



# API Integration Guide for Sellers

Mirakl Client Success

*Last updated: June 2024*

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- 2 API integration prerequisites
- 3 Automate your catalog management
- 4 Automate your order management
- 5 Test your API integration using Postman
- 6 Integration error reports

# 1

# Introduction

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Learn the basics of Mirakl APIs and Seller API integration

# Reminder about Seller's Integration Methods

## Manual Sellers

Manually update info (stock, price...) in the back office of each Marketplace

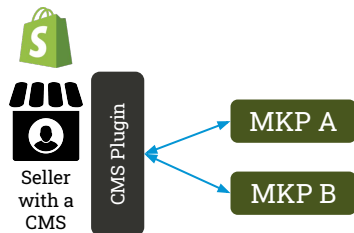
## File import Sellers

Update info in bulk (through XLS/CSV import/export ...) in the back office of each Marketplace



## Connector Sellers

Use CMS Plugin (eg. Shopify App, Magento, Salesforce, etc.) to synchronize Seller's info from CMS to multiple Marketplaces



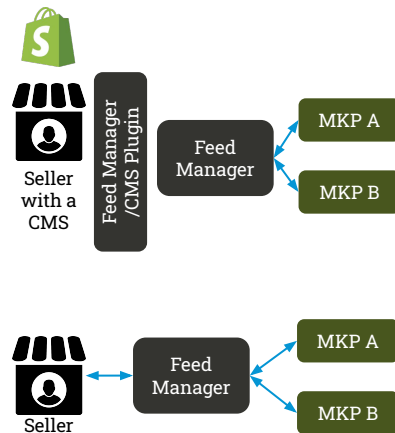
## API Sellers

Developed a direct API integration between Seller system and each Marketplace, and manage my activity directly from my ERP/WMS



## Feed Manager Sellers

Use a Feed Manager / Aggregator to synchronize info from Seller system to multiple channels



# About the Seller API Integration method

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## About this guide

In this guide, we will go through the main interactions between sellers' systems and the Marketplace. In addition to this document you will also have access to a technical documentation to build the API integration with your IT systems. [This integration method requires some technical resources](#)



## What is an API?

An API (Application Programming Interface) is an interface provided by a computing program. It allows independent programs to interact with each other. In other words it enables sellers to seamlessly manage their Marketplace activity with their overall e-commerce activity.



## Why use API Integration?

Thanks to Mirakl Seller APIs, sellers can automate their catalog import, manage their orders and perform customer care operations. It will increase their sales efficiency with no additional charge on the teams. It can also improve their overall quality of service by decreasing response time.



## Should I automate everything?

APIs are made to ease daily operations. Depending on your level of autonomy, you can automate a part or all of your activity on the marketplace. For example, you can automate offer imports and orders management but upload products manually with an excel file.

# Terminology

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**Product:** Every core features and characteristics of the product (product attributes, value lists, etc.), which do not change from one seller to another

**Offer:** An offer is price, stock level and condition data of a product sold by a specific seller.

**POSTMAN:** An API client software that can be used to make API calls.

**SDK:** Software Development Kit, a programming language-specific group of tools that will help you develop and automate your API integration.

**Mapping:** Process that will allow you to match your product format to the operator's.

**Main API:** APIs that need to be developed first.

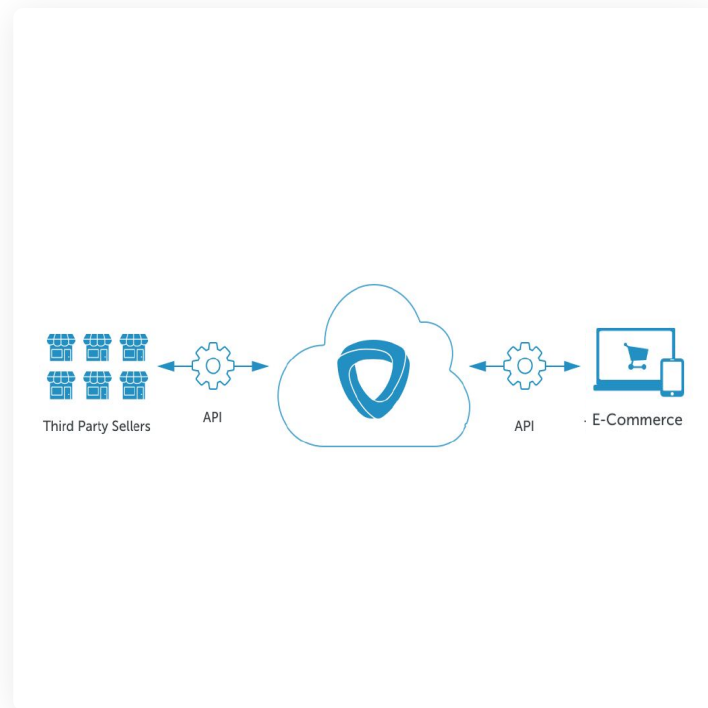
**Recommended API:** APIs that need to to be developed for a full API automation and error management.

**Optional API:** APIs that might be developed depending of the operator or your system specificities

# Global view on APIs flows

Mirakl Seller APIs allow you to automate 4 main parts of your activity on the marketplace. You can integrate part or all of the APIs related to these 4 topics:

1. Catalog: product imports & offer<sup>1</sup> imports
2. Customer Service features
3. Order Management & Shipping information
4. Accounting Management



# Choice of automation & integration strategy



Mirakl developed Connectors to **plug-in** specific eCommerce Solutions. The integration is quick and does not require technical skills.

Magento / Shopify / Salesforce plug-ins currently available

If the seller's e-commerce is coded in **PHP or Java**, then they can retrieve the Software Development Kit (SDK in Help Portal).

Pure API integration is the **most technical integration method** proposed by Mirakl, as the sellers will need to develop the APIs themselves .



# Understanding the concept of Product vs. Offer

## Product characteristics

Every core features and characteristics of the product, they do not change from one seller to another:

1. Product name
2. Image(s)
3. Description
4. Product\_ID / EAN / UPCs / ISBN...
5. Size / Color / Dimensions

## Offer characteristics

All the info that are specific to each seller:

6. State of the product (new, second-hand, refurbished...)
7. Price
8. Inventory/Available quantity

**New! iPhone 6 64gb GSM Unlocked Smartphone Space** 1

**6** Refurbished - Online Only

Model#: A1549 | Web Code: 12490787

No reviews yet  
Be the first to write a review

Authorized Reseller [SHOW MENU](#)

**Best Buy Marketplace™**

**\$298.99** 7

Save: \$480  
Sale Ends: June 10, 2018

Sold and shipped by:  
**Samphone**

★ 2.8 seller rating, 6 review(s)

- Seller Shipping Policy
- Seller Return Policy

ONLINE | Delivery to Toronto Change

**8** Available online only [Add to Cart](#)

Most Marketplace items leave the Seller's warehouse within 2 business days. Delivery times vary based on location.

[Add to Wish List](#)

**Overview** 3 Details & Specs

This is a refurbished phone that has gone through a 28 checkpoints inspection process and it is 100% functional. Ships in a generic box with phone and 3rd party accessories: charger and USB cable only. Does NOT come with a sim card or headphone.

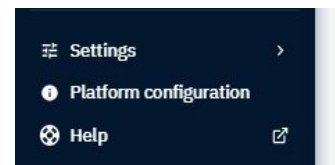
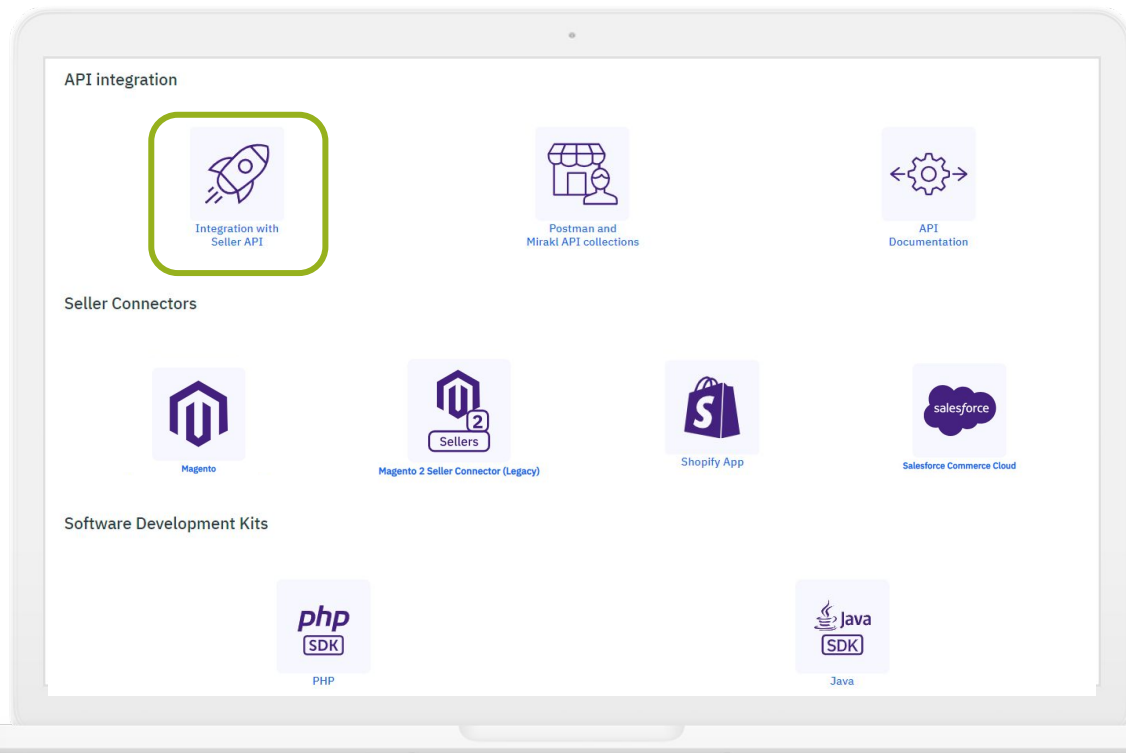
**More Information**

This refurbished phone is a 100% functional Samphone certified product. It bears signs of superficial wear and almost invisible scratches on the screen, the back and the corners of the phone. Submitted to our test program, it has brilliantly passed our 28 checkpoints to bring you complete satisfaction. Your product comes in a generic box, containing the phone, a USB cable and a wall outlet. Headphones and SIM card are not included. Guaranteed 60 days, unlocked, it works with all operators to take full advantage of your purchase.

