



Mirakl Shop API - Seller Guide

— Agenda



1. Introduction
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

About the API Integration method

ABOUT THIS GUIDE

The purpose of this guide is to present the APIs integration method for sellers. 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 ecommerce activity.

WHY USE THIS THIS INTEGRATION METHOD?

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.

DO WE HAVE TO AUTOMATE EVERYTHING?

APIs are made to ease Marketplace 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

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

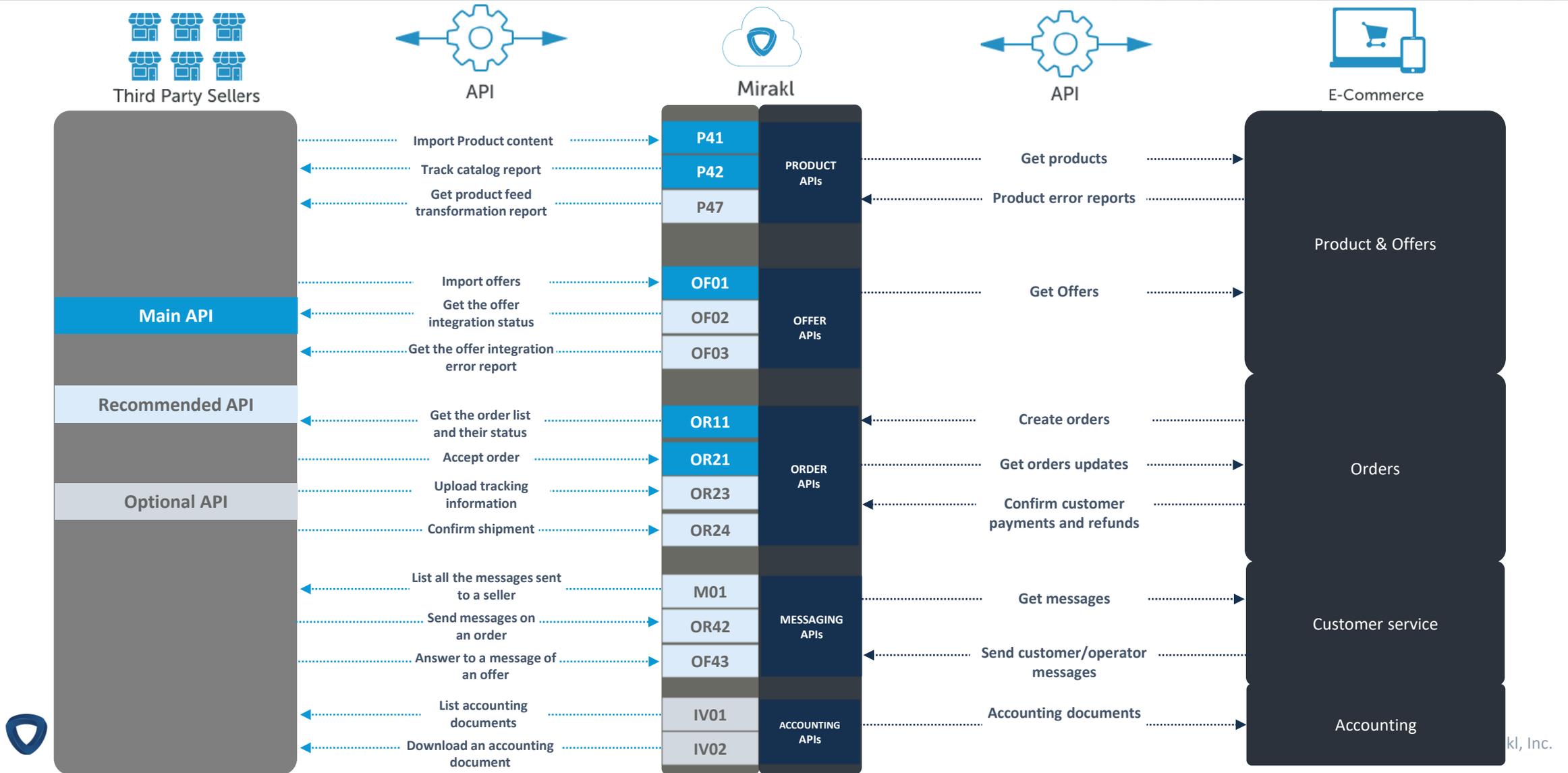
Mirakl Seller APIs allow you to automate 4 main parts of your activity on the marketplace:

- Catalog: product imports & offer imports
- Customer service features
- Order management & shipping information
- Accounting management

You are free to integrate a part or all the APIs related to these 4 topics.



Overview of the global API capabilities



This is not an exhaustive list, you can find all the APIs under each section

Choice of APIs & strategy of integration

Mirakl provides different automation methods, you can use any of them depending your IT system:



Mirakl has developed a **Magento 1 & 2** connector that will enable you to automate your product synchronization, offer integration and order management without requiring any technical skills.

The Magento connector documentation is available on the help portal *(see next slide)*



If your e-commerce solution is coded in **PHP** or **Java**, you can retrieve the **SDK on the help portal**. The SDK is a set of programming support tools that will help you integrate flows and Mirakl APIs easily and rapidly, whilst decreasing your margin of error in your regular flows sent out.

Mirakl JAVA and PHP SDKs is available on the help portal *(see next slide)*



If your e-commerce solution is not Magento or is not coded in PHP or Java, you will have to do all the **developments** to integrate the APIs yourself.

