

Products

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Product Index Endpoint

Structure

See [View Product Endpoint](#) for the structure of the order payload inside the data array.

Scopes

Name	Description	Example
<code>active</code>	Only return active products	<code>?scope=active</code>
<code>inactive</code>	Only return inactive products	<code>?scope=inactive</code>
<code>visible</code>	Only return visible products	<code>?scope=visible</code>
<code>hidden</code>	Only return hidden products	<code>?scope=hidden</code>
<code>published</code>	Only return published products	<code>?scope=published</code>
<code>unpublished</code>	Only return unpublished products	<code>?scope=unpublished</code>
<code>scheduled</code>	Only return scheduled to be published products	<code>?scope=scheduled</code>

These scopes are applied at database level and may not always reflect real-time search index data. For precise filtering use the [Product Search Endpoint](#).

Filters

Name	Description	Example
<code>models</code>	Only return products with specific models (note: singular form <code>?model</code> not supported)	<code>?models=ABC,DEF</code>
<code>skus</code>	Only return products with variants that have specific SKUs	<code>?skus=ABC - 123,DEF - 456</code>

Plural filters can also be used in singular form (unless otherwise stated), e.g. `?sku=ABC - 123` for `?skus=ABC - 123`.

Example Request

```
GET /api/products?per_page=2&min_updated_at=2023-08-30%2010:36:23
```

Example Response

```
{
  "current_page": 1,
  "data": [
    //...
  ],
  "first_page_url": "http://aero.test/api/products?page=1",
  "from": 1,
  "last_page": 16,
  "last_page_url": "http://aero.test/api/products?page=16",
  "next_page_url": "http://aero.test/api/products?page=2",
  "path": "http://aero.test/api/products",
  "per_page": 2,
  "prev_page_url": null,
  "to": 2,
  "total": 32
}
```

Product Search Endpoint

Pre-requisites

This endpoint performs product search queries using Elasticsearch. Make sure your product documents are indexed before using this route:

```
php artisan aero:search:reindex --type=product
```

You must run this command **after** installing the API.

Structure

See [View Product Endpoint](#) for the structure of the order payload inside the data array.

Name	Description	Example
<code>active</code>	Only return active products	<code>?scope=active</code>
<code>inactive</code>	Only return inactive products	<code>?scope=inactive</code>
<code>visible</code>	Only return visible products	<code>?scope=visible</code>
<code>hidden</code>	Only return hidden products	<code>?scope=hidden</code>
<code>categorised</code>	Only return products that are in a category	<code>?scope=categorised</code>
<code>un-categorised</code>	Only return products that aren't in a category	<code>?scope=un-categorised</code>
<code>published</code>	Only return published products	<code>?scope=published</code>
<code>unpublished</code>	Only return unpublished products	<code>?scope=unpublished</code>
<code>scheduled</code>	Only return scheduled to be published products	<code>?scope=scheduled</code>
<code>has-stock</code>	Only return products that have stock	<code>?scope=has-stock</code>
<code>out-of-stock</code>	Only return products that don't have stock	<code>?scope=out-of-stock</code>
<code>not-tracking-stock</code>	Only return products that aren't tracking stock	<code>?scope=not-tracking-stock</code>
<code>reduced</code>	Only return reduced products	<code>?scope=reduced</code>
<code>not-reduced</code>	Only return non-reduced products	<code>?scope=not-reduced</code>

has-images	Only return products that have images	?scope=has-images
no-images	Only return products that don't have images	?scope=no-images

