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Associates Product information API Reference

v. 2.1

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Versions

Date	Version	Comments	Authors
2022-10-03	1.0	First version of the API	Dimitrios Stratigos
2022-10-19	1.1	Updated version of the Products request. Added daily time restrictions for Products requests section.	Dimitrios Stratigos
2022-11-02	1.2	Added endpoints that return results in XML format. Text edits and improvements.	Dimitrios Stratigos
2022-11-07	1.3	Text edits and improvements.	Dimitrios Stratigos
2023-01-13	1.4	Modification of /files/xml endpoint.	Dimitrios Stratigos
2023-02-07	1.5	Added “contents” and “language” fields to “product.files” response model, in json format “/products” response	Dimitrios Stratigos
2023-05-30	1.6	Added “company” field to “product” response model, in all types of responses	Dimitrios Stratigos
2023-06-09	1.7	Added “recycle taxes” info to “product” response model, in all types of responses	Dimitrios Stratigos
2023-11-01	1.8	Added “vatPercent” field to “product” response model, in all types of responses	Dimitrios Stratigos
2024-05-27	1.9	Added “cataloguePrice” field to responses with simple XML content	Dimitrios Stratigos
2024-06-26	2.0	Added “replacers” field to “product” response model, in all types of responses	Dimitrios Stratigos
2024-07-03	2.1	Corrected the response contents of field “replacers” of “product” response model	Dimitrios Stratigos

Introduction

This document serves as a reference for Associates who wish to make calls to the 3PIMs API for retrieving basic and/or extended information on our company's products.

Base URLs

- Staging: N/A
- Production: <https://3pims.papadopoulos.com.gr/api/associates>

Endpoints:

- **/products**
Used to query and retrieve information on products
- **/stock**
To query and retrieve the current product availability levels
- **/files/{fileId}**
To download a product's file
- **/xml**
Used to query and retrieve information on products. Returns results in XML format
- **/files/xml**
Used to query and retrieve information on products. Returns results as an XML file

Overview/Description

The Product Information API will be used by interested Associates to receive information about our company's products and display them on their web portals (e-shops).

The API will require authentication on each request by username/password credentials. The credentials that will be used to make the requests will be supplied to the Associate by us. Along with the credentials, the requester's IP address will be checked against a list that has been provided to us beforehand by the Associate.

Moreover, the requests can only be made daily within a predefined time window, that will be announced to the Associate along with their credentials. This policy has been set in order to avoid possible overloading of our servers due to the large number of simultaneous requests and connections and to keep our response times as short as possible.

Product information

The Updated Product Information endpoint will allow the Associate to request information on products, that they are being supplied by our company as per their contract specifics.

The Request does not take any query string parameters.

The response set will be ordered by sku (internal product code).

Request/Response details and examples to be found in the relevant section in the following pages.

Product availability levels

This endpoint will allow the Associate to request the current product availability levels, on a specific product.

The Request takes the sku as a query string parameter.

Request/Response details and examples to be found in the relevant section in the following pages.

Product files download

This endpoint will allow the Associate to download a product's file.

The Request takes the file id as the last fragment of the url.

Request/Response details and examples to be found in the relevant section in the following pages.

Product information – XML response

This endpoint has the same purpose as “**Product information**” above and differs only in its response which is in XML format. The XML response format is predefined for the Associate, per their preference, and may be either complex (nested tags) or simple (non nested tags).

The **complex XML** result is structured like the JSON result for “**Product information**” endpoint, therefore **it is omitted** from the current documentation.

The **simple XML** result **does not include all the fields** included in the complex version, due to format limitations.

The Request takes the username and password as query string parameters.

Request/Response details and examples to be found in the relevant section in the following pages.

Product information – XML file response

This endpoint has the same purpose as “**Product information – XML response**” above and differs only in it’s response which is an XML file.

The structure of the file contents follows the logic of the equivalent XML response endpoint.

The Request does not take any query string parameters.

Request/Response details and examples to be found in the relevant section in the following pages.

Endpoints

Product information

Request Path	Request Type	Description
/products	POST	Retrieves a list of products with their specific information.