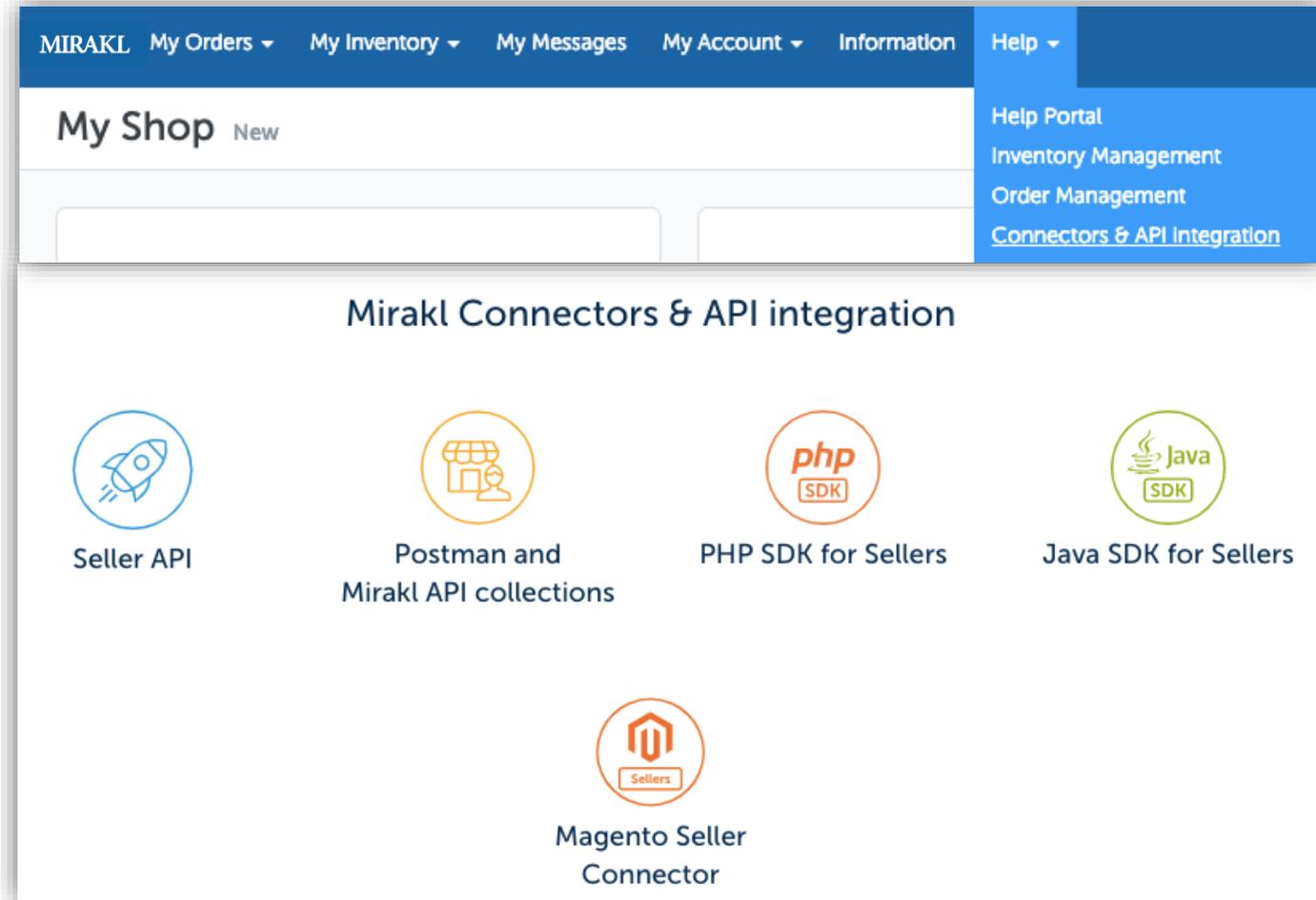


The last two methods require development skills. If you don't have an IT department or if you don't want to use an external resource, you can opt for another integration method: manual, through file or FTP. Ask your operator for advice.

Get the technical explanations

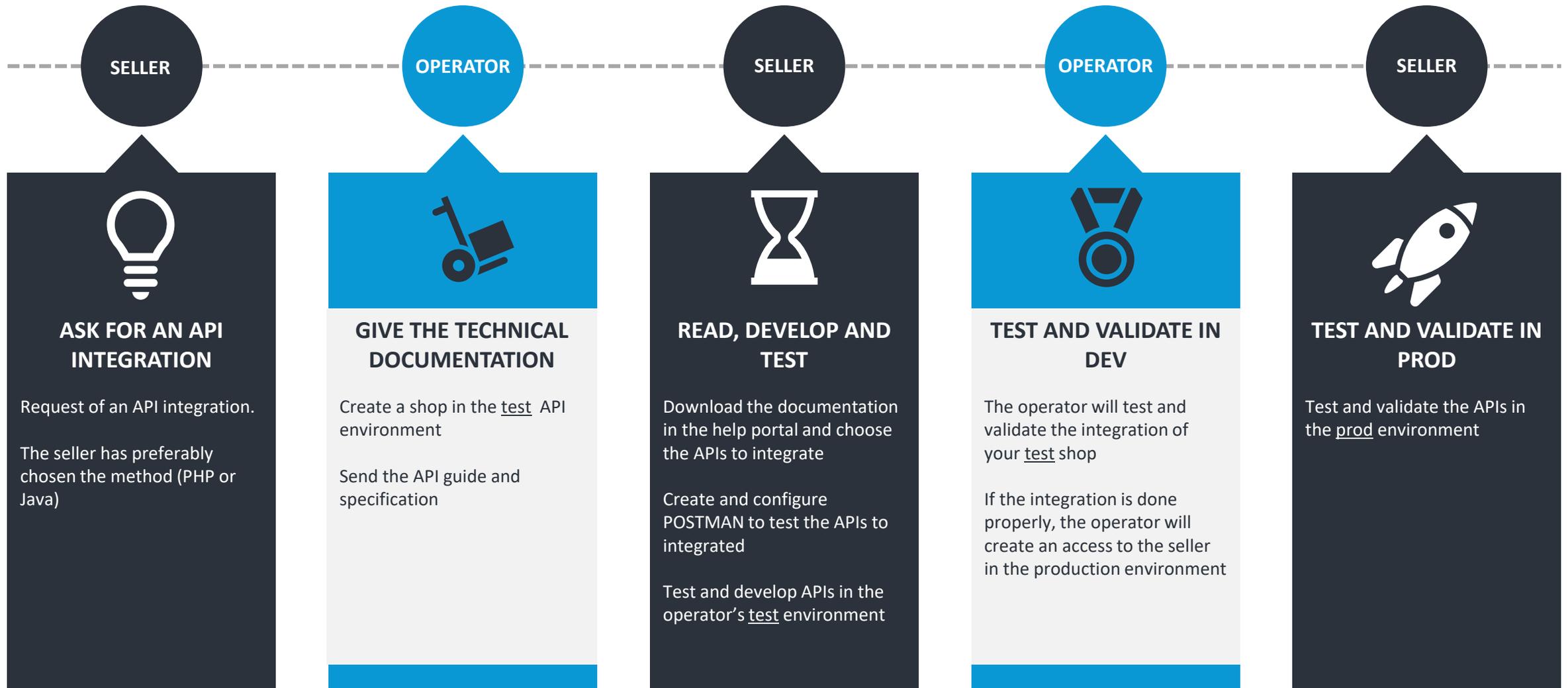
You can find a step by step integration guide in your Mirakl back-office under [Help > Connectors & API integration](#)

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



The screenshot displays the Mirakl back-office interface. At the top, a navigation bar includes 'MIRAKL', 'My Orders', 'My Inventory', 'My Messages', 'My Account', 'Information', and 'Help'. Below this, the 'My Shop' section is visible. A dropdown menu under 'Help' is open, showing options: 'Help Portal', 'Inventory Management', 'Order Management', and 'Connectors & API Integration'. The main content area is titled 'Mirakl Connectors & API integration' and features five icons representing different integration options: 'Seller API' (rocket icon), 'Postman and Mirakl API collections' (store icon), 'PHP SDK for Sellers' (PHP SDK icon), 'Java SDK for Sellers' (Java SDK icon), and 'Magento Seller Connector' (Magento logo icon).

Understand the integration process



— In order to get started: get your API key

OBJECTIVE

The API key is unique for each seller. It gives you access to all the Mirakl Seller APIs. Do not communicate it to anyone.

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 user settings
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.

My user settings

Password Language **API key** Recent sign-in activity

API key

API Key 33eddd90-6edd-4539-a8f2-932cf7e31c35 Copy to clipboard

Generate a new key

Make the difference between « Product » and « Offers »

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. Available quantity

New! iPhone 6 64gb GSM Unlocked Smartphone Space 1
6 Refurbished - Online Only
Model #: A1549 | Web Code: 12490787

4

Authorized Reseller SHOW MENU

Best Buy Marketplace™
\$298.99 7
Save: \$460
Sale Ends: June 10, 2018
Sold and shipped by:
Samphone
★ 2.8 seller rating, 6 review(s)
• Seller Shipping Policy
• Seller Return Policy

2 

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

ONLINE | Delivery to Toronto Change
Most Marketplace items leave the Seller's warehouse within 2 business days. Delivery times vary based on location.
[Add to Wish List](#)

