



## User Guide

# Integrating via Unbxid Extension for Magento

## Configuration

This section walks you through the process of configuring product indexing, authentication and synchronizing your feed.

### Enable Product Indexing

In order to provide fast and relevant search, our extension restructures your data through a process known as indexing. Indexing is how Magento transforms data such as products and other data, to improve the performance of your storefront. As data changes, the transformed data must be updated or reindexed.

Indexing Settings within Catalog allows you to specify what data should be indexed and when.

For instance, when you modify a product or category page, instead of uploading the entire catalog to the production index, a copy of the changes is created at the extension server which helps in sending only data that has been modified to the Unbxid server asynchronously every time the feed upload is triggered (manually or automatically or through Command Line Interface (CLI)).

To enable indexing:

1. On the Unbxid tab, click **Catalog**.
2. Within **Indexing Settings**, select Yes for **Enable Indexing Queue**. If you select No, your product catalog is not indexed automatically.
3. Click **Save Config**.

Configuration Save Config

**GENERAL** ⌵

**CATALOG** ⌵

**CUSTOMERS** ⌵

**SALES** ⌵

**DOTMAILER** ⌵

**UNBXD** ⌶

Setup

**Catalog**

Search Results Page

Analytics

**SERVICES** ⌵

**ADVANCED** ⌵

**Product catalog is not synchronized.**

Manual product catalog synchronization: ⌵

- by actions below (see [Manual Synchronization section](#))
- by available CLI commands:  
php bin/magento unbx:product-feed:full  
php bin/magento unbx:product-feed:incremental

[Get started with command-line](#)

**General Settings** ⌵

**Indexing Settings** ⌵

Enabled Indexing Queue  ⌵  
(store view)

If enabled, all indexing operations will be done asynchronously. ?

**Cron Settings** ⌵

**Manual Synchronization** ⌵

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If Enable Indexing Queue is set to 'Yes', then all indexing operations related to the products in the catalog will be added to the Indexing Queue and done asynchronously by a scheduled cron job.

If Enable Indexing Queue is set to 'No', then all indexing operations related to the products in the catalog will be done immediately after the original product information is modified.

You have successfully enabled Indexing for your product catalog and the extension is now set to automatically keep all your data updated to provide the best search experience for your shoppers.

To view the products added to the indexing queue, you can use the Indexing Queue View.

We recommend you set Enable Indexing Queue to Yes when you are in Production Mode or if you have a product catalog that has more than 2 million products or is larger than 2GB.

## General Settings

This section allows you to indicate the product types available in your catalog while excluding specific categories of products while synchronizing.

The Unbxid extension supports three types of products:

**Simple Product:** A simple product is a physical item with a single SKU. When converted to the Unbxid format, a simple product is considered as a Normal Feed.

**Configurable Product:** A configurable product is a parent product of multiple simple products. When converted to the Unbxid format, configurable products are considered as variants.

**Grouped Product:** A grouped product presents multiple, standalone products as a group. You can offer variations of a single product, or group them for a promotion. The products can be purchased separately or as a group. Like configurable products, when converted to the Unbxid format, grouped products are considered as variants.

Our extension allows you to exclude four types of products:

**Disabled:** Indicates products that have been disabled from being listed in the Product Listing Page.

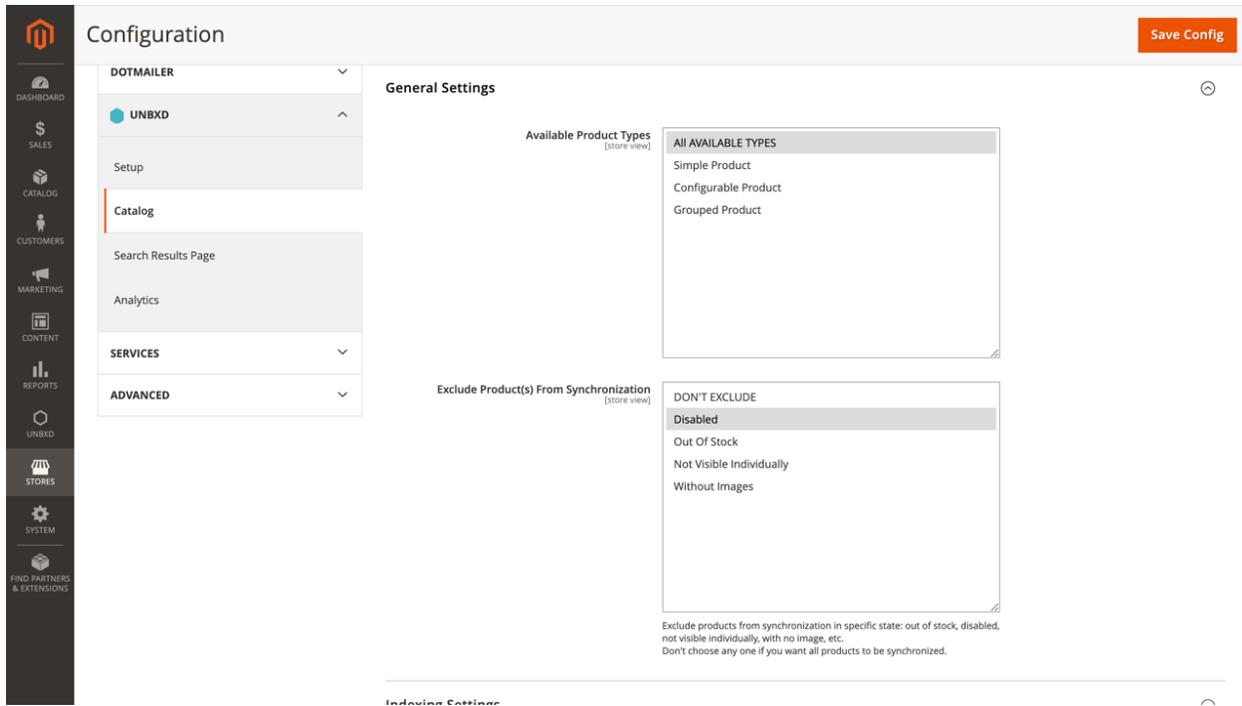
**Out Of Stock:** Indicates products where the inventory count is 0.

**Not Visible Individually:** Indicates products that are available only as a bundle.

**Without Images:** Indicates products where there isn't an available image.

To upload product types:

1. On the **Unbxid** tab, click **Catalog**.
2. In **General Settings**, within **Available Product Types**, select **All Available Types** to select all available product types within your catalog. Click the drop-down box to select from one of the product types.
3. Click **Save Config**.



You have successfully mapped your catalog's product types

## Authentication

Once installed, you need to authenticate your Unbxid extension using your Unbxid account keys (also known as Authentication Keys).

You'll find your authentication keys within the Welcome mail you receive when signing up with us. Alternatively, you'll also find these keys in Manage > Configure Site > Keys within your Unbxid Console.

There are three types of account keys:

- **Site Key:** The unique identifier of a Site. Each site added on your dashboard will have a unique Site key.
- **API Key:** The unique identifier of the API calls made from an account. Unbxid provides only one API Key per account.
- **Secret Key:** An additional securely generated key used in important request calls such as Product Feed upload. Secret Key is not exposed in URL. Unbxid provides one Secret Key per account.

To authenticate:

1. On the **Unbx** tab, click **Setup**.
2. In **General Settings**, type in the values for:
  - Site Key
  - Secret Key
  - API Key
3. Click **Save Config**.

The screenshot displays the Magento 2.2.8 Configuration interface for the UNBXD extension. The main content area is titled 'Configuration' and features a 'Save Config' button in the top right. Below the title bar, there is a section for 'Product Feed v. 1.0.13 by UNBXD' with a link to documentation. The 'General Settings' section is active, showing three input fields: 'Site Key', 'Secret Key', and 'API Key'. Each field has a 'store view' dropdown and a descriptive text box explaining its purpose. A warning message at the bottom of the settings section states: 'Authenticating the extension requires your Site Key and Secret Key.' The left sidebar contains a navigation menu with icons for Dashboard, Sales, Catalog, Customers, Marketing, Content, Reports, UNBXD, Stores, System, and Find Partners & Extensions. The footer contains the Magento logo, copyright information for 2019, and the version number 2.2.8 with a 'Report an Issue' link.

You have successfully saved your Unbx account keys within your Magento extension.

The next step would be to map your catalog with us.

## Catalog Sync

All Unbx algorithms are based on product-related information within the product catalog.