Filters

Name	Description	Example
manufacturers	Only return products with specific manufacturer ids (or names)	?manufacturers=1,burberry
tags	Only return products with specific tag ids (or names formatted as group name)	?tags=1,colour red
barcodes	Only return products with specific barcodes	?barcodes=123,abc
references	Only return products with specific references	?references=123,abc
price	Only return products with specific price in whole units (e.g. pounds, not pence)	?price=123
min_price	Only return products with price above min price in whole units (e.g. pounds, not pence)	?min_price=123
max_price	Only return products with price below max price in whole units (e.g. pounds, not pence)	?max_price=123
stock_level	Only return products with specific stock level	?stock_level=1
min_stock_level	Only return products with stock above specific stock level	?min_stock_level=1
max_stock_level	Only return products with stock below specific stock level	?max_stock_level=10
type	Only return products of a certain type (e.g. simple or variant)	?type=variant
models	Only return products with specific models	?models=ABC,DEF
skus	Only return products with variants that have specific SKUs	?skus=ABC-123,DEF-456

The **tags** filter applies AND logic across groups and OR logic within groups:

- ?tags=size|small,colour|red = small **and** red.
- ?tags=colour|red,colour|green = red **or** green.

Plural filters can also be used in singular form, e.g. `?manufacturer=burberry` for `?manufacturers=burberry`.

Example Request

```
GET /api/products/search?per_page=2&min_updated_at=2023-08-30%2010:36:23&min_stock_level=1&max_stock_level=10
```

Example Response

```
{
  "current_page": 1,
  "data": [
    //...
  ],
  "first_page_url": "http://aero.test/api/products?page=1",
  "from": 1,
  "last_page": 16,
  "last_page_url": "http://aero.test/api/products?page=16",
  "next_page_url": "http://aero.test/api/products?page=2",
  "path": "http://aero.test/api/products",
  "per_page": 2,
  "prev_page_url": null,
  "to": 2,
  "total": 32
}
```

View Product Endpoint

Structure

Product

Name	Type	Description
<code>model</code>	string	The unique model identifier for the product
<code>name</code>	string	The display name of the product
<code>manufacturer</code>	object	The Manufacturer object (null when none)
<code>summary</code>	string	A short summary of the product
<code>description</code>	string	A detailed description of the product
<code>active</code>	boolean	Whether the product is active (available for purchase)
<code>visible</code>	boolean	Whether the product is visible in the storefront
<code>attribute_groups_to_split_by</code>	?array	The attribute groups to split listings by (null when none)
<code>published_at</code>	timestamp	When the product was published
<code>images</code>	array	An array of Image objects
<code>categories</code>	array	An array of Category objects
<code>tags</code>	array	An array of Tag objects
<code>variants</code>	array	An array of Variant objects
<code>seo</code>	object	A SEO object

<code>settings</code>	object	A Settings object with grouped key-value pairs
<code>additional_attributes</code>	array	An array of Additional Attribute objects
<code>specifications</code> *	array	An array of Specification objects
<code>specification_groups</code> *	array	An array of Specification Group objects
<code>upsells</code>	array	An array of Upsell objects
<code>related_listings</code>	array	An array of Related Listing objects

* `specifications` is if using `<1.0.0` version of `aerocargo/specifications`, otherwise use `specification_groups`.

Manufacturer

Name	Type	Description
<code>id</code>	int	The id of the manufacturer
<code>name</code>	string	The name of the manufacturer

Image

Name	Type	Description
<code>url</code>	string	The url of the image
<code>default</code>	bool	Whether the image is default
<code>attributes</code>	array	An array of Attribute objects

Category

Name	Type	Description
<code>id</code>	int	The id of the category
<code>name</code>	string	The name of the category (e.g., Coats)
<code>breadcrumb</code>	string	The breadcrumb path for the category (e.g., Mens > Coats)