Request JSON Payload

- ? indicates nullable data type

Property	Type	Required	Description/Comments
email	string	Yes	The Associate's email address that has been supplied to them as part of the credentials (serves as the <i>username</i>).
password	int	Yes	The Associate's <i>password</i> that has been supplied to them as part of the credentials

Response Json

Property	Type	Description
company	string	The product's company
sku	string	The product's stock keeping unit (internal code)
factoryCode	string	The product's factory code
barcode	string	The product's barcode
name	string	The products name (label description)
manufacturer	string	The product's manufacturer name
brand	string	The product's brand name
model	string	The product's model name
category	string	Product classification - Commercial category name (internal classification tree)
webCategory	string	Product classification - Web category name
sort	string	Product classification - Sort name
group	string	Product classification - Group name
subgroup1	string	Product classification - Subgroup 1 name

subgroup2	string	Product classification - Subgroup 2 name
dimensions	object	A dimensions information object
dimensions.height	double	The product's height
dimensions.length	double	The product's length
dimensions.width	double	The product's width
dimensions.volume	double	The product's volume
dimensions.weight	double	The product's net weight
dimensions.grossWeight	double	The product's gross weight
prices	object	A prices information object
prices.bulk	string	The product's bulk price
prices.retail	string	The product's recommended retail price
prices.catalogue	string	The product's special offer price. <i>If this field has value, then it supersedes the retail price.</i>
prices.currency	string	The price reference currency
moq	int	The minimum order quantity for the product
salesUnits	string	The units in which we sell
salesPieces	int	The number of pieces (or minimum quantity unit) each sales unit contains
vatPercent	float	The VAT percent of the product
recycleTaxes	object	The recycle taxes that are possibly applied to a product. The currency is the same as the one in prices.currency field.
recycleTaxes.product	float	The product recycle tax
recycleTaxes.battery	float	The battery recycle tax
recycleTaxes.oil	float	The oil recycle tax
replacers	object	The product replacements factory codes if any, such as which product replaces the current or/and which is replaced by it
replacers.replacedBy	string	The factory code of the product the current one is being replaced by
replacers.replaces	string	The factory code of the product the current one replaces
initialAvailability	object	Shows the availability level at the time of the internal update, usually very early in the morning, definitely set before the Associate's daily request time window. <i>This is not a real time value and should not be used as such.</i>
initialAvailability.label	string	The availability level label

initialAvailability.level	Int	The availability level in the corresponding scale 0 – None 1 – Limited 2 – High
descriptions	object	A product descriptions object
descriptions.short	object	The product's short description object
short.locale	string	The locale (language) of the description text values
short.title	string	The description's title
short.description	string	The description's main text
descriptions.extended	object	The product's extended description object
extended.locale	string	The locale (language) of the description text values
extended.title	string	The description's title
extended.description	string	The description's main text
characteristics	characteristic[]	An array of product characteristics group objects
characteristics.locale	string	The locale (language) of the characteristics text values
characteristics.group	string	The group that this set of characteristics belong to
characteristics.characteristics	characteristics[]	The set of characteristics that belong to this group
characteristics.description	string	The characteristic's description
characteristics.value	string	The characteristic's value
files	file[]	An array of product file objects
files.id	string	The product file's unique id, used as a url fragment to product files request
files.path	string	The path to the product file
files.description	string	A short description of the file contents
files.category	string	The product file's category in the file classification tree
files.subcategory	string	The product file's sub-category in the file classification tree
files.contents	string	The file's contents characterization
files.language	string	The language of the file's contents

Example Request

Url: **{base url}/products**

Http Method: **POST**

Request - JSON Body:

```
{
  "email": "associate@domain.com",
  "password": "aBc$^*123"
}
```