When you send your catalog to us, we convert it to the Unbxid format, store and index it on our servers. This is called Product Feed. Synchronizing your feed will allow your Unbxid extension to retrieve your catalog information stored within the Magento database. To know more, refer to Product Feed.

Your Unbxid extension will access your catalog as a JSON file and sync it to the Unbxid server in three ways:

- Automatic Synchronization
- Manual Synchronization
- Command Line Interface (CLI)

## Automatic Synchronization

Our extension will send every update and deletion on products or categories to our servers to keep all data up-to-date by setting cron jobs.

The indexers' behavior can be changed to prevent these update calls, and only update the data through manual reindexing. For this to work, the cron mode should be set to 'Manually'.

To schedule automated synchronization:

1. On the **Unbxid** tab, click **Catalog**.
2. To schedule automated indexing, within **Cron Settings**, select Yes for **Enable Cron**.
3. In **Cron Type** dropdown box, select the required type:
  - **Manually**: When this is chosen, you can indicate the frequency of the cron job. When the Cron Type is set to Manually indicate the frequency of indexing within **Cron Schedule**.
  - **By Template**: When this is chosen, you can indicate **Start Time** and the **Frequency** to 'Daily', 'Weekly', or 'Monthly'.
4. In the **Cron Schedule** text field, type in the required frequency. Click the icon for examples.
5. To test the schedule, click the **Check** button for **Check If Cron Is Running**. This lists the status and a log of the last 10 cron jobs.
6. Click **Save Config**.

Configuration Save Config

SALES UNBXD

Setup  
Catalog  
Search Results Page

SERVICES  
ADVANCED

General Settings

Indexing Settings

Enable Indexing Queue [store view] Yes  
If enabled, all indexing operations will be done asynchronously.

Cron Settings

Enable Cron [store view] Yes

Cron Type [store view] Manually

Cron Schedule [store view] \* \* \* \* \*  
Cron expression used to trigger synchronization process. Not sure how to configure it? [Helper reference.](#)

Check If Cron Is Running Check

Manual Synchronization

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You have successfully scheduled automated synchronization for your product catalog.

## Manual Catalog Synchronization

You can also set to manually index your product catalog using manual synchronization options.

Before you set up manual indexing, ensure the related cron job is configured.

To set up manual synchronization:

1. On the **Unbxid** tab, click **Catalog**.
2. In **General Settings**, within **Indexing Settings**, select Yes for **Enable Indexing Queue**. In **Manual Synchronization**, select Yes for **Enable Manual Synchronization**.
3. To perform a full feed upload, click the **Synchronize** button for **Full Product Catalog Synchronization**. To perform a delta upload, click the **Synchronize** button for **Incremental Product Catalog Synchronization**.
4. Click **Save Config**.

You have successfully set up Manual synchronization for your product catalog.

To check the status of the feed upload, click **Unbx** > **Feed View**.

To avoid causing unnecessary resource delays and timeout errors, the synchronization operation will be added to the Indexing Queue even when Enable Indexing Queue is set to No. **IMPORTANT:** Manual **Incremental Product Catalog Synchronization** available only after **full product catalog synchronization** is performed.

## Command Line Interface

You can update your product catalog from within the Magento directory.

Within your Magento root directory, run:

```
php bin/magento
```

**TIP:** Add the `-h` key to see the features and configuration of each command. More about Magento CLI commands: [Get started with command-line configuration](#)

### **Full Product Catalog Synchronization**

This command allows you to perform a full product catalog synchronization. If the specific store ID is not specified, synchronization will occur for default store ID.

To schedule a full catalog synchronization, run:

```
php bin/magento unbx:product-feed:full
```

### **Incremental Product Catalog Synchronization**

This command allows you to perform an incremental product catalog synchronization. If the specific store ID is not specified, synchronization will occur for default store ID.

To schedule an incremental catalog synchronization, run:

```
php bin/magento unbx:product-feed:incremental
```

### **Check Feed Upload Size**

This command allows you to check the total size of the feed being uploaded for a specific store. If the specific store ID is not specified – a default store ID will be used.

To check the file size of the feed, run:

```
php bin/magento unbx:product-feed:upload-size
```

The appearance of the response result may differ based on the version of Magento 2.x you use.