Variant

Name	Type	Description
sku	string	The unique SKU for the variant
reference	string	The unique reference for the variant
name	string	Display name of the variant
summary	string	A short summary of the variant
description	string	A detailed description of the variant
barcode	string	The barcode/UPC/EAN of the variant
buyable	boolean	Whether the variant can be purchased
visible	boolean	Whether the variant is visible in listings
shippable	boolean	Whether the variant is shippable
discountable	boolean	Whether discounts can be applied to this variant
hide_when_no_stock	boolean	Whether the variant should be hidden when out of stock
infinite_stock	boolean	Whether the variant has unlimited stock
stock_level	int	Current stock level
stock_buffer	int	The stock buffer
tax_group	string	The tax group applied to the variant
minimum_quantity	int	Minimum quantity per purchase
maximum_quantity	int	Maximum quantity per purchase
multiples_of	int	Purchasable only in multiples of this number
weight	float	Weight of the variant
weight_unit	string	Unit of weight (e.g., <code>kg</code> , <code>lb</code>)
volume	float	Volume of the variant
volume_unit	string	Unit of volume (e.g., <code>m^3</code> , <code>cm^3</code>)
hs	string	HS (Harmonized System) code for customs
price.amount	float	The current price of the variant excluding tax
price.tax	float	The tax of the current price
price.currency	string	The currency of the current price
retail.amount	float	The RRP for the variant excluding tax

retail.tax	float	The tax of the RRP
retail.currency	string	The currency of the RRP
origin_country	string	ISO country code of origin (e.g., <code>US</code> , <code>GB</code>)
goods_description	string	Description of goods for customs
attributes	array	An array of Attribute objects
tags	array	An array of Tag objects
cost	object	The Cost Price of the variant
prices	array	An array of Price objects
additional_attributes	array	An array of Additional Attribute objects
specifications *	array	An array of Specification objects
specification_groups *	array	An array of Specification Group objects
upsells	array	An array of Upsell objects

* `specifications` is if using `<1.0.0` version of `aerocargo/specifications`, otherwise use `specification_groups`.

Attribute

Name	Type	Description
id	int	The id of the attribute
name	string	The name of the attribute
reference	string	The reference of the attribute
group	object	The Attribute Group object

Attribute Group

Name	Type	Description
id	int	The id of the tag group
name	string	The name of the tag group
reference	string	The reference of the tag group

Tag

Name	Type	Description
<code>id</code>	int	The id of the tag
<code>name</code>	string	The name of the tag
<code>reference</code>	string	The reference of the tag
<code>group</code>	object	The Tag Group object

Tag Group

Name	Type	Description
<code>id</code>	int	The id of the tag group
<code>name</code>	string	The name of the tag group
<code>reference</code>	string	The reference of the tag group

Cost Price

Name	Type	Description
<code>amount</code>	float	The cost price including tax
<code>currency</code>	string	Currency code (defaults to store default if not provided)

Price

Name	Type	Description
<code>id</code>	int	The id of the price
<code>currency</code>	string	The currency code for the price
<code>quantity</code>	int	The quantity required for the price to be detected/applied
<code>value.amount</code>	float	The normal price excluding tax
<code>value.tax</code>	float	The tax for the normal price
<code>sale_value.amount</code>	float	The sale price excluding tax
<code>sale_value.tax</code>	float	The tax for the sale price
<code>retail_value.amount</code>	float	The retail price excluding tax
<code>retail_value.tax</code>	float	The tax for the retail price
<code>start_at</code>	timestamp	The start date for when the price is active
<code>end_at</code>	timestamp	The end date for when the price is active

reference	string	The reference for the price
-----------	--------	-----------------------------

SEO

Name	Type	Description
heading	string	The SEO Heading
page_title	string	The SEO Page Title
meta_description	string	The SEO Meta Description
canonical	string	The SEO Canonical
noindex	boolean	The SEO No Index
nofollow	boolean	The SEO No Follow

Settings

Settings are grouped as key-value pairs.

- Use "_" for ungrouped settings.
- Each group contains its own object of key-value pairs.

```
{
  "settings": {
    "_": {
      "no_group": "value"
    },
    "group": {
      "key": "value"
    }
  }
}
```

Additional Attribute

Name	Type	Description
key	string	The key of the additional attribute
value	string	The value of the additional attribute

Specification

Name	Type	Description
group.name	string	The name of the specification group

name	string	The name of the specification
value	string	The value of the specification
media	array	An array of Media objects

This is only for `<1.0.0` version of `aerocargo/specifications`. See [Specification Group](#) for `1.x` structure.

