. Click on the Integration Documents from Google Express & the section expands as:



2. Choose the desired doc by clicking on the link associated.

Contact Us via Below Available Mediums

1. Click **Contact Us via Below Available Mediums** and the section will expand as:



2. Under **Contact Us via Below Available Mediums,** you may see the different ways to get in touch with us.
3. You may call us on Skype by clicking on **Contact Us 24*7 vis Skype Call.**
4. Click **Submit issue via Ticket** and you will be navigated to our support page on which you may raise a ticket and get your issue solved by us in no time.
5. Click **Send us an E-mail** and your mailbox will get opened and you may mail us your question or query.
6. Click **Connect via Skype** and you will be able to join us on Skype instantly where we are available 24×7.