**Physical Features** 5

Shock Protection	Shock-Resistant
Water Protection	No
Colour	Grey; Black
Dimensions (cm)	6.7 (W) x 13.8 (H) x 0.69 (D) cm
Dimensions (in)	2.64 (W) x 5.43 (H) x 0.27 (D) in
Weight	0.129 kg
Warranty Labour	60 Day(s)

# All the information you need in Mirakl Help Portal



You can find a step-by-step integration guide in the Mirakl Seller Back-Office under [Help](#)

This guide will help you use the APIs, automate them, and most importantly test them with Postman.

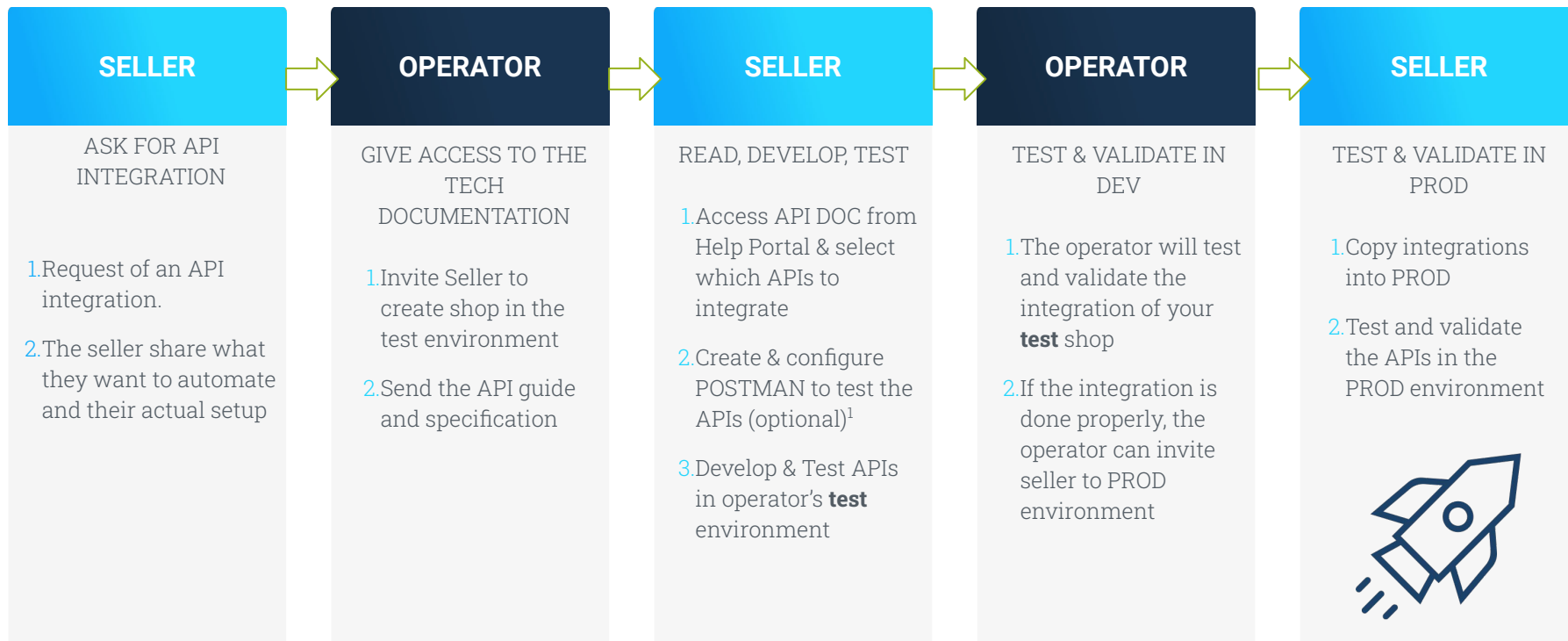
*\*Sellers obtain access to Mirakl's full API Doc when their Shop is created after invitation from a Mirakl Operator*

# 2 API Integration Prerequisites

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Learn how to determine which APIs to use and how you want to integrate to the marketplace

# Understanding the Integration Process



# To get started, obtain your API Key

## OBJECTIVE

The shop API key is unique to each user. It gives you access to all the Mirakl Seller APIs.

## SHOP API

Find your shop API key

1. Log into your back office
2. Click on your username, in the top right, to access your profile
3. In the tab "API key", select "Generate" to create your own API key.



- Every operator has 2 environments: 1 test environment and 1 production environment.
- As a seller, you will first integrate your APIs on the test environment, then, once your integration is validated by the operator, you will repeat the integration on the prod environment.
- An API Key is specific to an environment. You will have to generate an API key for the test environment and then, one for the prod environment.

The screenshot shows the 'My User Settings' page in the Mirakl back office. The left sidebar contains navigation options: Dashboard, Orders, Customer care, Messages, Catalog Manager, Price and stock, Accounting, Settings, Platform configuration, and Help. The main content area is titled 'My User Settings' and includes tabs for Account Info, Language, API Key (selected), Notification Preferences, and Recent sign-in activity. The 'API Key' section displays a unique key: 5ceb1443-0e7f-4ca1-853d-920932838065, with a 'Copy to clipboard' button. Below the key is a 'Generate a new key' button.

# 3

## Automate your catalog management

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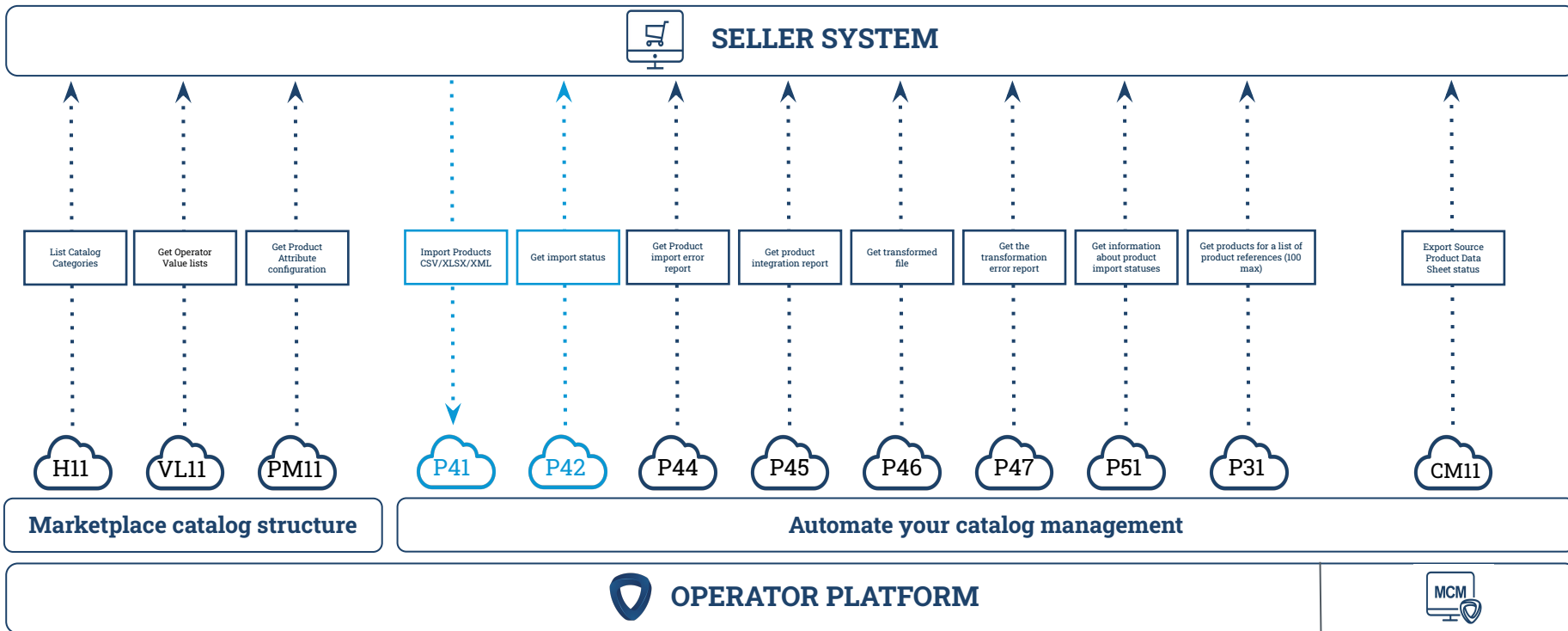
Learn how to determine which APIs to use and how you want to integrate to the marketplace

# APIs related to products

Main APIs :



Optional APIs :



# Internal mapping or Mapping through Mirakl

## Mapping through Mirakl (Easiest Method)



Create a CSV or XLSX file with the all product data that you have. You must check the operator's taxonomy prior to this file creation.



Use the Mirakl Configuration Wizard tool to map your own file to the operator's format (See the next slides for the mapping guide)

**!** *This method is quicker, but you won't be able to download the attributes and the value lists before the mapping*

## Internal Mapping (Advanced Method)



Download the categories, attributes and value lists

You will need to call:

- H11 to retrieve the operator's category tree
- PM11 to retrieve the mandatory and the optional attributes associated to the categories
- VL11 to get the value list associated to the attributes



After that, you will create a CSV/XLSX file with the category tree, the attributes in columns, and values in the excel rows. *This file needs to have the exact same fields as the one you retrieved through the APIs.*

**!** *This method is more time consuming but you won't have to connect to the platform to map your products and you will be able to automate the taxonomy retrieval. (Can be interesting if you have a PIM)*



# The mapping process through Mirakl's Platform



You must initialize the automation of your catalog by mapping your product format to the marketplace product format. This is a ONE TIME action, unless you have new categories within your catalog. Once the mapping is complete, you can import all your products directly by API.