3

Overview Details & Specs

Overview

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

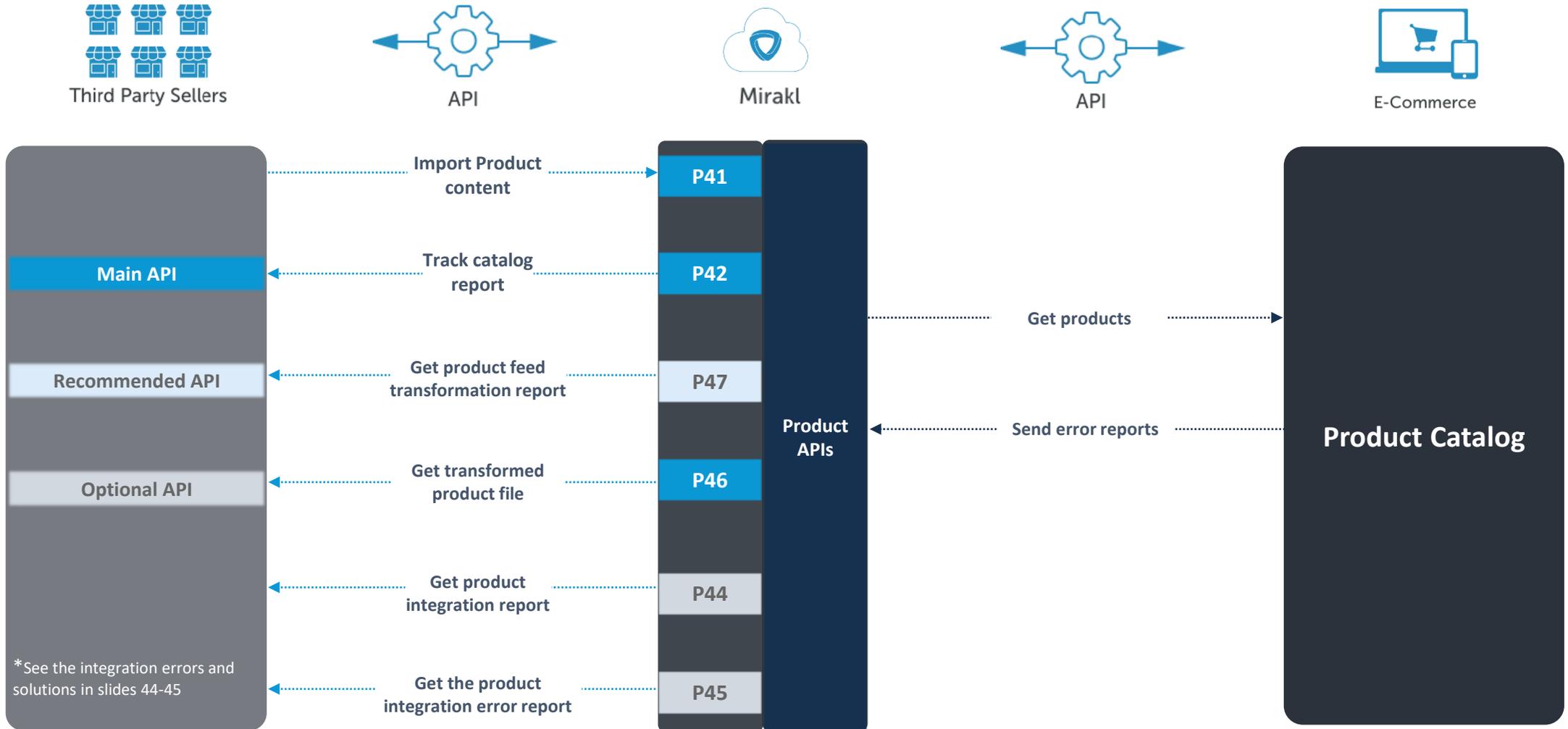
This refurbished phone is a 100% functional Samphone certified product. It bears signs of superficial wear and almost invisible scratches on the screen, the back and the corners of the phone. Submitted to our test program, it has brilliantly passed our 28 checkpoints to bring you complete satisfaction. 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.

5

Physical Features	
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)

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APIs related to products



Internal mapping or Mapping through Mirakl

Mapping through Mirakl Easiest Method

Method explained slide 17-24



Create a CSV file with the all attributes 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 actual 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

If you choose this method go to slide 25



Download the categories, the attributes and the value lists

For that purpose 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 have to create an CSV file (encoded in UTF8) with the category tree, the attributes in columns and the 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.*

The mapping process through Mirakl's Platform

! You must initialize the automation of your catalog by doing the mapping of your product format to the operator one. This action is required once and for all, unless you have new categories within your catalog. Once the mapping is done, you can import all your products directly by API.

Click on: **Shop > Mapping Configuration > Use the configuration Wizard**

The goal is to define the mapping between our categories and your products' categories.

You need to repeat the process for each new category of product that you want to sell and which has not been mapped previously.

7 steps are needed for that mapping process.

The screenshot shows the Mirakl user interface for file import. The top navigation bar includes 'MIRAKL', 'My Orders', 'My Inventory', 'My Messages', 'My Account', and 'Information'. The 'My Inventory' dropdown menu is open, showing 'Offer List', 'Add an Offer', and 'Import From File'. The 'Import From File' option is selected, leading to the 'File import' section. The 'File import' section has three options: 'Import a file', 'Track Offer Imports', and 'Track Product Imports'. The 'Import a file' option is selected, leading to the 'Import products and offers' form. The form has three fields: 'Select the file' with a 'Select a file...' button, 'File content' with a dropdown menu set to 'Offers', and 'Import mode' with a dropdown menu set to 'Normal'. At the bottom of the form is a green 'Import' button. On the right side of the form, there are three sections of links: 'Import products and offers in the operator format' with a link to 'Configure and download an operator Excel file template'; 'Import products in your own format' with links to 'View the operator configuration' and 'Open the Configuration Wizard'; and 'Create or update my offers (stock, price, ...)' with a link to 'Download an Excel template file for offers'. At the bottom right, there is a link to 'Import products and offers by API or FTP' with a link to 'Download a CSV or XML template file'.

The mapping process through Mirakl's Platform

Step 1/7: Import product file

The screenshot shows the Mirakl user interface for product import. At the top, there is a navigation bar with 'MIRAKL' and menu items: 'My Orders', 'My Inventory', 'My Messages', 'My Account', and 'Information'. On the right, there is a 'My Shop' icon. Below the navigation bar, the page title is 'Product flow mapping'. On the left, there is a vertical sidebar with 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'. The first step is highlighted in blue. The main content area is titled 'Import your products file'. It contains a welcome message: 'Welcome to the product import wizard. This wizard helps you to:' followed by a bulleted list: 'Import your product files', 'Set up your configuration', and 'Add your products to the marketplace'. Below this, it says 'Import the file containing the products to add to the Marketplace first.' A yellow warning box contains the text: 'Your file must be either in XLSX format or in CSV format and encoded as UTF-8'. Underneath, there is a 'File to import' label, a 'Select a file...' button, and a 'Send' button with an upload icon.

Upload your product file here and then click on Send



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.

The screenshot displays the 'Product flow mapping' interface in the Mirakl platform. The top navigation bar includes 'MIRAKL' and menu items: 'My Orders', 'My Inventory', 'My Messages', 'My Account', and 'Information'. A 'My Shop' icon is in the top right. The main heading is 'Product flow mapping'. On the left, a vertical sidebar lists seven steps: 1. Import product file, 2. Categorization (highlighted in blue), 3. Category mapping, 4. Attribute mapping, 5. Value mapping, 6. Define rules, and 7. Summary and validation. The central area is titled 'Preview of file Sample-Kehe.xlsx' and contains a table with the following data:

Item_sku	Item_name	variant-id	product_description	brand_name	isbn	mpn	man
9,81E+11	Penne - 8 box		<p>Delicious Penne</p>	BARILLA			BARI
5,73E+11	Ground Black Pepper (P...		<p>Organic black pepp...	DUCROS			DUC
8,38E+11	Premium roasted Coffe...		<p> Starbucks at home...	STARBUCKS			STAR
6,24E+11	Virgin olive oil		<p>Premium virgin oliv...	BERTOLLI			BERT

Below the table, it indicates '4/4 lines'. At the bottom of the screen, there is a 'Categorization' section with a dropdown menu set to 'category' and an optional 'Subcategory separator' field. To the right, a 'Preview of your categories' section shows a tree structure: Root, Coffee, Pasta, oil, and seasoning. A blue dashed box highlights the 'Categorization' section, with an arrow pointing to it from a text box on the left.

At the bottom of the screen, select:
- Category column's name
- Define the type of separator.