### **Check Feed Upload Status**

This command allows you to check the upload status for the specific upload ID. If the upload ID is not specified – the last upload ID will be used.

**If you want to check status for full upload - use key `-t1` or you can just omit this parameter.**

**If you want to check the status for incremental upload - use key -t2 (required).**

```
php bin/magento unbx:product-feed:upload-status
```

The appearance of the response result may differ based on the version of Magento 2.x you use.

## Catalog Synchronization Information

The screenshot shows the Magento 2.2.8 Configuration interface. The left sidebar contains navigation options: DASHBOARD, SALES, CATALOG, CUSTOMERS, MARKETING, CONTENT, REPORTS, UNBXD, STORES, SYSTEM, and FIND PARTNERS & EXTENSIONS. The main content area is titled 'Configuration' and includes a 'Save Config' button. The 'UNBXD' section is expanded, showing 'Setup', 'Catalog', 'Search Results Page', and 'Analytics'. The 'Catalog' sub-section is active, displaying a yellow warning box: 'Product catalog is not synchronized.' Below this, it provides manual synchronization instructions: 'Manual product catalog synchronization: ☰' followed by '- by actions below (see Manual Synchronization section)' and '- by available CLI commands: php bin/magento unbx:product-feed:full' and 'php bin/magento unbx:product-feed:incremental'. A link 'Get started with command-line' is also present. Below the warning, there are expandable sections for 'General Settings', 'Indexing Settings', 'Cron Settings', and 'Manual Synchronization', each with a dropdown arrow.

When synchronizing a catalog, the Last Synchronization information may display four status codes:

**Running:** Indicates the catalog is running and has been submitted to Unbx.

**Indexing:** Indicates the catalog is being indexed.

**Complete:** Indicates the catalog has successfully uploaded.

**Error:** Indicates the catalog synchronization failed.

By default, Magento doesn't synchronize the catalog automatically.

## Feed View

The Feed View (Unbxid > Feed View) screen lists all your product catalogs and its upload status. Primarily it would tell you if the upload was full or incremental and if it successfully completed or not.

The screenshot shows the 'Unbxid | Feed View' interface. It includes a sidebar with navigation options like Dashboard, Sales, Catalog, Customers, Marketing, Content, Reports, Unbxid, Stores, System, and Find Partners & Extensions. The main content area features a search bar, filters, and a table with 3 records. The table columns are: ID, Store View, Created, Finished, Execution Time (s), Affected Entities, Number Of Entities, Operation Type, Status, Additional Information, and Action. All three records show a status of 'COMPLETE' and a message: 'Product feed has been successfully processed by Unbxid service.'

ID	Store View	Created	Finished	Execution Time (s)	Affected Entities	Number Of Entities	Operation Type	Status	Additional Information	Action
1	Main Website Main Website Store Default Store View	Jun 5, 2019 1:02:14 PM	Jun 5, 2019 1:02:36 PM	22.4556	Full Catalog Products	2048	full	COMPLETE	Product feed has been successfully processed by Unbxid service.	Select
2	Main Website Main Website Store Default Store View	Jun 6, 2019 1:13:19 PM	Jun 6, 2019 1:13:49 PM	29.6994	Full Catalog Products	2048	full	COMPLETE	Product feed has been successfully processed by Unbxid service.	Select
3	Main Website Main Website Store Default Store View	Jun 6, 2019 6:10:08 PM	Jun 6, 2019 6:10:24 PM	15.8695	#2049	1	Incremental	COMPLETE	Product feed has been successfully processed by Unbxid service.	Select

To view the description of the labels in the screenshot above, refer to the table below.

Label	Description
ID	Indicates the unique identifier of the record
Store View	Indicates the store related to upload operation

Created	Indicates the calendar date and time the specific upload queue entry was created
Finished	Indicates the upload end time of the catalog
Execution Time(s)	Indicates the duration of time (in seconds) the upload took to complete
Affected Entities	Indicates the total number of products affected by the feed upload
Number of Entities	Indicates the total number of entities in the upload process
Operation Type	Indicates the status of a feed upload operation  StatusRunning: Indicates the catalog is running and has been submitted to Unbx  Indexing: Indicates the catalog is being indexed  Complete: Indicates the catalog has successfully uploaded