Response

Status Code: **200 OK**

```
[
  {
    "company": "Παντελής Παπαδόπουλος ΑΕΒΕ",
    "sku": "02092",
    "factoryCode": "092",
    "barcode": "5210158003579",
    "name": "Σπαστήρας Φυγοκεντρικός με Διαχωριστήρα & Αντλία Enoitalia Jolly 35",
    "manufacturer": "ENOITALIA COSTRUZIONI MACCHINE ENOLOGICHE S.R.L.",
    "brand": "Enoitalia",
    "model": "JOLLY35",
    "category": "Μηχανήματα & Εργαλεία",
    "webGroup": "Οινοποιητικά Μηχανήματα",
    "sort": "Σπαστήρες",
    "group": "ΕΥΡΕΙΑΣ ΧΡΗΣΗΣ",
    "subgroup1": "ΗΛΕΚΤΡΙΚΑ/ΕΣ/ΟΙ",
    "subgroup2": "ΣΠΑΣΤΗΡΕΣ ΜΕ ΔΙΑΧΩΡΙΣΤΗΡΑ & ΑΝΤΛΙΑ",
    "dimensions": {
      "height": 90.0,
      "length": 133.0,
      "width": 68.0,
      "volume": 0.81396,
      "weight": 95.0,
      "grossWeight": 110.0
    },
    "prices": {
      "bulk": "960.0",
      "retail": "1200.0",
      "catalogue": null,
      "currency": "EUR"
    },
    "vatPercent": 24.0,
    "moq": 1,
    "salesUnits": "Τεμάχια",
    "salesPieces": 1,
    "replacers": {
      "replacedBy": "028639569-16",
      "replaces": null
    },
    "descriptions": {
      "short": {
        "locale": "EL",
        "title": "Φυγοκεντρικός Σπαστήρας Ηλεκτρικός με Διαχωριστήρα & Αντλία Enoitalia Jolly 35 (2.5 hp)",

```

```

        "description": "Σπαστήρας - διαχωριστήρας εφοδιασμένος με μια φυγοκεντρική αντλία για τ
η μεταφορά του μούστου στο δοχείο συλλογής. Κατασκευή από επισμαλτωμένο σίδηρο. "
    },
    "extended": {
        "locale": "EL",
        "title": "Φυγοκεντρικός Σπαστήρας Ηλεκτρικός με Διαχωριστήρα & Αντλία Enoitalia Jolly 3
5 (2.5 hp)",
        "description": "Σπαστήρας - διαχωριστήρας εφοδιασμένος με μια φυγοκεντρική αντλία για τ
η μεταφορά του μούστου στο δοχείο συλλογής. Κατασκευή από επισμαλτωμένο σίδηρο. Το καλάθι του διαχωριστ
ήρα και η φυγοκεντρική αντλία, είναι κατασκευασμένα από ανοξείδωτο ατσάλι. Το μηχάνημα είναι ανοιγόμενο
, τόσο στο κεντρικό τμήμα του, όσο και από το πλάι για την εύκολη εξαγωγή του καλαθιού του διαχωριστήρα
και την εύκολη και γρήγορη συντήρηση του μηχανήματος. \r\n"
    }
},
"characteristics": [
    {
        "locale": "EL",
        "group": "Τεχνικά χαρακτηριστικά",
        "characteristics": [
            {
                "description": "Παραγωγή (kg/h)",
                "value": "3800"
            },
            {
                "description": "Διαστάσεις κυλίνδρων (mm)",
                "value": "Φυγοκεντρικό Χωρίς Κυλίνδρους"
            },
            {
                "description": "Εσωτερικές διαστάσεις κάδου (mm)",
                "value": "580 x 1040"
            },
            {
                "description": "Μανομετρικό αντλίας (οριζόντιο - κάθετο ) (m)",
                "value": "15 - 5"
            }
        ]
    }
],
"files": [
    {
        "id": "4b366c94-f017-4b5e-97dc-53f6780c9a8e",
        "path": "https://3pims.papadopoulos.com.gr/api/associates/Files/4b366c94-f017-4b5e-
97dc-53f6780c9a8e",
        "description": "Base image",
        "category": "Marketing",
        "subcategory": "Image",
        "contents": "Action",
        "language": "Bulgarian"
    }
],
"initialAvailability": {
    "label": "Limited",
    "level": 1
}

```

```
    }  
  }  
]
```

Product availability levels

Request Path	Request Type	Description
/stock	POST	Retrieves a product's availability levels

Request query parameters

Parameter	Description
sku	The product's stock keeping unit (internal code)