The mapping process through Mirakl's Platform

Step 3/7: Category Mapping

Click on: Product data mapping > Category mapping

- By clicking on the “”, you open the categories: the lower level will appear. You must map each leaf level of your categories with the one of the the Operator. 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 do it manually by dragging the categories of your catalog (left) to those of the operator's (right)
- Once a category is mapped, it will become a grey tint. To modify the mapping, click on « Mapping to do » then click on the cross next to the category you want to modify

The screenshot shows the 'Product flow mapping' interface. On the left, a sidebar lists steps 1-7, with '3. Category mapping' selected. Below it, a box labeled '4 Categories to map' shows 4 items to be mapped and 0 mapping OK. The main area is split into 'My categories' and 'Operator categories'. 'My categories' includes Root, Coffee, Pasta, Pepper, and oil. 'Operator categories' includes Grit, Other, Pasta, dry pasta, fresh pasta, Macaroni & Cheese, Noodles, Pasta sauce, Pizza sauce, Quinoa, Rice, Tomato paste, Sauces, Seasonings & Spices, and Snack Foods. A search bar is present above both panels. A 'Mapping to do' button is at the top right of the 'My categories' panel. A blue dashed box highlights the 'Automap Categories' pop-up window, which shows a table of mappings and a 'Confirm' button.

By clicking on the arrows, you'll run the 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 ».

Your Categories	Operator's Categories
<input checked="" type="checkbox"/>	Root > Grocery > Seasonings & Spices > Pepper
<input checked="" type="checkbox"/>	Root > Pepper

Categories validated: 1/1

The above graph shows you how many categories remain un-mapped

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

The mapping process through Mirakl's Platform

Step 4/7: Attributes Mapping

Click on: Product data mapping > Category mapping

- 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 categories of your catalog (left) to those of the operator (right)
- Once an attribute is mapped, you will see your attribute names besides the operator's attribute name, between parentheses.

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 >

51
Attributes to map

■ To be mapped (51)
■ Mapping OK (0)

My attributes

Automap

Operator attributes

Use the search bar to find easily your attributes

Attribute details

- SKU Reference
- Type : Text
- Sample value: PRODUCT_01
- Required attribute

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

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

Automap Attributes

Category	Your Attributes	Operator's Attributes
Root	<input checked="" type="checkbox"/> Your Attributes	
	<input checked="" type="checkbox"/> color	Root > Color
	<input checked="" type="checkbox"/> isbn	Root > ISBN
	<input checked="" type="checkbox"/> manufacturer	Root > Manufacturer
	<input checked="" type="checkbox"/> mpn	Root > MPN
	<input checked="" type="checkbox"/> upc	Root > UPC

The mapping process through Mirakl's Platform

Step 5/7: Value Mapping

Click on: Product data mapping > Value mapping

In the same way that for the attributes, values with identical spelling can be mapped automatically by clicking on the Automap icon. For others you will have to do it manual  by dragging values of your attributes (left) in those of the operator (right)

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 values Mapping to do

brand_name (brand_name) 

-  BARILLA
-  BERTOLLI
-  DUCROS
-  STARBUCKS

Operator values (Brand name)

-  ZZZQUIL
-  ZYWIEC
-  ZYTANIA
-  ZYRTEC
-  ZYR
-  ZYMOX
-  ZYLISS HOUSEWARES



*The list of values 'Brand' is predefined and it is possible that one of your brands is not registered.
In that case, please email to marketplace@OPERATOR.
Specify in the subject line «New brands to create » and in the email body, a list of your missing trademarks*

The mapping process through Mirakl's Platform

Step 6/7: Define rules

Click on: **Product data mapping > define rules**

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

Example: Automatically add a capital letter at the beginning of each sentence for the attribute "Introduction / Long description": *Transformations > Capital at the beginning of every sentence.*

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 (highlighted), 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 several attributes, including 'Item_name (Product Title)' which is selected. A modal window titled 'Add a transformation' is open, showing a list of transformation types: 'Nothing selected' (checked), 'Regular expression', 'Constant', 'Remove HTML', 'lower case', 'UPPERCASE', and 'Capital at the beginning of every sentence'. A blue arrow points from the 'Add' button in the 'Transformations' section to this modal. Another modal window titled 'Add a validation' is also open, showing a 'Validation type' dropdown menu with options: 'Nothing selected' (checked), 'Minimum length', 'Maximum length', 'Exact length', and 'Regular expression'. The 'Details and Rules' panel shows the attribute is mapped to 'Product Title' with a description and a required qualifier. Below the 'Transformations' and 'Validations' sections are 'Add' buttons.

The mapping process through Mirakl's Platform

Step 7/7: Summary and validation

Click on: **Product data mapping > Summary and validation**

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

If some categories, attributes or values are rejected, you will have to start that phase of the mapping process again. To do so, simply click on previous step

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**

Summary	Categories	Attributes
4 Products eligible for import Available (4) Rejected (0)	0 Products rejected because of categories Accepted (4) Rejected (0)	0 Products rejected because of attributes Accepted (4) Rejected (0)

← Previous step **Import my products in the marketplace**

You will be able to see if any attributes, values or categories have been incorrectly mapped.

Once you have completed the mapping process, click here to import your file into the marketplace.

Update or fix your mapping (1/2)

Update your mapping configuration

If you want to make any modification on your mapping, you would have to click on:

My account > Mapping Configuration

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

My Configuration Mapping to do Attributes

Root

Mapping to do	Attributes
Category	Category
Color	Color
Description	Description
Image 1	Image 1
Image 2	Image 2
Image 3	Image 3
Image 4	Image 4
Image 5	Image 5
Image 6	Image 6
Title	Product title
UPC	UPC
Varlant Group Code	Varlant Group Code

Details and Rules

Mapped with attribute: Category

Code: category
Type: Text
Attribute Qualifier: Required

Transformations

Add

Validations

Add

Add **Edit** **Delete** **Automap** **Details and Rules** **Edit value mapping**

! As soon as you will have new products to push on the Marketplace part of a new Category you will need to go through the mapping process again (slide #17 - #25)

Update or fix your mapping (2/2)

Example of Value List edit

My account > Mapping Configuration

MIRAKL My Orders My Quotes My Inventory My Promotions My Messages My Account Information Help My Shop

My Product Data Settings

My Statements
Transaction History
Mapping Configuration
User Management
Settings

Manage my value lists Use the configuration wizard Operator configuration

Key

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

To use your own product configuration during product imports, map the attribute which defines the category.