Additional Information	Indicates the information related to reindexing
Action	Indicates the action available for the specific entity  ActionsView Details: Allows you to view the information of the entity. The General Information also allows you to 'delete' the upload  Delete: Allows you to delete the reindexing activity  You cannot delete an entity when the upload is 'Running'
Clear Feed View	Allows you clear the Feed View queue
View Log	Allows you to view the log file entries for the entire cron job. You can also download the log file, refresh the log entries, and clear the log
Actions	Allows you to delete feed upload for multiple entities
Filters	Allows you to create filters to refine the Feed View table

Default View	Allows you to reset the Feed View table to its original settings
Columns	Allows you to select the columns you want displayed in the Feed View table

## Indexing Queue View

To view the products added to indexing queue, before the cron job or manual synchronization is triggered, use the Indexing Queue View within the Unbxid tab.

For example, every time a product is added/deleted/modified, a row will be created to record the change within the Indexing Queue.

Unbxid | Indexing Queue View

Clear Queue View Log

Search by keyword

Filters Default View Columns

Actions 3 records found 20 per page 1 of 1

ID	Store View	Created	Started	Finished	Status	Execution Time (s)	Affected Entities	Number Of Entities	Action Type	Additional Information	Action
1	Main Website Main Website Store Default Store View	Jun 5, 2019 1:01:18 PM	Jun 5, 2019 1:02:09 PM	Jun 5, 2019 1:02:14 PM	COMPLETE	4.9685	Full Catalog Products	2048	Full Reindex		Select
2	Main Website Main Website Store Default Store View	Jun 6, 2019 1:12:53 PM	Jun 6, 2019 1:13:14 PM	Jun 6, 2019 1:13:19 PM	COMPLETE	5.5111	Full Catalog Products	2048	Full Reindex		Select
3	Main Website Main Website Store Default Store View	Jun 6, 2019 6:09:22 PM	Jun 6, 2019 6:10:08 PM	Jun 6, 2019 6:10:08 PM	COMPLETE	0.1124	#2049	1	Row Reindex	Product with ID 2049 was added.	Select

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The labels in the screenshot above are explained in the table below:

<b>Labels</b>	<b>Description</b>
ID	Indicates the unique identifier of the record
Store View	Indicates the store related to reindex operation
Created	Indicates the calendar date and time the specific Indexing queue entry was created
Started	Indicates the reindexing start time of the catalog
Finished	Indicates the reindexing end time of the catalog

<p>Status</p>	<p>Indicates the status of a catalog's reindex operation</p> <p>StatusPending (Default): Indicates the reindex entry was just created and is waiting to be processed</p> <p>Running: Indicates the catalog is currently being processed</p> <p>Complete: Indicates the catalog has successfully finished reindexing</p> <p>Error: Indicates the catalog has finished reindexing with errors</p> <p>Hold: Indicates the catalog's reindexing is paused. This may also mean the reindexing may not resume</p> <p>You can choose to pause a pending scheduled reindex when you don't want to reindex data for some reason</p>
<p>Execution Time(s)</p>	<p>Indicates the duration of time (in seconds) the reindexing took to complete</p>
<p>Affected Entities</p>	<p>Indicates the total number of products affected by reindexing</p>
<p>Number of Entities</p>	<p>Indicates the total number of entities in the reindex process</p>

Action Type	<p>Indicates the type of reindexing action for the entities.</p> <p>Action types</p> <p>Row reindex: Allows you to reindex only one product</p> <p>List reindex: Allows you to reindex a list of products</p> <p>Full reindex: Allows you to reindex an entire catalog</p>
Additional Information	<p>Indicates the information related to reindexing</p>

## **Analytics Integration**

Unbxid search tracks user behavior anonymously and uses machine learning algorithms to power personalized search results that are relevant and accurate. Analytics is built into your Unbxid Magento extension.

The extension helps us track and analyze user events, like product clicks, search queries, add to cart clicks, and successful orders. We then use this information to build a user profile that shows the user's affinity towards a certain category, brand or price. This enables us to help you provide search results that are intuitive and relevant.

### **General Settings**

You can enable or disable analytics within General Settings.

When Enabled is set to 'Yes', the extension will track specific user events, like:

1. Product Page View
2. Add to Cart
3. Remove from Cart

#### 4. Order Creation