

# Web service reference

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## Web service reference

### Using the API

All methods are to be called through the `/api/` gateway. For instance, `http://www.mystore.com/api/carriers`

### Available HTTP methods

Most methods can be accessed in a REST manner, with the 5 main HTTP request methods: GET, POST, PUT, DELETE, HEAD.

The only exceptions are:

- `product_suppliers`: only GET and HEAD.
- `search`: only GET and HEAD.
- `stock_availables`: only GET, POST, and HEAD.
- `stock_movements`: only GET and HEAD.
- `stocks`: only GET and HEAD.
- `supply_order_details`: only GET and HEAD.
- `supply_order_histories`: only GET and HEAD.
- `supply_order_receipt_histories`: only GET and HEAD.
- `supply_order_states`: only GET and HEAD.
- `supply_orders`: only GET and HEAD.
- `warehouse_product_locations`: only GET and HEAD.
- `warehouses`: only GET, POST, PUT, and HEAD.

All methods have two optional types, which are simply to be added at the end of the URL:

- `?blank`: returns a blank XML tree of the chosen object.
- `?synopsis`: returns a blank XML tree of the chosen object, with the format that is expected for each value (see below) and specific indicators (ie, if the node is required, and its maximum size in number of characters).

### Available resources

This list is current as of v1.5.4.1 of PrestaShop.

Method	Description
addresses	The Customer, Manufacturer and Customer addresses
carriers	The Carriers
cart_rules	Cart rules management
carts	Customer's carts

categories	The product categories
combinations	The product combination
configurations	Shop configuration
contacts	Shop contacts
content_management_system	Content management system
countries	The countries
currencies	The currencies
customer_messages	Customer services messages
customer_threads	Customer services threads
customers	The e-shop's customers
deliveries	Product delivery
employees	The Employees
groups	The customer's groups
guests	The guests
image_types	The image types
images	The images
images/general/header	The shop's logo in the header
images/general/mail	The shop's logo in the e-mails
images/general/invoice	The shop's logo in the invoice
images/general/store_icon	The shop's logo as a favicon
images/products	The products images.
images/categories	The categories images
images/manufacturers	The manufacturers images.
images/suppliers	The suppliers images.
images/stores	The stores images.
languages	Shop languages
manufacturers	The product manufacturers
order_carriers	Details of an order
order_details	Details of an order
order_discounts	Discounts of an order
order_histories	The Order histories
order_invoices	The Order invoices
order_payments	The Order payments

order_states	The Order states
orders	The Customers orders
price_ranges	Price range
product_feature_values	The product feature values
product_features	The product features
product_option_values	The product options value
product_options	The product options
product_suppliers	Product Suppliers
products	The products
search	Search
shop_groups	Shop groups from multi-shop feature
shops	Shops from multi-shop feature
specific_price_rules	Specific price management
specific_prices	Specific price management
states	The available states of countries
stock_availables	Available quantities
stock_movement_reasons	The stock movement reason
stock_movements	Stock movements management
stocks	Stocks
stores	The stores
suppliers	The product suppliers
supply_order_details	Supply Order Details
supply_order_histories	Supply Order Histories
supply_order_receipt_histories	Supply Order Receipt Histories
supply_order_states	Supply Order States
supply_orders	Supply Orders
tags	The Products tags
tax_rule_groups	Tax rule groups
tax_rules	Tax rules entity
taxes	The tax rate
translated_configurations	Shop configuration
warehouse_product_locations	Location of products in warehouses
warehouses	Warehouses
weight_ranges	Weight ranges
zones	The Countries zones

## Value formats

When displaying a data schema in synopsis mode, the API gives some useful indication of the expected data type.

For instance:

```
<?xml version="1.0" encoding="UTF-8"?>
<prestashop xmlns:xlink="http://www.w3.org/1999/xlink">
  <customer>
    <id_default_group></id_default_group>
    <id_lang format="isUnsignedId"></id_lang>
    <newsletter_date_add></newsletter_date_add>
    <ip_registration_newsletter></ip_registration_newsletter>
    <last_passwd_gen></last_passwd_gen>
    <secure_key format="isMd5"></secure_key>
    <deleted format="isBool"></deleted>
    <passwd required="true" maxSize="32" format="isPasswd"></passwd>
    <lastname required="true" maxSize="32" format="isName"></lastname>
    <firstname required="true" maxSize="32" format="isName"></firstname>
    <email required="true" maxSize="128" format="isEmail"></email>
    ...
  </customer>
</prestashop>
```

Here are the descriptions of the expected value types.

### Generic value types

Format	Description	Expected value, in regexp form
isBool	A boolean value (true or false).	n/a
isFloat	A floating-point value (between $-3.4 \times 10^{38}$ and $+3.4 \times 10^{38}$ ).	n/a
isInt	An integral value (between -2,147,483,648 and 2,147,483,647).	n/a
isNullOrUnsignedId	An integral and unsigned value (between 0 and 4294967296), or a NULL value.	n/a
isSerializedArray	PHP serialized data.	<code>/^a:[0-9]+:{".*"}\$/s</code>
isString	A string of characters.	n/a
isUnsignedId	An integral and unsigned value (between 0 and 4294967296).	n/a