Specification Group

Name	Type	Description
id	int	The id of the specification group
name	string	The name of the specification group
fields	array	An array of Field objects
media	array	An array of Media objects
settings	object	A Settings object with grouped key-value pairs

This is only for `>=1.0.0` version of `aerocargo/specifications`. See [Specification](#) for `0.x` structure.

Specification Group Field

Name	Type	Description
id	int	The id of the specification group field
name	string	The name of the specification group field
value	string	The value of the specification group field
media	array	An array of Media objects
settings	object	A Settings object with grouped key-value pairs

Media

Name	Type	Description
id	int	The id of the media

slug	string	The slug of the media
disk	string	The disk used to store the media
path	string	The path of the media on the disk
title	string	The title of the media
type	string	The mimetype of the media
extension	string	The file extension of the media
size	int	The file size of the media in bytes
meta	object	The meta data of the media
source	string	The source file name of the media
is_protected	bool	Whether the media is protected

Upsell

Name	Type	Description
group	object	The Upsell Group object (null when none)
attributes	array	An array of Attribute objects that the upsell shows for
models	array	And array of models for the upsell
skus	array	And array of SKUs for the upsell

Upsell Group

Name	Type	Description
key	string	The key of the upsell group
name	string	The name of the upsell group

Related Listing

Name	Type	Description
id	int	The id of the listing
product.id	int	The id of the product linked to the listing
product.model	string	The model of the product linked to the listing
variants.*.id	id	The id of the variants linked to the listing

<code>variants.*.sku</code>	string	The sku of the variants linked to the listing
<code>sort</code>	int	The sort of the listing within the group

Example Requests

```
GET /api/products/{id|model}
```

```
GET /api/products?model=model
```

Using the first request syntax is advised, only use the second if/when the model is numeric, as if a matching id exists that would be resolved instead.

Example Responses

Simple Product

```
{
  "model": "9021182",
  "name": "Detachable Sleeve Puffer Jacket",
  "manufacturer": "Burberry",
  "categories": [
    {
      "name": "Mens > Coats > Padded Coats"
    }
  ],
  "summary": "Summary",
  "description": "Description",
  "active": true,
  "visible": true,
  "images": [
    {
      "src": "https://picsum.photos/seed/first/600/400",
      "default": true
    }
  ],
  "variants": [
    {
      "sku": "9021182",
```

```
        "barcode": "abc123",
        "stock_level": 5,
        "prices": [
            {
                "currency": "GBP",
                "price": 790,
                "quantity": 1
            }
        ],
        "tax_group": "Taxable Product"
    }
],
"tags": [
    {
        "group": {
            "name": "Colour"
        },
        "name": "Blue"
    }
],
"seo": {
    "heading": "test heading",
    "page_title": "test page title",
    "meta_description": "test meta description",
    "noindex": 0,
    "nofollow": 0
},
"additional_attributes": [
    {
        "key": "test_name",
        "value": "test_value"
    }
]
}
```