Value Lists

Add a value to the list Color

Code * Yellow
Label Yellow

Cancel Confirm

Value list code *
Color

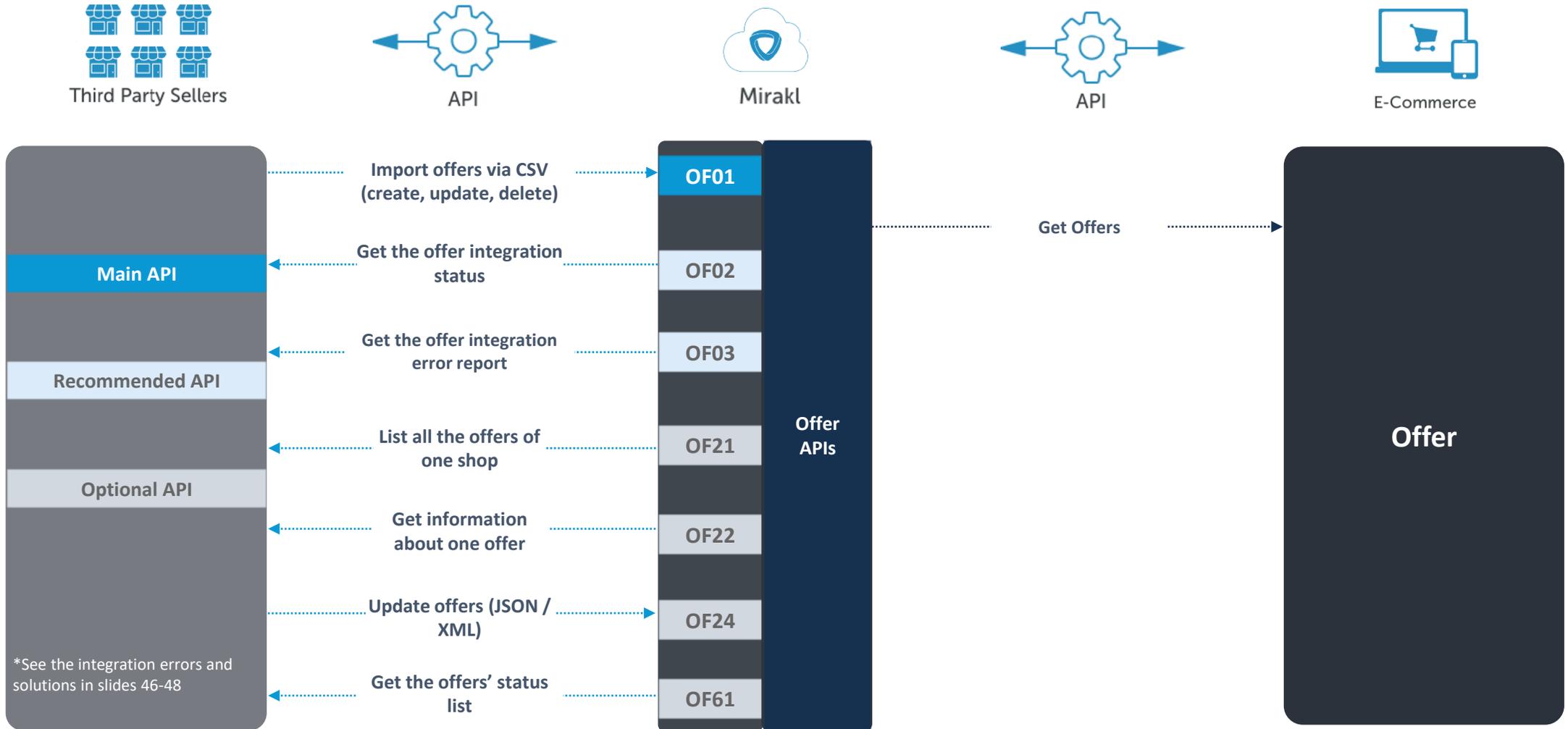
Number of values: 2

Code	Label	
blue	Blue	X
red	Red	X

Add a value Import a file

Number of values: 2

APIs related to offers



! The format of the offer file is defined by the operator. See the fields and their status on the next slide. You can download the offer file from your backoffice: [My inventory > Download an Excel file template for offers.](#)

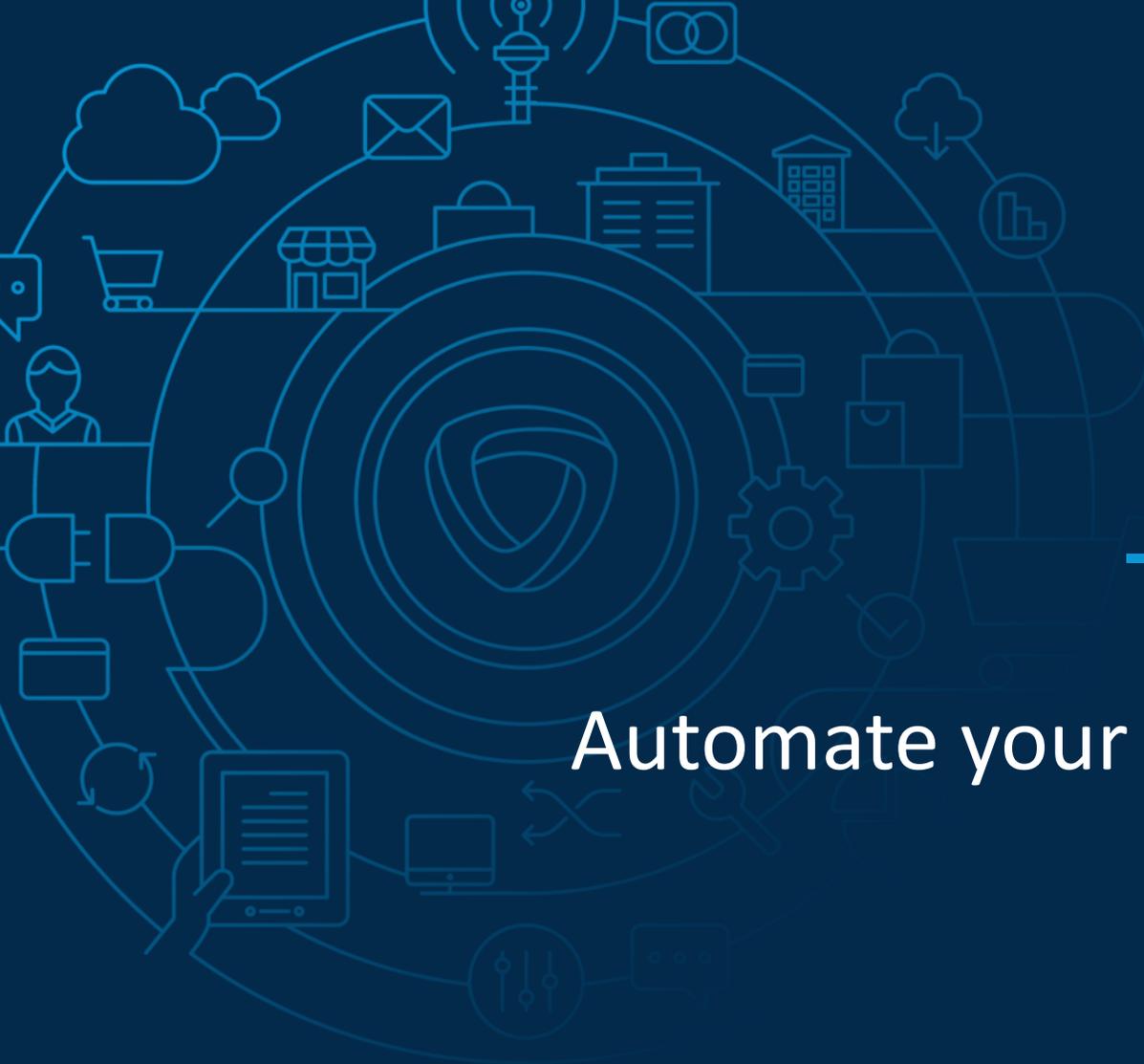
Offer file upload: Mandatory fields

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

Field	Description	Status	Accepted Value	Example
sku	The offer's unique identifier in the shop	Required	Character string limited to 40 characters. The character '/' is forbidden	OFFER_SKU_1
product-id	Unique product identifier for a given product-id-type	Required	Character string limited to 40 characters	98987DC
product-id-type	Type of product-id identifier	Required	Value: SKU (product SKU) ,ISBN, UPC, EAN, SHOP_SKU,...	SKU
price	Original Recommended Retail Price (RRP) in GBP including taxes (VAT).	Required	Decimal number; a period is used to separate cents	45.50
state	The state code of the offer. This refers to whether the product is New or Vintage.	Required	The accepted values are defined in the back office view	See available values in the BO
quantity	The quantity available in stock	Required	Integer greater than or equal to 0	100
product-tax-code	The tax code associated to your products	Required (depending on your tax config)	Text from the Avalara tax code list	PF050900

Offer file upload: optional fields

Field	Description	Status	Accepted Value	Example
discount-price	Discount price in the currency	Optional	Decimal number; a period is used to separate cents	30.15 (lower than "price" field)
min-quantity-alert	The minimum quantity in stock threshold triggering an alert. An alert is not triggered if blank	Optional	Integer greater than or equal to 0	10
description	Offer description	Optional	The offer description is limited to 2000 characters	New product, original packaging
internal-description	The description of the offer as shown in the back office view	Optional	The offer's internal description is limited to 2000 characters	
available-start-date	The first day the offer becomes available The offer has no start date if blank	Optional	yyyy-mm-dd	2012-11-27
available-end-date	The last day the offer is available The offer has no end date if blank	Optional	yyyy-mm-dd	2013-03-16
logistic-class	This will overwrite the default logistics class defined for the product category assigned to the offer.	Optional	Technical code of the logistic class. BO > Informaiton > Shipping charges > value in ()	Ex: SP (small package)
favorite-rank	Define offer as favorite and set its rank value. This affects its positioning in shop window The offer will not be part of the favorite if blank	Optional	Integer other than 0	1
discount-start-date	The first day the offer becomes available The discount starts immediately if the discount price is filled and the start date is blank.	Optional	yyyy-mm-dd	2012-11-27
discount-end-date	The last day the offer is available. The discount has no end date if blank	Optional	yyyy-mm-dd	2012-12-27
discount-ranges	The discount quantity thresholds and prices to define discounts with ranges	Optional	quantityThreshold1 price1, quantityThreshold2 price2	2 9.00, 10 8.50
Leadtime-to-ship	Time to prepare an order	Optional	Number of days	5
update-delete	Used only in Normal import mode Update mode is used if blank	Optional	"", "update", "delete"	update