- The goal is to define the mapping between marketplace categories and your products categories.
- You need to repeat the process for each new product category that you want to sell, which has not been mapped previously.

[Click: Settings > Catalog mapping > Mapping Wizard](#)

# The mapping process through Mirakl's Platform

## Step 1/7: Import Product File

### Catalog structure mapping

1. Import Product File >

2. Categorization >

3. Category Mapping >

4. Attribute Mapping >

5. Value Mapping >

6. Define Rules >

7. Summary and Validation >

#### Import your product file

Welcome to the mapping wizard. This wizard helps you to:

- import your product files
- set up your configuration
- add your products to the Marketplace

Import the file containing the products to add to the marketplace first.

**i** Your file must be either in XLSX format or in CSV format and encoded as UTF-8.

Drag and drop a file

Select a file...

Next step

Upload your product file here and then click on Next step



*If you used to have your product data in XML. You need to first convert it to CSV UTF8*

# The mapping process through Mirakl's Platform

## Step 2/7: Categorization

Creating a category tree will allow you to add product descriptions by breaking them down into segments.

You must place all your product categories in one column, which also includes the subcategory separator.

At the bottom of the screen, select:

- Category column
- Define the separator (optional)

**1. Import Product File** >  
**2. Categorization** >  
3. Category Mapping >  
4. Attribute Mapping >  
5. Value Mapping >  
6. Define Rules >  
7. Summary and Validation >

**Preview of File Product Upload v2.xlsx** (Only 50 columns are displayed)

Category	Hair Nails Type	SHOP_SKU	Product Name	Brand	Description	Main Image	Variant Group Co...	UPC	Color	Certified Organic	Inq
Haircare	Conditioner	SPS0012	Thickening Volum...	Bumble and Bum...	Key benefits: - Fe...	https://i.pinimg.c...	23	928475627131	Clear	Yes	Wi
Haircare	Conditioner	SPS0013	Ghost Conditioner™	Verb	What it is: A mois...	https://i.pinimg.c...	321	928475627132	Clear	Yes	Wi
Haircare	Conditioner	SPS0014	Moisture Repair C...	Moroccanoil	What it is: A mois...	https://images.pr...	423	928475627133	Clear	Yes	Ar
Haircare	Conditioner	SPS0016	Sun Radiance Ric...	Klorane	What it is: A rich, ...	https://assets.gy...	432	928475627135	Clear		YU
Hairtools	Hair Dryer	SPS0017	Supersonic Hair D...	Dyson	What it is: A hair ...	https://thumbor.f...	43242	94204753637432	Clear		
Hairtools	Curling Iron	SPS0018	SinglePass Curl 1...	T3	Which hair type is...	https://images.ult...	45435	94204753637433	Clear		
Hairtools	Hair Dryer	SPS0019	Blowout Babe Th...	Blowout Babe	What it is: A ther...	https://images-na...	54	94204753637434	Clear		
Face Masks	Masks	SPS0020	UFO™ Mask treat...	Foreo	What it is: A 90-s...	https://s7d9.scen...	13	94204753637435	Clear		
Face Masks	Masks	SPS0021	IRIS Mask device	Foreo	What it is: A devic...	https://handsonli...	14	94204753637436	Clear		

1-9/9 lines.

**Categorization**

Column corresponding to the category\*

Nothing selected

Child category separator (optional)

**Preview of your Categories**

Please select the column which corresponds to your category in order to see a preview (be sure the selected column contains values).

# The mapping process through Mirakl's Platform

## Step 3/7: Category Mapping

**Product Flow Mapping**

1. Import Product File
2. Categorization
3. Category Mapping
4. Attribute Mapping
5. Value Mapping
6. Define Rules
7. Summary and Validation

**My Categories** Mapping to do

Search for a category

Root

- Face Masks
- Haircare
- Hairtools

**Operator Categories**

Search for a category

Root

- appliance home furniture
- Bikes
- Electronics
- Fitness
- Food
- Grocery
- Health/Beaut
- Hiking
- Home
- Industrial
- Kids
- Men
- Office
- Other
- Pet Care
- Services
- Sportswear
- Tours
- Toys
- Women

**3 Categories to map**

- To be mapped (3)
- Mapping OK (0)

Drag & Drop categories from your catalog (left) to the corresponding categories of OPERATOR (right).

By clicking on the arrows, you'll run auto-mapping of your categories. All categories spelled the same way will be recognized and mapped automatically. A pop-up opens with proposals, simply validate them by clicking on « confirm ».

When mapping is complete, click on Next Step

Previous step Next step

By clicking the "+" box, you open the subcategories.

You must map each leaf level of your categories with one of the Operator's. The platform will only allow you to map at leaf level.

Categories with identical spelling can be mapped automatically by clicking on the Automap icon.

For others you will have to map manually by dragging the categories of your catalog (left) to those of the operator's (right).

1 Once a category is mapped, it will become a grey tint.

2 To modify the mapping, click on « Mapping to do » then click on the cross next to the category you want to modify

# The mapping process through Mirakl's Platform

## Step 4/7: Attribute Mapping

The screenshot shows the Mirakl Attribute Mapping interface. On the left, a navigation menu lists steps 1 through 7, with '4. Attribute Mapping' highlighted in blue. Below the menu, a summary box shows '13 Attributes to map', with '13 To be mapped' and '0 Mapping OK'. The main area is split into two columns: 'My Attributes' and 'Operator Attributes'. 'My Attributes' lists various product attributes like Brand, Color, and Description. 'Operator Attributes' shows a tree structure of attributes from a catalog, including Internal SKU, Product title, and various images. An 'Automap' button is located at the top of the 'My Attributes' column. A search bar is present at the top of the 'Operator Attributes' column. A pop-up window titled 'Attribute details' is open over the 'Image 3' attribute in the 'Operator Attributes' column, showing its requirements. At the bottom, there are 'Previous step' and 'Next step' buttons. Annotations with dashed green boxes and arrows point to the Automap button, the search bar, the Attribute details pop-up, and the Next step button. Numbered callouts '1' and '2' are also present near the 'Description' and 'Image 3' attributes respectively.

1. Import Product File

2. Categorization

3. Category Mapping

4. Attribute Mapping

5. Value Mapping

6. Define Rules

7. Summary and Validation

13 Attributes to map

13 To be mapped (13)

0 Mapping OK (0)

My Attributes

Automap

Operator Attributes

Use the search bar to easily find attributes

By clicking on Automap, a pop-up opens, simply validate each step.

1

2

Attribute details

- Image 3
- Type : Media (max 8 MB, type Image)

When mapping is complete, click on Next Step

Previous step

Next step

Attributes with identical spelling can be mapped automatically by clicking on the Automap icon.

For others you will have to do it manually by dragging the attributes of your catalog (left) to those of the operator (right).

1 Once an attribute is mapped, you will see your attribute names besides the operator's attribute name, between parentheses.

2 For more information about the Operator's requirements, hover over the attribute, an explanatory pop-up will appear.

# The mapping process through Mirakl's Platform

## Step 5/7: Value Mapping

The screenshot displays the 'Product Flow Mapping' interface. On the left, a vertical menu lists seven steps: 1. Import Product File, 2. Categorization, 3. Category Mapping, 4. Attribute Mapping, 5. Value Mapping (highlighted in blue), 6. Define Rules, and 7. Summary and Validation. The main workspace is divided into two panels. The left panel, titled 'My Values', contains a search bar and a list of values: 'Color (Color)' with a 'Clear' button. A dashed green box labeled 'Mapping to do' is positioned above the search bar, with an arrow pointing to the 'Color (Color)' value. The right panel, titled 'Operator values (Color\_Clothing)', contains a search bar and a list of predefined values: Blue, Red, Black, White, and Yellow. A circled '1' is placed next to the 'Blue' value. A text box at the bottom of the interface reads: 'By clicking on Automap, a pop-up opens, simply validate each step.'

The same way for attributes, values with identical spelling can be mapped automatically by clicking on the Automap icon.

For others you will have to do it manually by dragging values of your attributes (left) in those of the operator (right)

- 1 The list of values is predefined and it is possible that one of your values is not registered yet. In that case, please email to your marketplace contact. Specify in the subject line «New Attribute Value to create» and in the email body, a list of your missing values.

# The mapping process through Mirakl's Platform

The screenshot displays the 'Product Flow Mapping' interface. On the left, a navigation menu lists seven steps: 1. Import Product File, 2. Categorization, 3. Category Mapping, 4. Attribute Mapping, 5. Value Mapping, 6. Define Rules (highlighted in blue), and 7. Summary and Validation. The main area is divided into three sections: 'My Attributes', 'Details and Rules', and 'Transformations'. Under 'My Attributes', a tree view shows 'Root' with sub-attributes: 'Color (Color)', 'Description (Description)', 'UPC (UPC)', and 'Variant Group Code (Variant Group Code)'. A green arrow points from the 'Description' attribute to the 'Details and Rules' section. In 'Details and Rules', the attribute is mapped to 'Description'. Below this, a text box shows the attribute's details: 'Code: product-description', 'Description: This is the description of the product that the Client will see on the PProduct Details page', 'Type: Long Text', and 'Attribute Qualifier: Optional'. A green arrow points from this text box to the 'Transformations' section. In 'Transformations', a dropdown menu is open, showing the selected rule: 'Capital at the beginning of every sentence'. A blue 'Add' button is visible below the dropdown. At the bottom of the interface, there is a 'Confirm' button and a 'Cancel' button. A blue dashed box highlights the 'Add a transformation' section, which includes a circled '1' next to the 'Transformation type' dropdown.

## Step 6/7: Define Rules (optional)

You can transform or validate the contents of your attributes at this step.

Ex: Automatically add a capital letter at the beginning of each sentence for the attribute "Description":  
Transformations > Capital at the beginning of every sentence.

# The mapping process through Mirakl's Platform

## Step 7/7: Summary & Validation

Finally, before importing the catalog, you can review the steps to see if the data has been accurately imported.