### Specific value types

Format	Description	Expected value, in regexp form
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isBirthDate	A valid date, in YYYY-MM-DD format.	<pre>/^([0-9]{4})-((0?[1-9]) (1[0-2]))-((0?[1-9]) ([1-2][0-9]) (3[01]))([0-9]{2}:[0-9]{2}:[0-9]{2})?\$/</pre>
isCleanHtml	Must not contain invalid HTML tags, nor XSS.	
isColor	A valid HTML/CSS color, in #xxxxxx format or text format.	<pre>/^(#[0-9a-fA-F]{6} [a-zA-Z0-9-]*)\$/</pre>
isEmail	A valid e-mail address.	<pre>/^[a-z0-9!#\$%&amp;'*\+\/=?^`{} ~_-]+[.a-z0-9!#\$%&amp;'*\+\/=?^`{} ~_-]*@[a-z0-9]+[.a-z0-9-]*\.[a-z0-9]+\$/ui</pre>
isImageSize	A valid image size, between 0 and 9999.	<pre>/^[0-9]{1,4}\$/</pre>
isLanguageCode	A valid language code, in XX or XX-XX format.	<pre>/^[a-zA-Z]{2}(-[a-zA-Z]{2})?\$/</pre>
isLanguageIsoCode	A valid ISO language code, in XX or XXX format.	<pre>/^[a-zA-Z]{2,3}\$/</pre>
isLinkRewrite	A valid link rewrite.	<pre>/^[_a-zA-Z0-9-]+\$/</pre>
isMd5	A valid MD5 string: 32 characters, mixing lowercase, uppercase and numerals.	<pre>/^[a-f0-9A-F]{32}\$/</pre>
isNumericalIsoCode	A valid ISO code, in 00 or 000 format.	<pre>/^[0-9]{2,3}\$/</pre>
isPassword	A valid password, in. between 5 and 32 characters long.	<pre>/^[.a-zA-Z_0-9-!@#\$\$%^&amp;*()]{5,32}\$/</pre>
isPasswordAdmin	A valid password, between 8 and 32 characters long.	<pre>/^[.a-zA-Z_0-9-!@#\$\$%^&amp;*()]{8,32}\$/</pre>
isPhpDateFormat	A valid PHP date – in fact, a string without '<' nor '>'.	<pre>/^[^&lt;&gt;]+\$/</pre>
isPriceDisplayMethod	A valid price display method, meaning the value be equals to constants PS_TAX_EXC or PS_TAX_INC.	n/a
isReference	A valid product reference.	<pre>/^[^&lt;&gt;:={}]*/u</pre>

isUrl	A valid URL.	<code>/^[~:#!%&amp;_=\(\)\.\/\? \+\-\@\_\/a-zA-Z0-9]+\\$/</code>
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## Names

Format	Description	Expected value, in regexp form
isCatalogName	A valid product or category name.	<code>/^[^&lt;&gt; ;=#{}]*\$/u</code>
isCarrierName	A valid carrier name.	<code>/^[^&lt;&gt; ;=#{}]*\$/u</code>
isConfigName	A valid configuration key.	<code>/^[a-zA-Z_0-9-]+\\$/</code>
isGenericName	A valid standard name.	<code>/^[^&lt;&gt; ;=#{}]*\$/u</code>
isImageTypeName	A valid image type.	<code>/^[a-zA-Z0-9_ -]+\\$/</code>
isName	A valid name.	<code>/^[^0-9!&lt;&gt;, ;?=@#{}_-%:]*\$/u</code>
isTplName	A valid template name.	<code>/^[a-zA-Z0-9_ -]+\\$/</code>

## Locations

Format	Description	Expected value, in regexp form
isAddress	A valid postal address.	<code>/^[^!&lt;&gt;?=@{}_-%]*\$/u</code>
isCityName	A valid city name.	<code>/^[^!&lt;&gt; ;?=@#{}_-%]*\$/u</code>
isCoordinate	A valid latitude-longitude coordinates, in 00000.0000 form.	<code>/^\-?[0-9]{1,8}\.[0-9]{1,8}\$/s</code>
isMessage	A valid message.	<code>/[&lt;&gt;{}]/i</code>
isPhoneNumber	A valid phone number.	<code>/^[+0-9. ()-]*\$/</code>

isPostCode	A valid postal code.	<code> /^[a-zA-Z 0-9-]+\$/ </code>
isStateIsoCode	A valid state ISO code.	<code> /^[a-zA-Z0-9]{2,3}((-)[a-zA-Z0-9]{1,3})?\$/ </code>
isZipCodeFormat	A valid zipcode format.	<code> /^[NLcnlc -]+\$/ </code>

## Products

Format	Description	Expected value, in regexp form
isAbsoluteUrl	A valid absolute URL.	<code> /^https?:\/\/[ :#%&amp;_=\(\)\.\? \+\-@\ /a-zA-Z0-9]+\$/ </code>
isDniLite	A valid DNI ( <i>Documento Nacional de Identidad</i> ) identifier. Specific to Spanish shops.	<code> /^[0-9A-Za-z-.]{1,16}\$/U </code>
isEan13	A valid barcode (EAN13).	<code> /^[0-9]{0,13}\$/ </code>
isLinkRewrite	A valid friendly URL.	<code> /^[_a-zA-Z0-9-]+\$/ </code>
isPrice	A valid price display method (either PS_TAX_EXC or PS_TAX_INC).	n/a
isUpc	A valid barcode (UPC).	<code> /^[0-9]{0,12}\$/ </code>