Variant Product

```
{
  "id": 1,
  "model": "8021182",
  "name": "Detachable Sleeve Puffer Jacket",
  "summary": "Outer: Leather 100%, Polyamide 100%\nLining: Polyester 100%, Goose Down 90%, Wool 70%, Polyamide 20%, Cashmere 10%, Feather 10%",
  "description": "A quintessentially British brand, Burberry creates iconic designs that seamlessly infuse their rich heritage with a contemporary aesthetic. This deep blue wool and cashmere blend detachable sleeve puffer jacket from Burberry features a hood, a high standing collar, a zip and press stud fastening, detachable long sleeves, a contrast logo patch to one side, zipped side slit pockets and a puffer style.",
  "type": "variant",
  "active": true,
  "visible": true,
  "attribute_groups_to_split_by": null,
  "published_at": "2025-06-13T07:34:34.000000Z",
  "manufacturer": {
    "id": 1,
    "name": "Burberry"
  },
  "images": [
    {
      "url": "https://picsum.photos/seed/first/600/400",
      "default": "1"
    },
    {
      "url": "https://picsum.photos/seed/second/600/400",
      "default": "1"
    },
    {
      "url": "https://picsum.photos/seed/third/600/400",
      "default": "1"
    }
  ],
  "categories": [
    {
      "id": 3,
      "name": "Padded Coats",
      "breadcrumb": "Mens » Coats » Padded Coats"
    }
  ]
}
```

```
    }
  ],
  "tags": [
    {
      "id": 1,
      "name": "Blue",
      "reference": null,
      "group": {
        "id": 1,
        "name": "Colour",
        "reference": null
      }
    }
  ],
  "seo": {
    "heading": "test heading",
    "page_title": "test page title",
    "meta_description": "test meta description",
    "open_graph": "",
    "canonical": "",
    "noindex": null,
    "nofollow": null
  },
  "variants": [
    {
      "id": 1,
      "sku": "8021182-S",
      "reference": null,
      "name": "",
      "summary": "",
      "description": "",
      "barcode": null,
      "buyable": true,
      "visible": true,
      "shippable": true,
      "discountable": true,
      "infinite_stock": false,
      "stock_level": 5,
      "stock_buffer": 0,
```

```
"weight": null,
"weight_unit": null,
"volume": null,
"volume_unit": null,
"hs": null,
"origin_country": null,
"goods_description": null,
"cost": {
  "amount": 5623.54,
  "currency": "GBP"
},
"price": {
  "amount": 65833.33,
  "tax": 13166.669999999998,
  "currency": "GBP"
},
"retail": {
  "amount": null,
  "tax": null,
  "currency": "GBP"
},
"prices": [
  {
    "id": 1,
    "currency": "GBP",
    "quantity": 1,
    "value": {
      "amount": 65833.33,
      "tax": 13166.669999999998
    },
    "sale_value": {
      "amount": 65833.33,
      "tax": 13166.669999999998
    },
    "retail_value": {
      "amount": null,
      "tax": null
    },
    "start_at": null,
```

```
        "end_at": null,
        "reference": null
    }
],
"images": [
    {
        "url": "https://picsum.photos/seed/fourth/600/400",
        "default": "1",
        "attributes": [
            {
                "group": {
                    "name": "Size"
                },
                "name": "Small"
            }
        ]
    }
],
"attributes": [
    {
        "id": 1,
        "name": "Small",
        "display_name": "Small",
        "reference": null,
        "group": {
            "id": 1,
            "name": "Size",
            "reference": null
        }
    }
],
"tags": [
    {
        "id": 2,
        "name": "Small",
        "reference": null,
        "group": {
            "id": 2,
            "name": "Size",
```

```
        "reference": null
      }
    }
  ],
  "additional_attributes": []
},
{
  "id": 2,
  "sku": "8021182-M",
  "reference": null,
  "name": "",
  "summary": "",
  "description": "",
  "barcode": null,
  "buyable": true,
  "visible": true,
  "shippable": true,
  "discountable": true,
  "infinite_stock": false,
  "stock_level": 5,
  "stock_buffer": 0,
  "weight": null,
  "weight_unit": null,
  "volume": null,
  "volume_unit": null,
  "hs": null,
  "origin_country": null,
  "goods_description": null,
  "cost": {
    "amount": null,
    "currency": null
  },
  "price": {
    "amount": 65833.33,
    "tax": 13166.669999999998,