The screenshot displays the 'Product Flow Mapping' interface. On the left, a sidebar lists seven steps: 1. Import Product File, 2. Categorization, 3. Category Mapping, 4. Attribute Mapping, 5. Value Mapping, 6. Define Rules, and 7. Summary and Validation. Step 7 is highlighted with a blue background and a dashed green border. The main content area is divided into three panels: 'Summary', 'Categories', and 'Attributes'. Each panel shows a product icon, a count of products, and a status indicator (Available, Accepted, or Rejected) with a corresponding count. A dashed green box highlights the 'Summary' and 'Categories' panels, with a callout box stating: 'You will be able to see if any attributes, values or categories have been incorrectly mapped.' Below the panels, there is a 'Back to attribute mapping' button and a 'Import my products' button. A callout box points to the 'Import my products' button, stating: 'Once you have completed the mapping process, click here to import your product file to the marketplace.'

**Summary**

Product Icon	Available (0)	Rejected (9)
📱	0	9

**Categories**

Product Icon	Accepted (9)	Rejected (0)
📱	9	0

**Attributes**

Product Icon	Accepted (0)	Rejected (9)
📱	0	9

**1** Some required attributes are not mapped. The concerned products will not be imported.

[Back to attribute mapping](#)

[Import my products](#)

[Previous step](#)

- 1** If some categories, attributes or values are rejected, you will have to complete that phase of the mapping process again. To do so, simply click on "Back to X mapping"



# Update or fix your mapping (1/2)

## Editing Category / Attribute

If you want to make any modifications on your mapping, click on:  
Settings > Catalog mapping

From this screen you will be able to edit, delete or add attributes and value by clicking on those logos:

**My Product Data Settings**

Manage my value lists | Use the configuration wizard | Operator configuration

Category | Attribute | Attribute defining the category | Attribute with rule(s) | Attribute with list | Add | Edit | Delete | Automap | Details and Rules

Edit value mapping | Mapping established | Required attribute | Recommended attribute | Disabled attribute

**My Configuration**

Mapping to do | Attributes

Root

- Category
- Color
- Description
- UPC
- Variant Group Code
- Face Masks
- Haircare
- Hairtools

Category | Color | Description | UPC | Variant Group Code | Skin Care | Shampoo | Conditioner

Please define your configuration first in order to associate it with the operator configuration.

! Whenever you add products to the marketplace that are part of a new category, you will need to repeat the mapping process (slide #18 - #24)

Add | Edit | Delete

Automap | Details and Rules | Edit value mapping

# Update or fix your mapping (2/2)

## Example: Editing a Value List

If you want to make any modifications on a value list, click on:

**Settings > Catalog mapping > Manage my value lists**

The screenshot displays the 'My Product Data Settings' interface. At the top right, there are three buttons: 'Manage my value lists' (highlighted with a dashed green box), 'Use the configuration wizard', and 'Operator configuration'. Below these, a navigation bar includes 'Category', 'Attribute', and 'Attribute defining the category'. A secondary bar shows 'Attribute with rule(s)', 'Attribute with list', 'Add', 'Edit', 'Delete', 'Automap', and 'Details and Rules'. A status bar at the bottom indicates 'Mapping established', 'Required attribute', 'Recommended attribute', and 'Disabled attribute'.

A modal window titled 'Add a value to the list Color-Color\_Clothing' is open, showing input fields for 'Code' (with 'White' entered) and 'Label' (with 'White' entered). It includes 'Cancel' and 'Confirm' buttons.

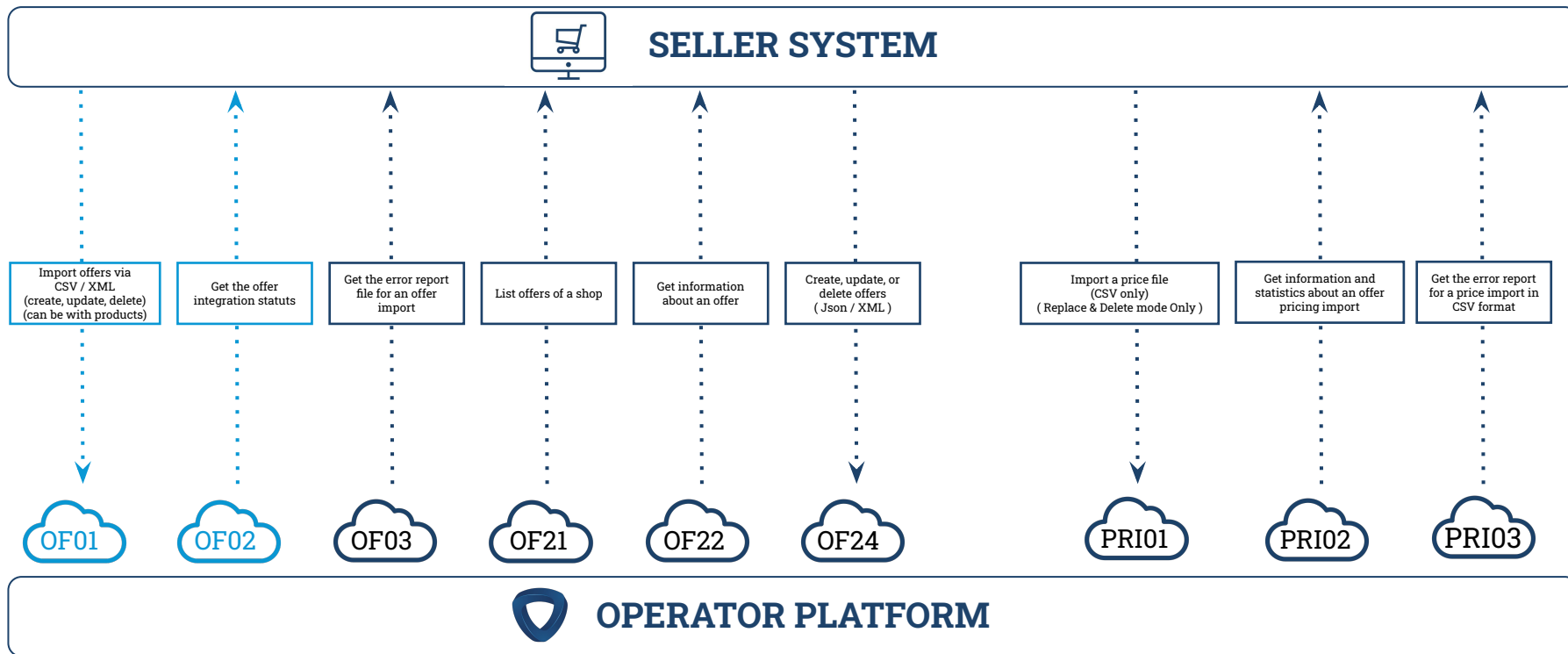
A text box with a dashed green border contains the text: 'By clicking on 'Manage my value lists', a new window will open where you can add new value lists, edit, or delete values, etc.' Green arrows point from the 'Manage my value lists' button to this text box, and from the text box to the modal window.

# APIs related to Offers & Advanced pricing

Main APIs :



Optional APIs :



# Offer creation : Mandatory fields



There is no mapping on the offer file, you must ensure that you fill the fields as shown below:

Offer field	Description	Accepted value	Example	Type
sku	The offer's unique identifier in the shop.	Character string limited to 40 characters. The character '/' is forbidden	65351	TEXT
product-id	Unique product identifier for a given product-id-type	Character string limited to 40 characters. The character '/' is forbidden	5423049302914	TEXT
product-id-type	Type of product-id identifier	Value: SKU (product SKU) ,ISBN, UPC, EAN, SHOP_SKU ...	SHOP_SKU	LIST
price	The price of the offer in the currency of the marketplace	Decimal number. a period is used to separate cents.	25,43	DECIMAL
state	The state code of the offer. This refers to whether the product is New or refurbished.	The accepted values are defined in the back office view	11	LIST
quantity	The quantity available in stock (maximum: one billion).	Integer greater than or equal to 0	100	INTEGER

# Offer creation : optional fields

Optional fields are related to Operator configuration.  
To know which optional field are used you can download the operator offer template:  
Price and Stock > File imports > Offers "Excel template"

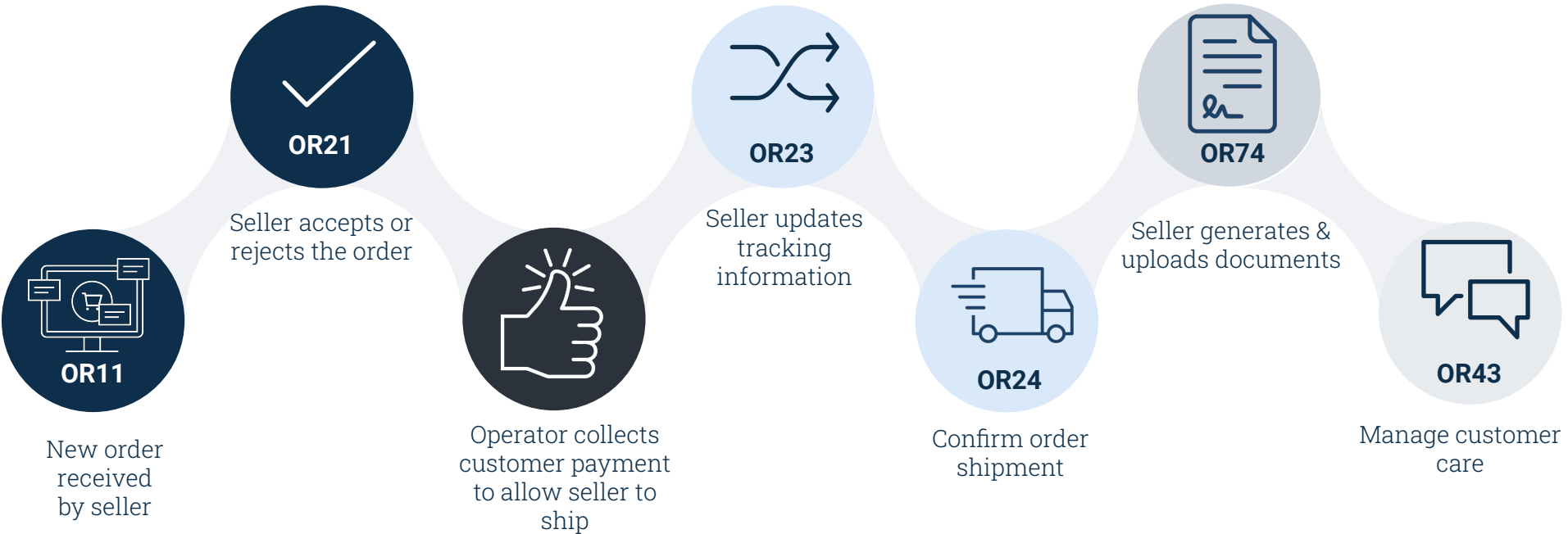
Offer field	Description	Accepted value	Example	Type
discount-price	Discount price in the currency	Decimal number. a period is used to separate cents	20.15 (lower than "price" field)	Decimal
description	offer description	The offer description is limited to 2000 characters		TEXT
logistic-class	This logistic class overwrites the default logistic class defined for the product or Marketplace category assigned to the offer.	The code for the logistic class.	OV1	LIST
Lead-time-to-ship	The lead time to ship corresponding to the offer	Number of day greater than or equal to 0. Smaller than a max of xx days	6	INTEGER
price ranges	The ranges of the prices with "volume-pricing" feature	quantityThreshold1 price1, quantityThreshold2 price2	1 12, 5 10	