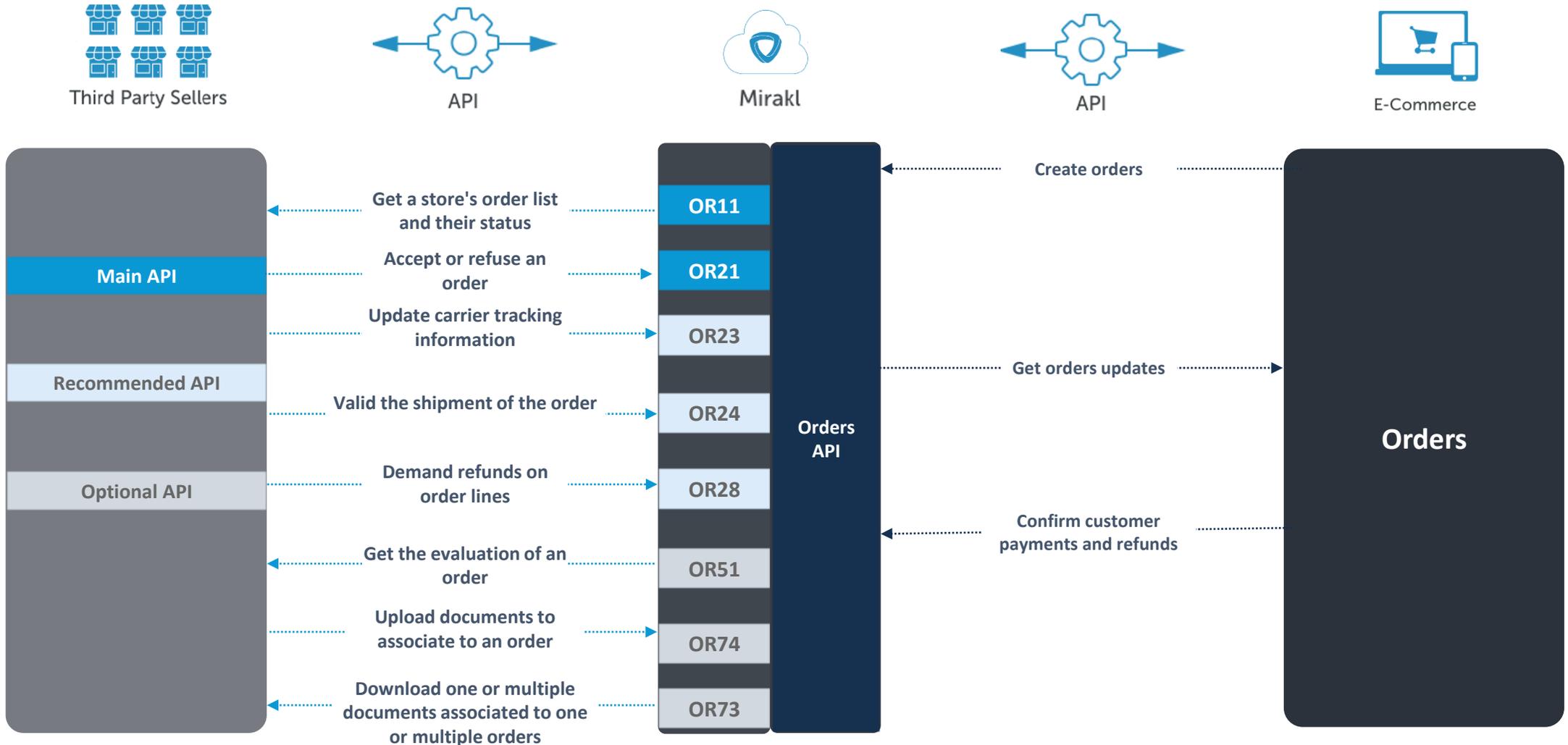


Automate your order management

The Order cycle on a marketplace

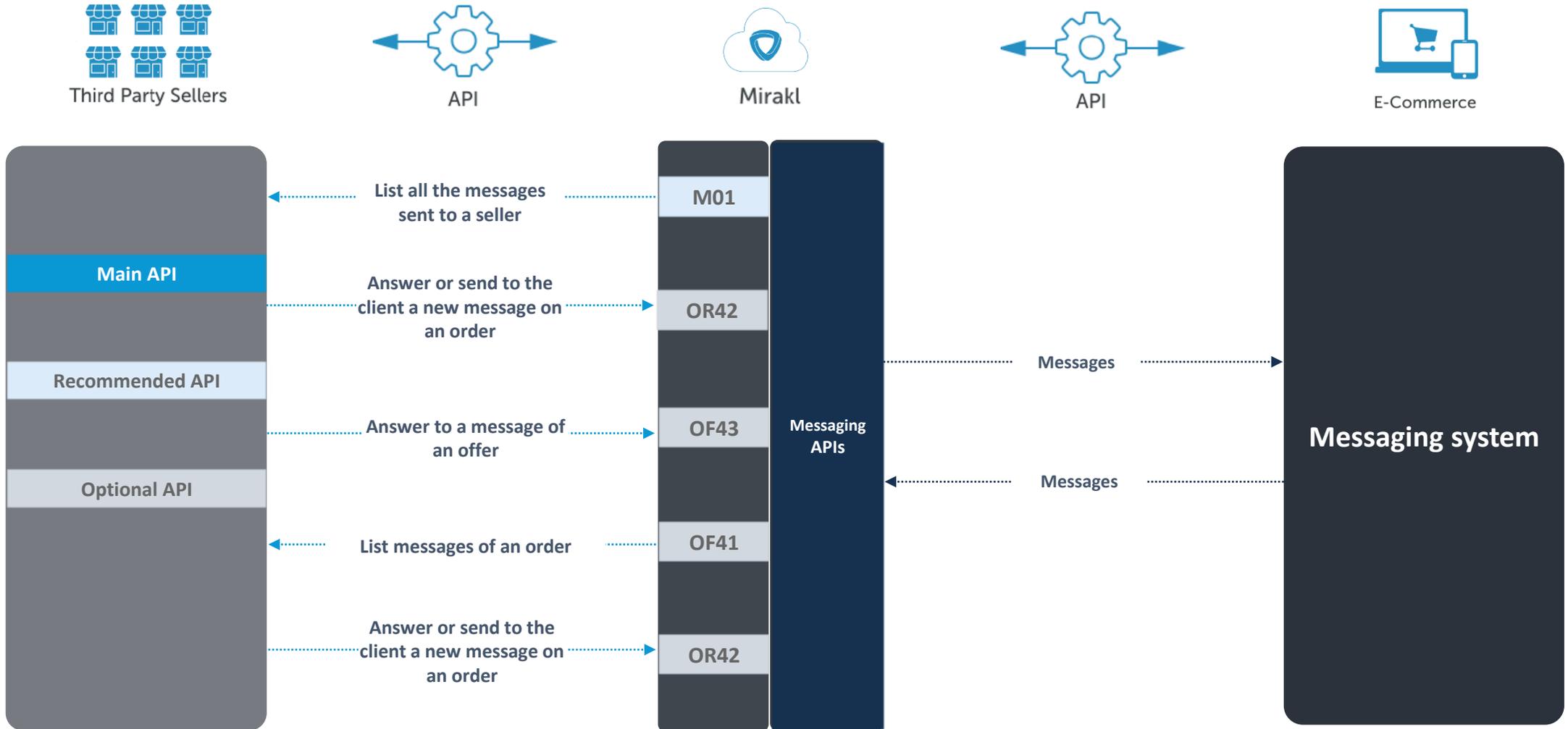


APIs related to orders



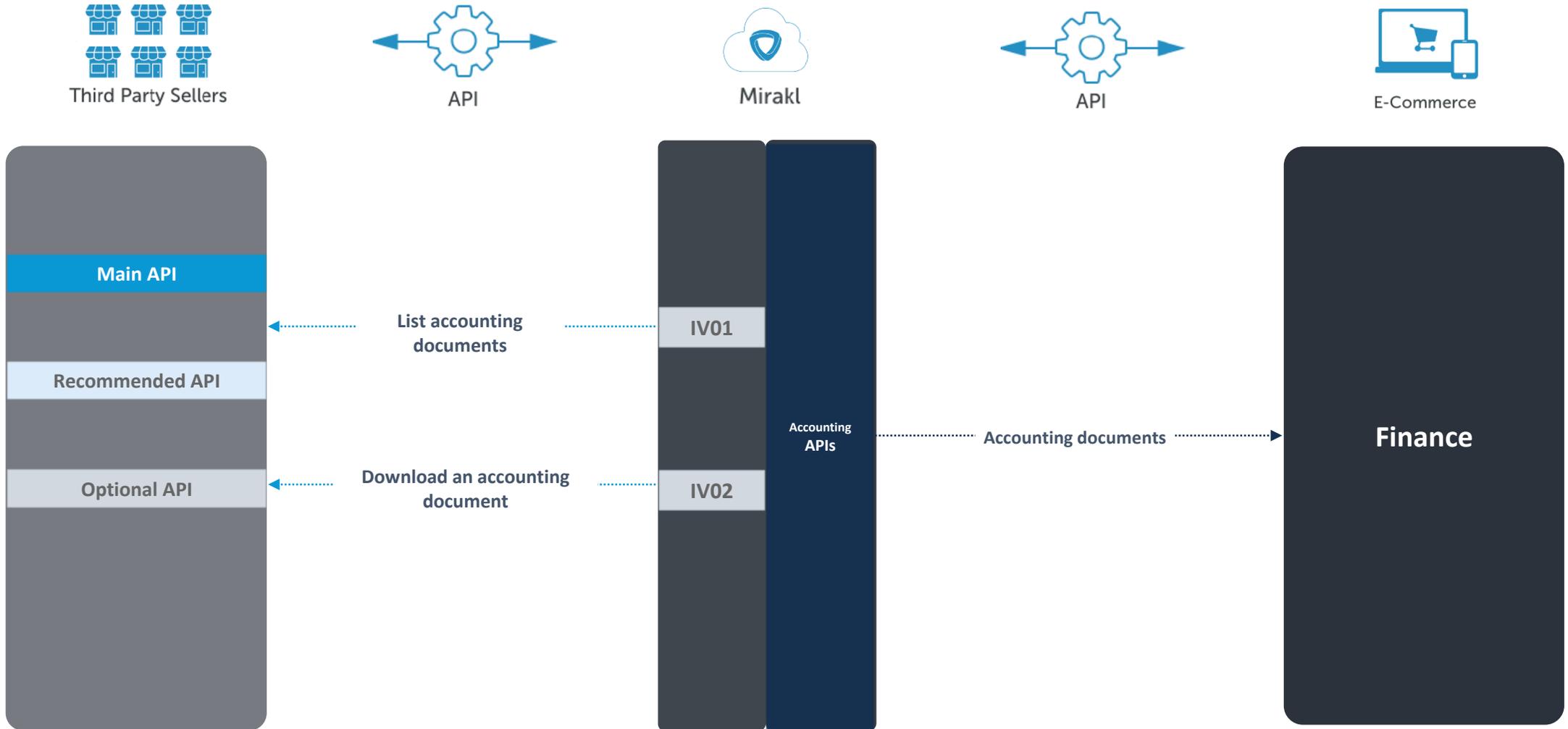
! If you do not want to automate your order management, you will still be able to track and process your orders from your Mirakl seller back-office.

APIs related to customer relationship management