Request JSON Payload

- ? indicates nullable data type

Property	Type	Required	Description/Comments
email	string	Yes	The Associate's email address that has been supplied to them as part of the credentials (serves as the <i>username</i>).
password	int	Yes	The Associate's <i>password</i> that has been supplied to them as part of the credentials

Response Json

Property	Type	Description
sku	string	The product's stock keeping unit (internal code)
label	string	The availability level label
level	Int	The availability level in the corresponding scale 0 – None 1 – Limited 2 – High

Example Request

Url: {base url}/stock?sku=029009385-01

Http Method: POST

JSON Body:

```
{  
  "email": "associate@domain.com",  
  "password": "aBc$^*123"  
}
```

Example Response

Status Code: **200 OK**

```
{  
  "sku": "029527156-43",  
  "label": "Υψηλή",  
  "level": 2  
}
```

Product file download

Request Path	Request Type	Description
<i>/files/{fileId}</i>	GET	Used to download a product file

Request JSON Payload

- *? indicates nullable data type*

This request does not require a body

Example Request

Url: **{base url}/files/ 6ebdb9d0-5902-494c-b874-5616e84e7642**

Http Method: **GET**

Example response

Status Code: **200 OK**

File content response

Product information – XML response

Request Path	Request Type	Description
/xml	GET	Retrieves a list of products with their specific information in XML format.

Request query parameters

Parameter	Description
username	The Associate's <i>username</i> that has been supplied to them as part of the credentials (usually their email address).
password	The Associate's <i>password</i> that has been supplied to them as part of the credentials

Request Payload

- ? indicates nullable data type

This request does not require a body

Response XML – Simple version

Property	Description
Company	The product's company
Sku	The product's stock keeping unit (internal code)
FactoryCode	The product's factory code
Barcode	The product's barcode
Name	The products name (label description)
Manufacturer	The product's manufacturer name
Brand	The product's brand name
Model	The product's model name
ReplacedBy	The factory code of the product the current one is being replaced by
Replaces	The factory code of the product the current one replaces
Category	Product classification - Commercial category name (internal classification tree)
WebGroup	Product classification - Web category name
Sort	Product classification - Sort name
Group	Product classification - Group name

Height	The product's height
Length	The product's length
Width	The product's width
Volume	The product's volume
Weight	The product's net weight
BulkPrice	The product's bulk price
RRPrice	The product's recommended retail price
CataloguePrice	The product's special offer price. <i>If this field has value, then it supersedes the RRPrice.</i>
VatPercent	The VAT percent of the product
Currency	The price reference currency
ProductRecycleTax	The product recycle tax
BatteryRecycleTax	The battery recycle tax
OilRecycleTax	The oil recycle tax
Moq	The minimum order quantity for the product
SalesUnits	The units in which we sell
SalesPieces	The number of pieces (or minimum quantity unit) each sales unit contains
MoqPieces	The number of pieces (or minimum quantity units) contained in total in the moq. <i>e.g. if Moq = 2 and SalesPieces = 5 then MoqPieces = 2 x 5 = 10</i>
ShortDescription	The product's short description text
ExtendedDescription	The product's extended description text
InitialAvailabilityLabel	The initial availability* level label
InitialAvailabilityLevel	The initial availability* level in the corresponding scale 0 – None 1 – Limited 2 – High

* Shows the availability level at the time of the internal update, usually very early in the morning, definitely set before the Associate's daily request time window. **This is not a real time value and should not be used as such.**