# 4 Automate your order management and after-sale tasks

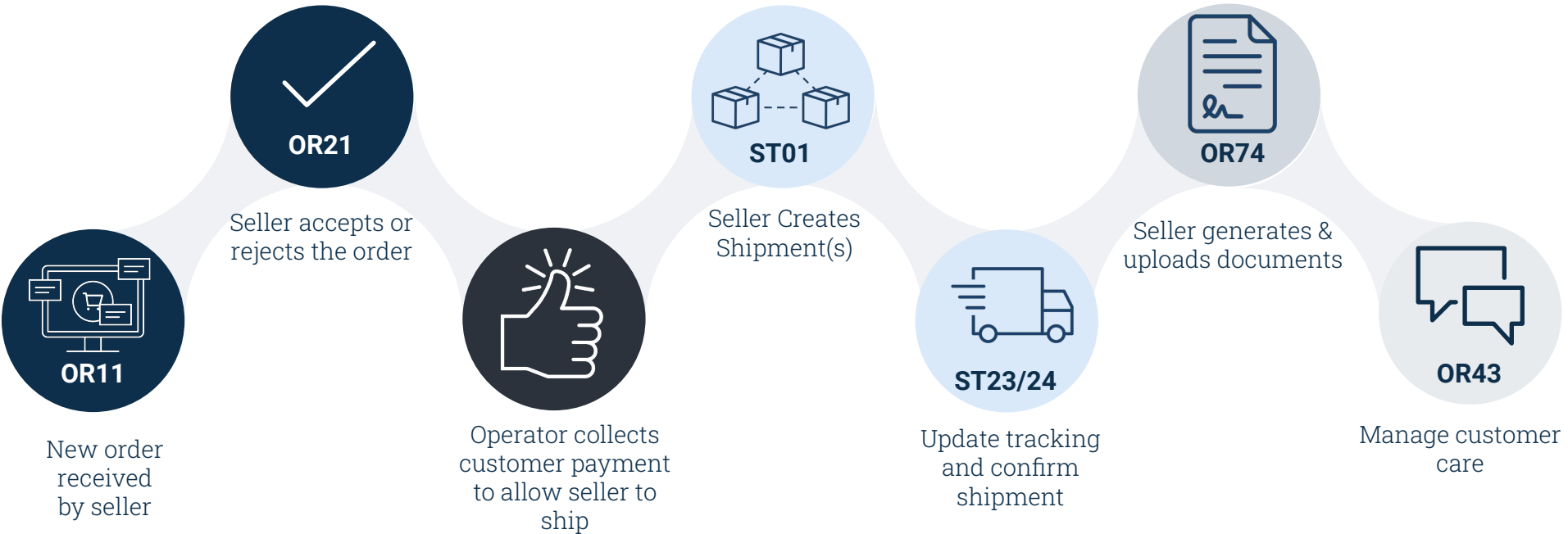
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Learn how to determine which APIs to use and how you want to integrate your orders, customer service and accounting to the marketplace

# The order life cycle on a Mirakl Marketplace (single shipment)



# The order life cycle on a Mirakl Marketplace (if multi-shipment feature is enabled)



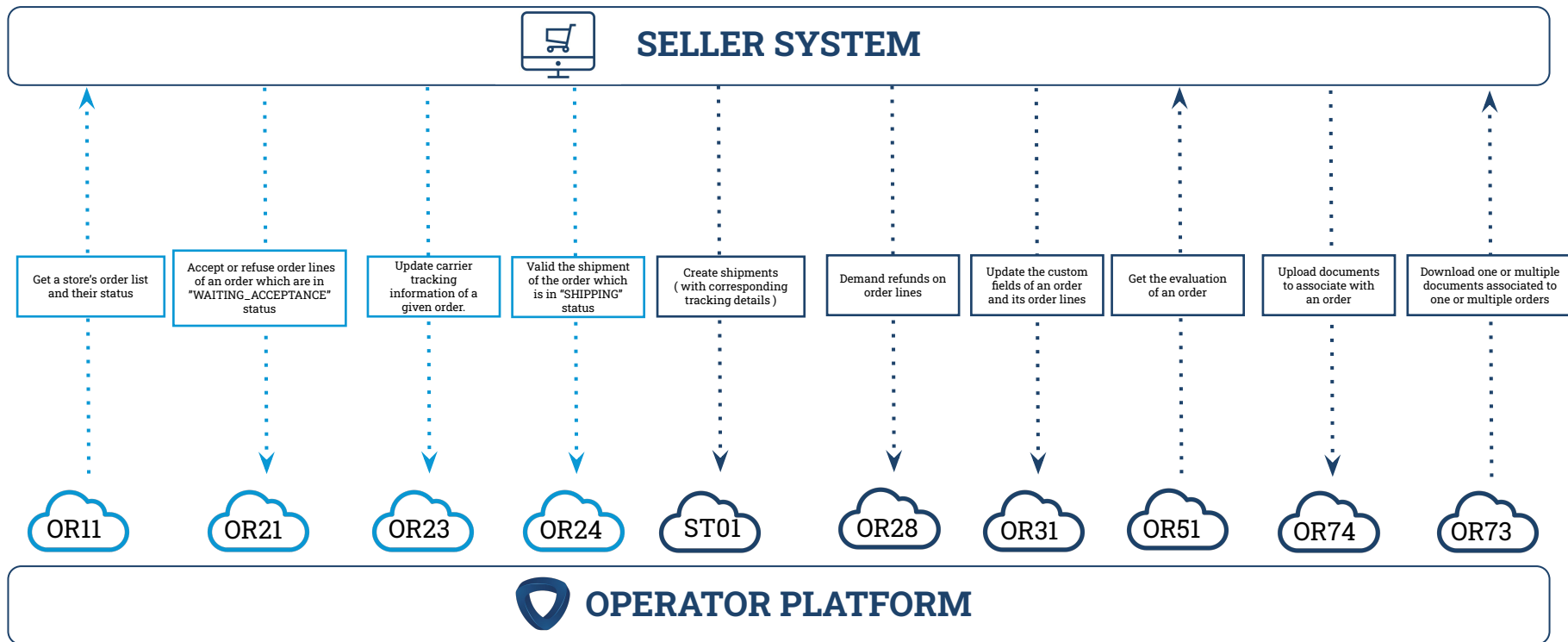


# APIs related to Order management

Main APIs :



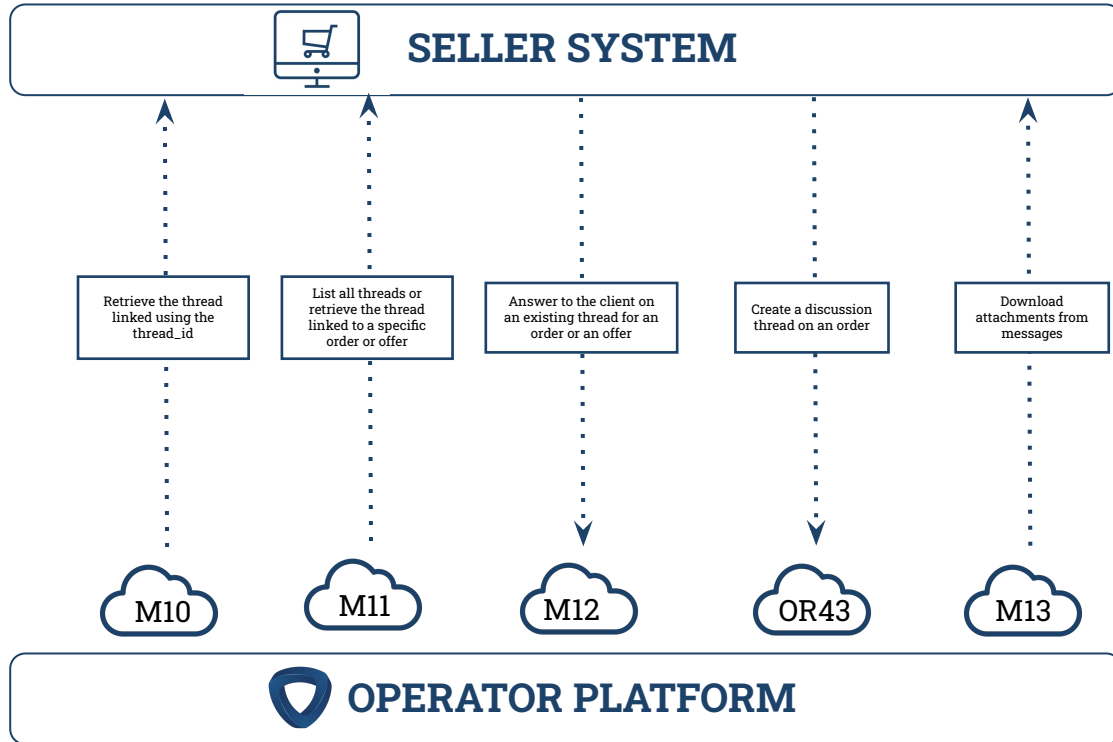
Optional APIs :



# 4.1

## Automate your customer service

# APIs related to Customer relationship management



# 4.2 Automate your accounting



# Invoice as message attachment

---

To be used if the "Order Invoicing" feature is disabled by the Operator

The file names must contain only US-ASCII characters.  
Operator to share the type\_codes available to the seller.