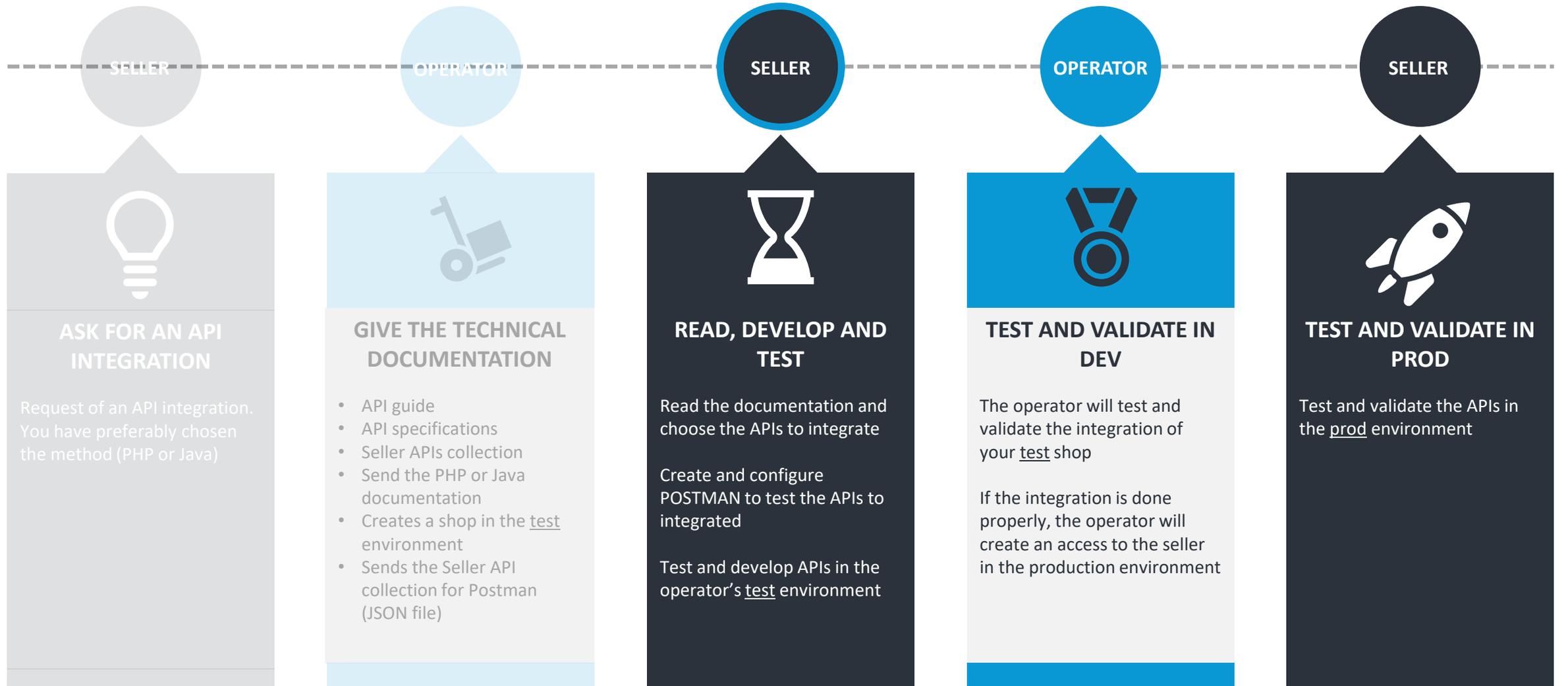
! Messages can be sent to the operator, to the customer or to both. If you do not want to automate your order management, you will still be able to track and process your orders from your Mirakl seller back-office

APIs related to accounting



You can retrieve all your invoices, credit notes and transaction history in your Mirakl seller backoffice.