Example Request

Url: {base url}/xml?username=associate@domain.com?password=aBc\$^*123

Http Method: GET

Example Response

Status Code: **200 OK**

```
<?xml version="1.0" encoding="UTF-8"?>
<Products audience="associate@domain.com" timestamp="2/11/2022 1:16:49 μμ">
```

```

<Product>
  <Company>Παντελής Παπαδόπουλος AEBE</Company>
  <Sku>029527156-45</Sku>
  <FactoryCode>952715645</FactoryCode>
  <Barcode>7391883160039</Barcode>
  <Name>
    <![CDATA[Φυσητήρας/Απορροφητήρας Husqvarna 125 BVX]]>
  </Name>
  <Manufacturer>
    <![CDATA[HUSQVARNA]]>
  </Manufacturer>
  <Brand>Husqvarna</Brand>
  <Model>
    <![CDATA[125 BVX]]>
  </Model>
  <ReplacedBy>
    <![CDATA[]]>
  </ReplacedBy>
  <Replaces>
    <![CDATA[028639569-16]]>
  </Replaces>
  <Category>
    <![CDATA[Μηχανήματα & Εργαλεία]]>
  </Category>
  <WebGroup>
    <![CDATA[Μηχανήματα Φροντίδας Δάσους, Κήπου & Πάρκων, Αγρού]]>
  </WebGroup>
  <Sort>
    <![CDATA[Φυσητήρες / Απορροφητήρες]]>
  </Sort>
  <Group>
    <![CDATA[ΕΥΡΕΙΑΣ ΧΡΗΣΗΣ]]>
  </Group>
  <Height>48,00</Height>
  <Length>53,00</Length>
  <Width>28,00</Width>
  <Volume>0,07</Volume>
  <Weight>4,00</Weight>
  <BulkPrice>275,95</BulkPrice>
  <RRPrice>294,35</RRPrice>
  <CataloguePrice>269,78</CataloguePrice>
  <VatPercent>24,00</VatPercent>
  <Currency>EUR</Currency>
  <Moq>1</Moq>
  <SalesUnits>Τεμάχια</SalesUnits>
  <SalesPieces>1</SalesPieces>
  <MoqPieces>1</MoqPieces>
  <ShortDescription>
    <![CDATA[Αποτελεσματικός φυσητήρας χειρός που συνδυάζει την υψηλή ισχύ φυσήματος με την φιλικότητα στο χρήστη.]]>
  </ShortDescription>
  <ExtendedDescription>

```

```

<![CDATA[Αποτελεσματικός φυσητήρας χειρός που συνδυάζει την υψηλή ισχύ φυσήματος με την φιλικότητα στο χρήστη. Ιδανικός για ιδιοκτήτες σπιτιών. Με πολύ καλή κατανομή βάρους και ευκολία στο χειρισμό χάρη στην ευθυγραμμισμένη έξοδο αέρα. Εύκολος στην εκκίνηση χάρη στην τεχνολογία Smart Start®. Παραδίδεται με στρογγυλό και επίπεδο ακροφύσιο. Το κιτ αναρρόφησης περιλαμβάνεται στο βασικό εξοπλισμό. ]]>
</ExtendedDescription>
<Image1>
<![CDATA[https://localhost:44392/api/associates/files/27902cca-e8dc-47ef-a4fc-c6449bc6397a]]>
</Image1>
<Image2>
<![CDATA[]]>
</Image2>
<Image3>
<![CDATA[]]>
</Image3>
<InitAvailabilityLabel>Limited</InitAvailabilityLabel>
<InitAvailabilityLevel>2</InitAvailabilityLevel>
</Product>

```

Product information – XML file response

Request Path	Request Type	Description
<i>/files/xml</i>	GET	Retrieves a list of products with their specific information in XML format, as a file.

Request query parameters

Parameter	Description
username	The Associate's <i>username</i> that has been supplied to them as part of the credentials (usually their email address).
password	The Associate's <i>password</i> that has been supplied to them as part of the credentials

Request Payload

- ? indicates nullable data type

This request does not require a body

Example Request

Url: {base url}/files/xml?username=associate@domain.com?password=aBc\$^*123

Http Method: GET

Response

Status Code: **200 OK**

XML file response

All Endpoints - Other responses

Calls to all of the API endpoints might respond on error, with the following status codes accompanied by a descriptive message.

Responses

Endpoint path	Status code	Description	Message
/products	400	Bad request	Email is a required field
			User is not authorized to access this resource
			Users not in eligible roles
			No products found
			This request is outside the specified daily timeframe
/stock	400	Bad request	Email is a required field
			User is not authorized to access this resource
			Sku is required
			Products not found
/files	400	Bad request	File has no content
			File(s) not found
All	500	Internal server error	Something went wrong. If the problem persists please contact the administrators