Format attended is PDF.

*Submit the invoice via APIs OR74 or the back office.*

## Upload an order document

Document type \*

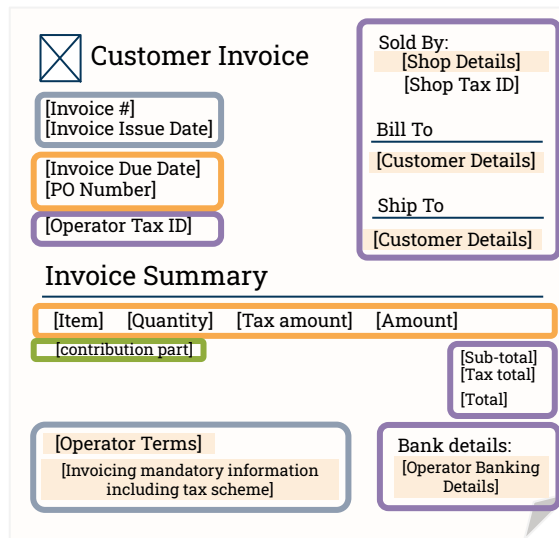
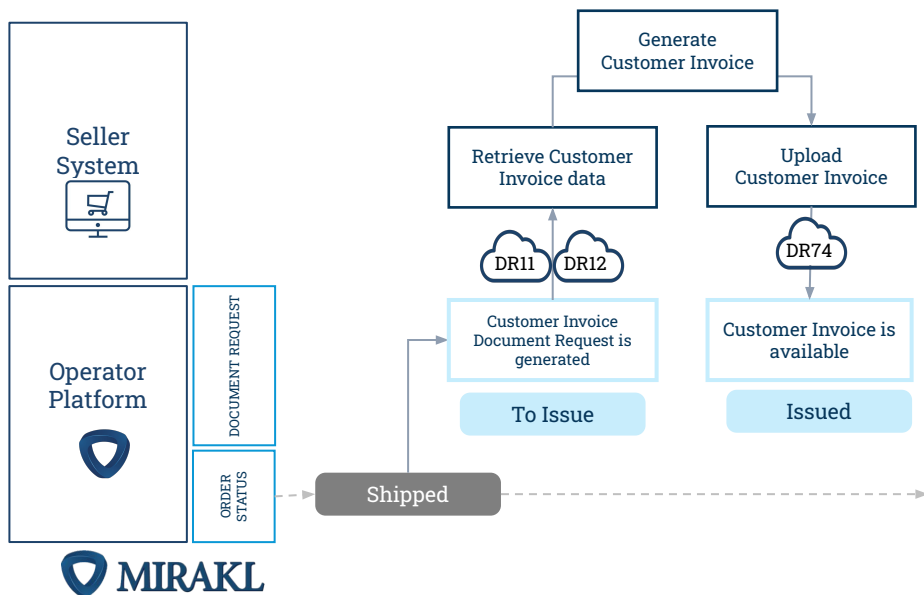
- Credit Note
- Invoice**
- Payment Slip
- PO Document
- Terms & Conditions

# Invoicing workflow if enabled

Order invoice or customer invoice requests are generated when either:

- . Payment of the order is confirmed (Pay on Acceptance, Pay on Shipment, or Pay on Delivery workflows)
- . The order is shipped and taxes are confirmed (Pay on Delivery, Pay on Due Date workflows)
- . The order is shipped and no debit payment is expected (No Customer Payment Confirmation workflow)

Format attended with DR74 is PDF or cXML.



Sequencing to generate the document



Data retrieved when listing document requests



Data retrieved when listing request lines



(If needed)

Data retrieved with custom fields on Order



Data set when generating the document

# Sequencing in details, to generate and issue the document (1/2)

Sequencing

DR  
11

Retrieve main data  
when listing document requests

```
{
  "id": "mirakl-generated-request-id",
  "entity_id": "MY-ORDER-001-A",
  "entity_type": "PRODUCT_LOGISTIC_ORDER",
  ...
  "due_date": "2022-10-25T14:24:15.861Z",
  "issuer": {
    "organization": {
      "name": "Customer Name",
      "address": { ... },
    }
    "type": "SHOP",
  },
  "recipient": {
    "billing_address": { ... },
    "shipping_address": { ... },
  },
  "payment_destination": { ... },
  "payment_terms": {
    "days": 90,
    "type": "NET"
  }
  ...
  "state": "TO_PROCESS",
  "total_amount_excluding_taxes": 100.00,
  "total_amount_including_taxes": 120.00,
  "total_tax_amount": 20.00,
  "type": "INVOICE"
}
```

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Retrieve data per orderline  
when listing request lines

```
"data": {
  "entity_id": "MY-ORDER-001-A-1",
  "entity_type": "PRODUCT_DEBIT",
  ...
  "order": {
    "id": "MY-ORDER-001-A",
    "reference_for_customer": "Buy-PO-1234",
    "reference_for_seller": "CA-1203029-MP"
  },
  "product": {
    "reference": "4736430201923",
    "type": "EAN"
  },
  "quantity": "2",
  "shipping_price_excluding_taxes": 4.16,
  "shipping_taxes": {
    "amount": "0.84",
    "code": "vat-fr",
    "rate": "20.00",
  },
  "taxes": {
    "amount": "12.00",
    "code": "vat-fr",
    "rate": "20.00",
  },
  "price_excluding_taxes": 64.16,
  "unit_price_excluding_taxes": 30.00,
  "total_price_including_taxes": 77,
}, {
  "entity_id": "MY-ORDER-001-A-2",
  ...
}
```

# Sequencing in details, to generate and issue the document (2/2)

OR  
11

(If needed)

Retrieve order-related additional data  
when listing orders

```
{
  "order_id": "MY-ORDER-001-A",
  ...
  "order_lines": [{
    "order_line_additional_fields":
  [
    {
      "code": "eco-contribution",
      "value": 0.10
    }, ...]
  }, {
  ...
  }],
  ...
}
```



Generate the document and set  
document-related additional  
data

invoice-0001234.pdf

Customer Invoice		Sold By:	
[Invoice #]	[Operator Details]	[Operator Tax ID]	
[Invoice Issue Date]	[Invoice Due Date]	<b>Bill To</b>	[Customer Details]
[PO Number]	[Customer Tax ID]	<b>Ship To</b>	[Customer Details]
<b>Invoice Summary</b>			
[Item]	[Quantity]	[Tax amount]	[Amount]
[contribution part]			[Sub-total]
			[Tax total]
			[Total]
[Operator Terms]	Bank details:		[Operator Banking Details]
[Invoicing mandatory information including tax scheme]			

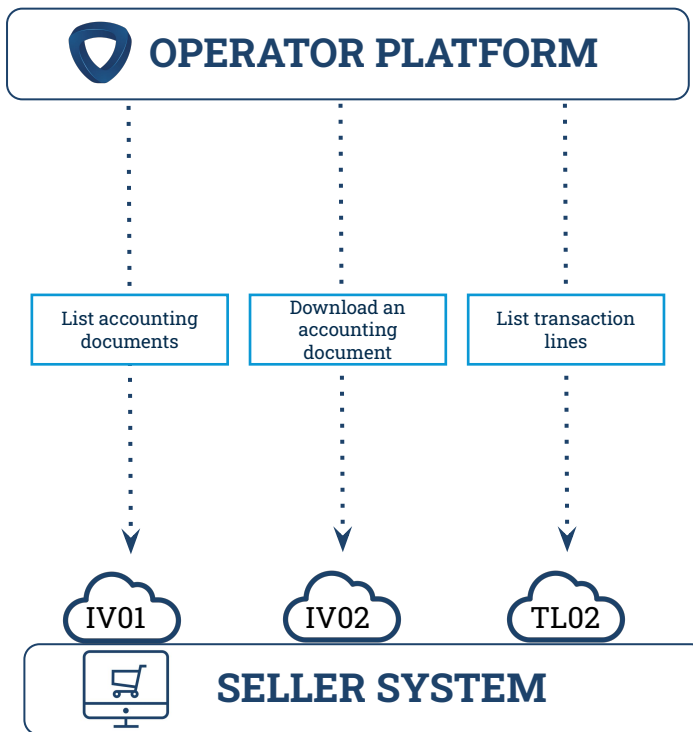
DR  
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Issue the document  
by pushing it to Mirakl

```
{
  "requests": [
    {
      "request_id":
      "a553f483-fcaa-40d0-bf1c-7864449a6646",
      "document_number": "0001234",
      "files": [
        {
          "name": "invoice-0001234.pdf",
          "format": "PDF"
        }
      ]
    }
  ],
}
```



# Automate your accounting for operator invoices



The transaction history lists all the operations that are carried out on the seller's account:

- orders, commissions, and refunds (with details per order line item)
- subscriptions
- shop payments
- manual transactions