Testing phase



About Postman

About Postman

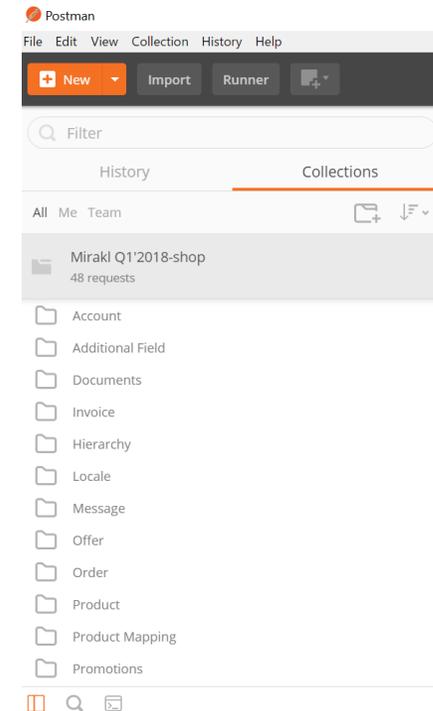
Postman is a third-party software that has not been developed by Mirakl. It allows you to make easy API calls.

Thanks to Mirakl API collection that can be imported in **Postman**, you will be able to call Mirakl APIs. Ask your operator for the full API collection (under the format JSON).

Use Google Chrome for Postman.

Install Postman and import the Mirakl API library:

1. On Chrome, click on this [link](#)
2. Download Postman and follow the installation instructions
3. Start Postman
4. In the Postman toolbar, click on « **Import** ». The import window appears.
5. Click on « **Choose Files** » to import the Mirakl API collection (JSON file). The Mirakl collection appears in the Collections list:



Configure Postman

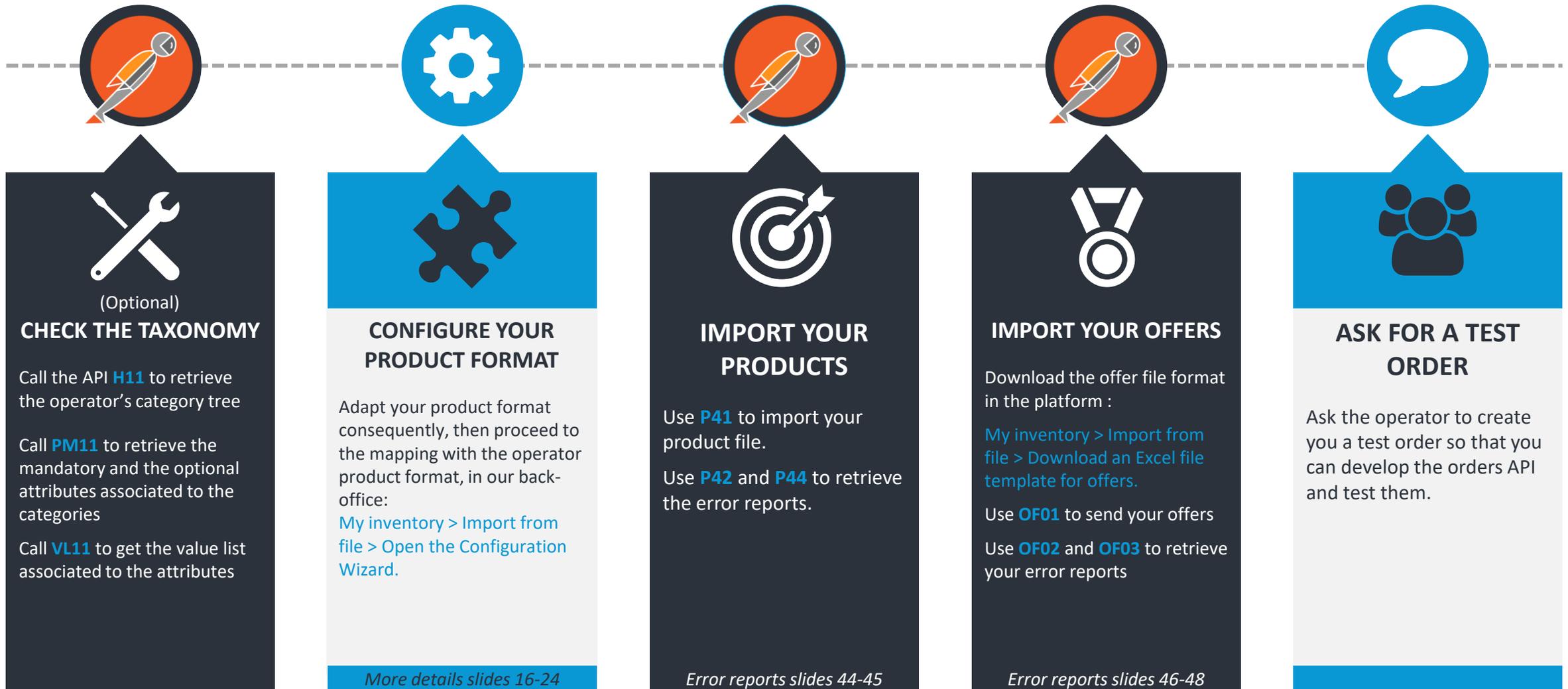
You must use Postman on the operator's test environment.

1. In Postman, click on  and select **Manage Environments**. A window appears.
2. Click on **Add** and enter a name.
3. Click on the field "**key**" and enter:
 1. the SHOP_KEY (that you will find in your back-office: [My user settings > API Key](#))
 2. the URL (the URL of the operator test environment (e.g. <https://dev-new.mirakl.net>))
4. For each API key, enter the value in the "**value**" field.
5. Click on **Add** and close the window "Manage Environments".
6. Click on the drop-down list **No Environments** and select the environment that you just set up.

You can now start calling Mirakl APIs.



Example: 10 simple steps to test your APIs



Not all the Shop APIs are described in this example. See the technical documentation for the available APIs.
Reminder: You can automate a part or all your activity on the marketplace. You can choose the APIs you want to integrate.

Example: 10 simple steps to test your APIs



Error report on products (1/2)

In order to download the Product Import Error report, call [P45](#).

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

Error report on products (2/2)

Code	Error message	Cause / Solution
1000	"Attribute is required"	A required attribute has no defined value. Solution: In the imported product file, enter a value for this attribute.
2001/3001	"The attribute {a} must be superior to {x}"	The value is lower than the configured value. Solution: 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. Solution: 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. Solution: 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. Solution: 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. Solution: 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. Solution: In the imported product file, enter a value with no more than {x} decimals.

Error report on offers (1/3)

In order 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. Solution: 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. Solution: You can create the new offer with another ID to avoid waiting. For more information, refer to: Offer Stock Keeping Unit .
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. Solution: <ul style="list-style-type: none">- check with the operator to make sure the type of the identifier is correct (it can be EAN, ISBN, SKU, SHOP_SKU...) or if the product has been correctly created by the operator- you can use API P31 to check if the product exists with the couple "product-id product-id-type"
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. Solution: 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">- using the "UPDATE" mode to import the offers and the offer SKU does not match an offer existing in Mirakl- trying to create an offer but the "product-id" and/or "product-id-type" headers are not entered correctly or do not exist <p>Solution</p> <ul style="list-style-type: none">- Check if the SKU is correct or use the "NORMAL" mode to add the offer.- Refer to: Importing offers from the back office or using API.
The state of the product is unknown	<p>The product state you entered does not exist.</p> <p>Solution:</p> <ul style="list-style-type: none">- You must enter the state code, not the label. Check if you properly filled the state code and not the label.- Call API OF61 to get the list of all states allowed by the operator.
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>Solution: 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>Solution: 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>Solution: 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>Solution: Check if:</p> <ul style="list-style-type: none">- the date format is "yyyy-mm-dd"- the start date is prior or identical to the end date
The discount date range is incorrect	<p>The correct format of each date is "yyyy-mm-dd".</p> <p>Solution: Check if:</p> <ul style="list-style-type: none">- the date format is "yyyy-mm-dd"- the start date is prior or identical to the end date

Error report on offers (3/3)

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



Thank you