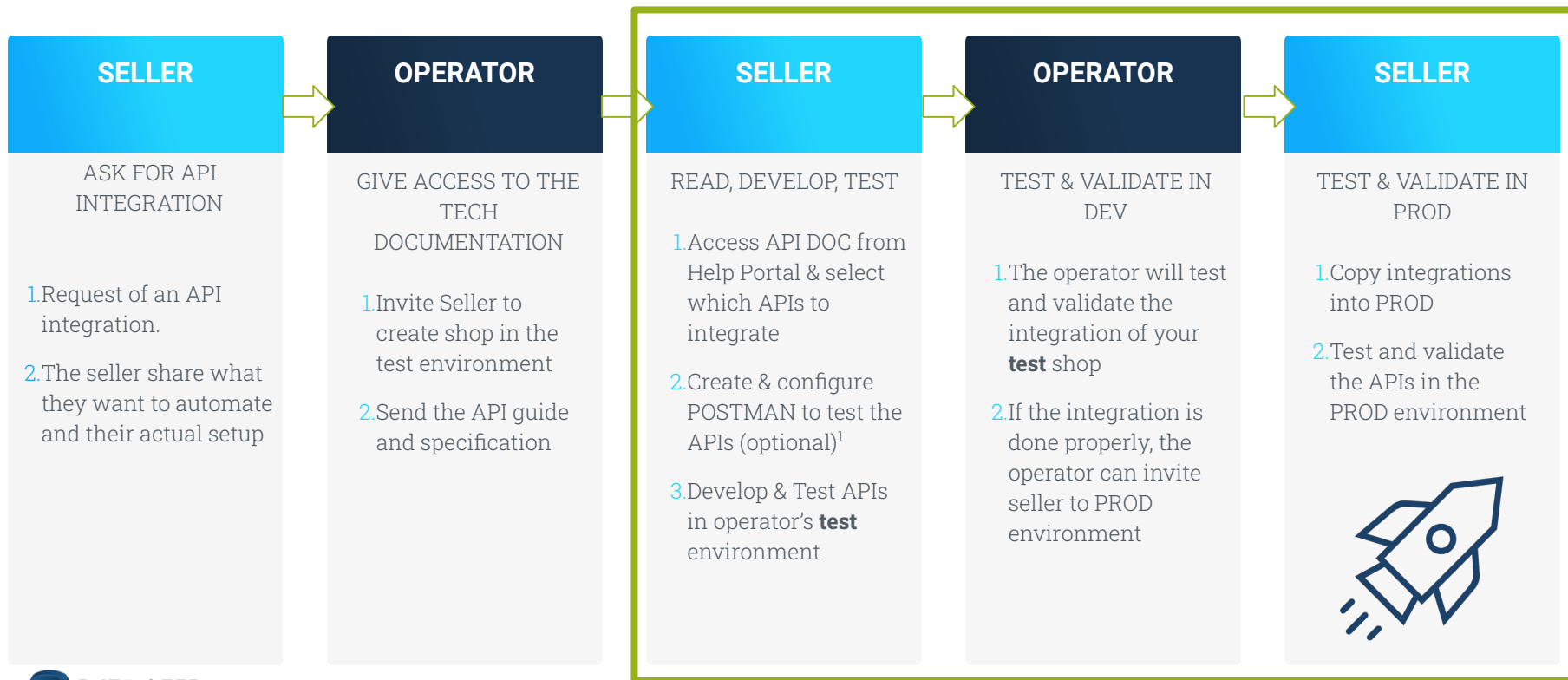
Step	Transaction line status	Trigger in Mirakl	Seller's balance	Action in transaction log
1	PENDING	A transaction is created when the operator confirms the order line via <a href="#">PA01</a> .	Pending	The seller's balance is increased by the total amount of all order line items, minus the commission.  <b>i</b> Actions carried out on orders before this stage (customer debit) do not affect the transaction log, and do not appear in the journal.
2	PAYABLE	The status of the transaction updates when the order status changes to RECEIVED.	Payable	The total amount of all of the order line items received by the customer is transferred from the Pending balance to the Payable balance.
3	PAID	The status is updated when the file containing the information to issue the "payment file" has been generated.	Paid	The total amount of all of the order line items is transferred to the Paid balance if no incident is opened by the customer.

# 5

Test your API  
integration using  
Postman

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# Understanding the Integration Process



# About Postman

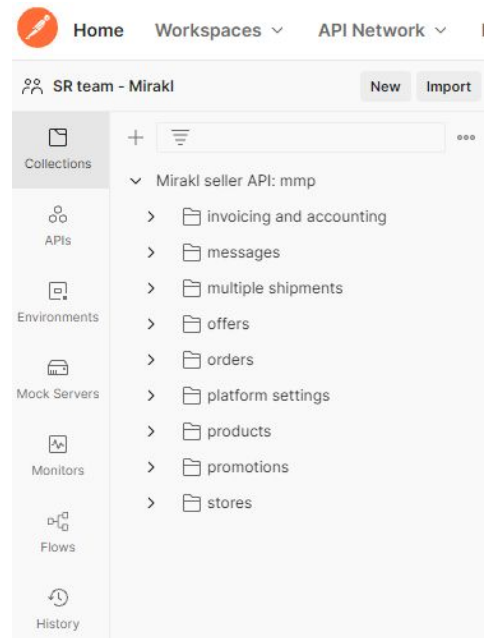
## About Postman

Postman is a third-party software that has not been developed by Mirakl. It allows you to make easy API calls.

Thanks to Mirakl API collection that can be imported in Postman, you will be able to call Mirakl APIs. The full API collection (under the format JSON) is available in the help portal.

## Install Postman and import the Mirakl API library:


1. Download Postman app from their official website and follow the installation instructions (Or you can use the Postman on the web version)
2. Launch Postman
3. In the Postman toolbar, click on « Import ». The import window appears.
4. Click on « Upload Files » to import the Mirakl API collection (JSON file). The Mirakl collection appears in the Collections list.



# Configure Postman

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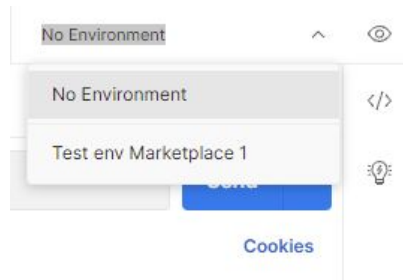
You must use Postman on the operator's the test environment.

1. In Postman, click on  and click on Add a environment
2. Define a name for the New environment
3. Define variables :
  - A. SHOP\_KEY (that you will find in your back-office: My user settings > API Key)
  - B. URL (the URL of the operator test environment (e.g. https://dev-new.mirakl.net))

Click on the save button

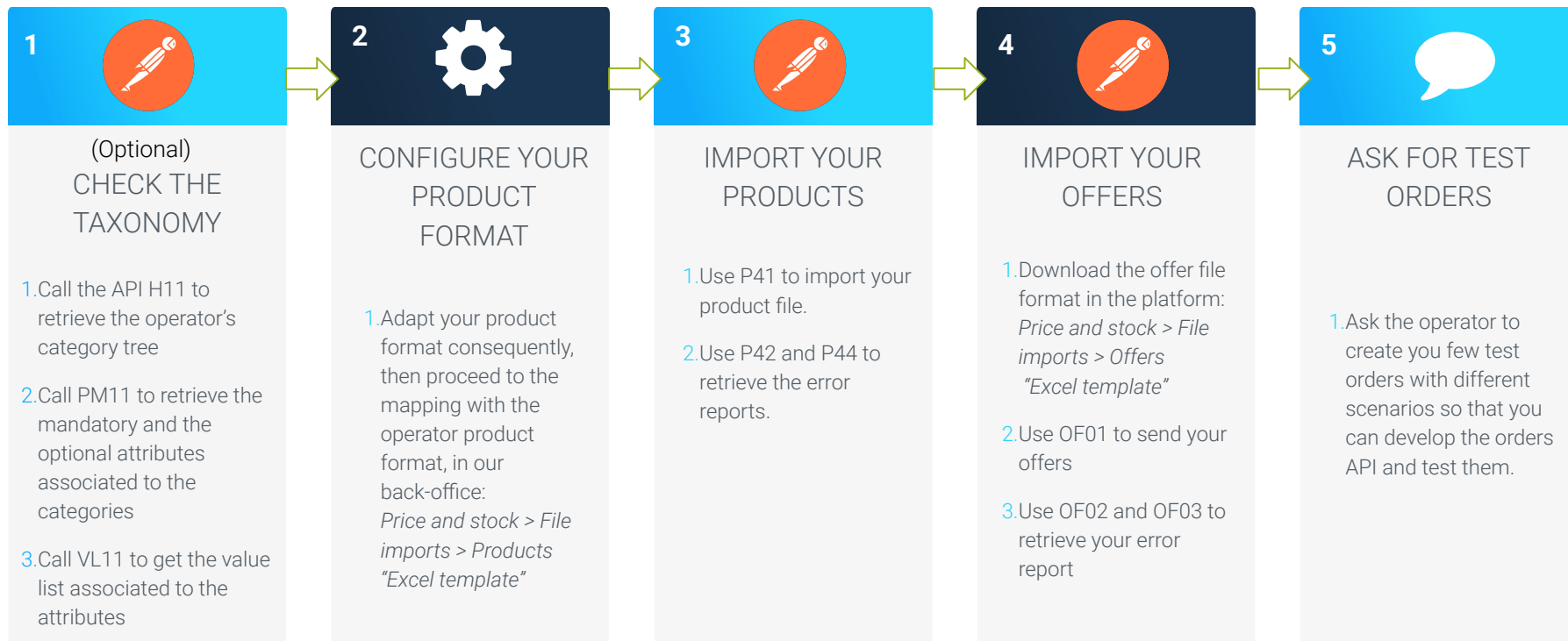
Click on the drop-down list No Environments and select the environment that you just set up.

You can now start calling Mirakl APIs.

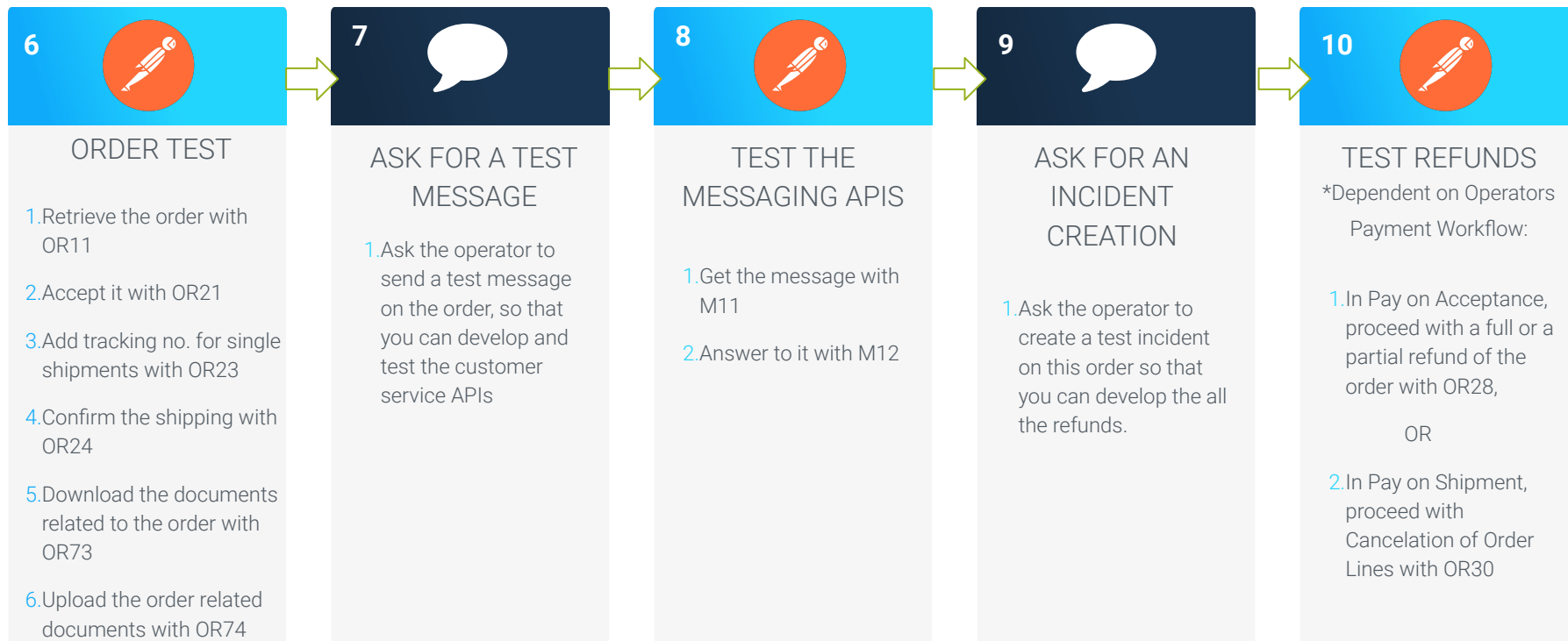


# 5.1 Example Test Scenario

# Example: 10 simple steps to test your APIs



# Example: 10 simple steps to test your APIs





# 6

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# Integration Error Reports

# Understand the product error report ( 1/2 )

Code	Error message	Cause / Solution
1004	"Category could not be identified"	The column which must contain the Catalog category is not specified in the file or not detected. <b>Solution:</b> Check if the attribute name is properly written in the header of the file (without space character).
1002	Incorrect number of fields	<b>Solution :</b> Sellers need to be sure that the file does not contain values in cells with not column header and that they don't have header duplicated in the file
1005	"Hierarchy has to be mapped to a leaf operator hierarchy"	Sellers can only create product on the leaf operator Catalog category. <b>Solution:</b> Sellers must change their mapping configuration to map their catalog categories to your leaf catalog categories.
1006	"Hierarchy has to be mapped to an operator hierarchy"	The seller's catalog category is not mapped to your catalog category. Mapping is mandatory for the seller to import his/her product. <b>Solution:</b> In the back office, map your catalog category to operator catalog category.
1100	"Internal error"	Another error occurred. <b>Solution:</b> Contact your operator
1001	"Category is unknown"	This catalog category informed by the seller does not exist or is not properly written. <b>Solution:</b> <ul style="list-style-type: none"><li>- if the category exists, your seller should check whether it is properly written (without space character)</li><li>- or if the category does not exist, the seller must create its category and map it to your category (from the back office)</li></ul>

# Understand the product error report ( 2/2 )

Code	Error message	Cause / Solution
1000	"Attribute is required"	A required attribute has no defined value. <b>Solution:</b> In the imported product file, enter a value for this attribute. (If the seller is using the mapping wizard) map the missing attribute
2001/3001	"The attribute {a} must be superior to {x}"	The value is lower than the configured value. <b>Solution:</b> In the imported product file, enter a value higher than {x}.
2011/3011	"The attribute {a} must be a numeric"	The value is not numeric. <b>Solution:</b> In the imported product file, enter a numeric value (e.g. 1, 5, 45).
2012/3012	"The attribute {a} must be a date"	The value is not a date. <b>Solution:</b> In the imported product file, enter a date value.
2014/3014	"The attribute {a} must be a valid URL"	The value is not an URL. <b>Solution:</b> In the imported product file, enter a URL value.
2015	"The attribute {a} is not a supported file"	The mentioned file is not supported. Only happens for media type attribute. <b>Solution:</b> The value must refer to a file type such as: .pdf, .jpg, and so on.
2016/3016	"The attribute {a} must be a numeric with at most {x} decimals"	There are more decimals than allowed. <b>Solution:</b> In the imported product file, enter a value with no more than {x} decimals.



# Error report on offers (1/3)

To download the Offer Import Error report, call OF03.

Error Message	Cause / Solution
The product linked to the new offer is different from the product linked to the existing offer.	You are trying to change the product linked to an existing offer. <b>Solution:</b> You must delete the existing offer, wait for the offer-product assignment delay to be over, and recreate the offer on the new product.
The product linked to the new offer is different from the product linked to an old offer which has the same shop id.	You are trying to create an offer using the ID of a deleted offer. The new offer is linked to a different product than the product the deleted offer was linked to. There is a waiting period defined by the operator before you can create the new offer. <b>Solution:</b> You can create the new offer with another ID to avoid waiting. For more information, contact your Operator contact
The product does not exist	In your file, you must indicate the "product-id" and "product-id-type" to match your offers with the product. If you got this error message, it is because no product with this identifier exists in Mirakl. <b>Solution:</b> <ul style="list-style-type: none"><li>- check with the operator to make sure the type of the identifier is correct (it can be EAN, ISBN, SKU, SHOP_SKU...)</li><li>- or if the product has been correctly created by the operator</li><li>- you can use API P31 to check if the product exists with the couple "product-id product-id-type"</li></ul>
This import type does not allow the use of the 'update-delete' column	You cannot use the "update-delete" column with the current import mode. <b>Solution:</b> Use the "NORMAL" import mode to use the "update-delete" column in your file.

# Error report on offers (2/3)

Error Message	Cause / Solution
No existing offer to update	<p>You are either:</p> <ul style="list-style-type: none"><li>- using the "UPDATE" mode to import the offers and the offer SKU does not match an offer existing in Mirakl</li><li>- trying to create an offer but the "product-id" and/or "product-id-type" headers are not entered correctly or do not exist</li></ul> <p><b>Solution</b></p> <ul style="list-style-type: none"><li>- Check if the SKU is correct or use the "NORMAL" mode to add the offer.</li><li>- Add the columns "product-id" and "product-id-type" with valid values</li></ul>
The state of the product is unknown	<p>The product state you entered does not exist.</p> <p><b>Solution:</b></p> <ul style="list-style-type: none"><li>- You must enter the state code, not the label. Check if you properly filled the state code and not the label.</li><li>- Call API OF61 to get the list of all states allowed by the operator.</li></ul>
The 'price' field is mandatory	<p>The "price" field is not found in the file. This information is mandatory to create an offer.</p> <p><b>Solution:</b> If you have added this field, check if it is properly written.</p>
The 'sku' field is duplicated in the source file	<p>The sku already exists in the file.</p> <p><b>Solution:</b> You cannot duplicate a sku in the file.</p>
The logistic family is unknown	<p>The logistic family you entered does not exist.</p> <p><b>Solution:</b> Specify an existing logistic family.</p>
The available date range is incorrect	<p>The correct format of each date is "yyyy-mm-dd".</p> <p><b>Solution:</b> Check if:</p> <ul style="list-style-type: none"><li>- the date format is "yyyy-mm-dd"</li><li>- the start date is prior or identical to the end date</li></ul>
The discount date range is incorrect	<p>The correct format of each date is "yyyy-mm-dd".</p> <p><b>Solution:</b> Check if:</p> <ul style="list-style-type: none"><li>- the date format is "yyyy-mm-dd"</li><li>- the start date is prior or identical to the end date</li></ul>

# Error report on offers (3/3)



Additional offer error [Troubleshooting article](#)

Error Message	Cause / Solution
The discount price is incorrect: must not be null or must be lower than price	You cannot specify a discount price equal or greater than the original offer price. <b>Solution:</b> Check if the discount price is strictly lower of the offer price. If you get this message during price update, first check if any discount is still associated to the offer. <ul style="list-style-type: none"><li>if yes and if the promotion is outdated, remove it before update the price</li><li>if not or if the promotion is still relevant, adjust the price and the discount together</li></ul>
This product is not available for sale	The operator has temporarily or definitively decided not to sell this product. <b>Solution:</b> Contact your operator.
The 'price' field has an invalid range	The price of your offer is lower or greater than the limit price set by the operator. <b>Solution:</b> Contact your operator. Ask for the limit and adjust the price of your offer.
The 'discount_price' field has an invalid range	The discount price of your offer is lower or greater than the limit price set by the operator. <b>Solution:</b> Contact your operator. Ask for the limit and adjust the discount price of your offer.
The mandatory additional field is missing	The mandatory additional field set by the operator is missing in your file. <b>Solution:</b> Call API <a href="#">AF01</a> to get the list of available additional fields.
The 'leadtime-to-ship' field has an invalid value. The value must be a positive integer and must not exceed the limit defined by the operator.	The "leadtime-to-ship" field value is incorrect. <b>Solution:</b> <ul style="list-style-type: none"><li>change the value of the "leadtime-to-ship" field</li><li>ask the operator about the maximum value</li></ul>
The 'product-id' field is mandatory when 'product-id-type' is filled	The "product-id" and "product-id-type" fields are linked together and cannot be separated. The "product-id-type" is used to know the type of the product reference you filled in the "product-id" field.



Thank you.