    "currency": "GBP"
  },
  "retail": {
    "amount": null,
```

```
    "tax": null,
    "currency": "GBP"
  },
  "prices": [
    {
      "id": 2,
      "currency": "GBP",
      "quantity": 1,
      "value": {
        "amount": 65833.33,
        "tax": 13166.669999999998
      },
      "sale_value": {
        "amount": 65833.33,
        "tax": 13166.669999999998
      },
      "retail_value": {
        "amount": null,
        "tax": null
      },
      "start_at": null,
      "end_at": null,
      "reference": null
    }
  ],
  "images": [],
  "attributes": [
    {
      "id": 2,
      "name": "Medium",
      "display_name": "Medium",
      "reference": null,
      "group": {
        "id": 1,
        "name": "Size",
        "reference": null
      }
    }
  ],
```

```
"tags": [  
  {  
    "id": 3,  
    "name": "Medium",  
    "reference": null,  
    "group": {  
      "id": 2,  
      "name": "Size",  
      "reference": null  
    }  
  }  
],  
"additional_attributes": []  
},  
{  
  "id": 3,  
  "sku": "8021182-L",  
  "reference": null,  
  "name": "",  
  "summary": "",  
  "description": "",  
  "barcode": null,  
  "buyable": true,  
  "visible": true,  
  "shippable": true,  
  "discountable": true,  
  "infinite_stock": false,  
  "stock_level": 5,  
  "stock_buffer": 0,  
  "weight": null,  
  "weight_unit": null,  
  "volume": null,  
  "volume_unit": null,  
  "hs": null,  
  "origin_country": null,  
  "goods_description": null,  
  "cost": {  
    "amount": null,  
    "currency": null
```

```
    },
    "price": {
      "amount": 65833.33,
      "tax": 13166.669999999998,
      "currency": "GBP"
    },
    "retail": {
      "amount": null,
      "tax": null,
      "currency": "GBP"
    },
    "prices": [
      {
        "id": 3,
        "currency": "GBP",
        "quantity": 1,
        "value": {
          "amount": 65833.33,
          "tax": 13166.669999999998
        },
        "sale_value": {
          "amount": 65833.33,
          "tax": 13166.669999999998
        },
        "retail_value": {
          "amount": null,
          "tax": null
        },
        "start_at": null,
        "end_at": null,
        "reference": null
      }
    ],
    "images": [],
    "attributes": [
      {
        "id": 3,
        "name": "Large",
        "display_name": "Large",
```

```
        "reference": null,
        "group": {
            "id": 1,
            "name": "Size",
            "reference": null
        }
    },
    ],
    "tags": [
        {
            "id": 4,
            "name": "Large",
            "reference": null,
            "group": {
                "id": 2,
                "name": "Size",
                "reference": null
            }
        }
    ],
    "additional_attributes": []
},
{
    "id": 4,
    "sku": "8021182-XL",
    "reference": null,
    "name": "",
    "summary": "",
    "description": "",
    "barcode": null,
    "buyable": true,
    "visible": true,
    "shippable": true,
    "discountable": true,
    "infinite_stock": false,
    "stock_level": 5,
    "stock_buffer": 0,
    "weight": null,
    "weight_unit": null,
```

```
"volume": null,
"volume_unit": null,
"hs": null,
"origin_country": null,
"goods_description": null,
"cost": {
  "amount": null,
  "currency": null
},
"price": {
  "amount": 65833.33,
  "tax": 13166.669999999998,
  "currency": "GBP"
},
"retail": {
  "amount": null,
  "tax": null,
  "currency": "GBP"
},
"prices": [
  {
    "id": 1,
    "currency": "GBP",
    "quantity": 1,
    "value": {
      "amount": 65833.33,
      "tax": 13166.669999999998
    },
    "sale_value": {
      "amount": 65833.33,
      "tax": 13166.669999999998
    },
    "retail_value": {
      "amount": null,
      "tax": null
    },
    "start_at": null,
    "end_at": null,
    "reference": null
  }
]
```

```
    }
  ],
  "images": [],
  "attributes": [
    {
      "id": 4,
      "name": "Extra Large",
      "display_name": "Extra Large",
      "reference": null,
      "group": {
        "id": 1,
        "name": "Size",
        "reference": null
      }
    }
  ],
  "tags": [
    {
      "id": 5,
      "name": "Extra Large",
      "reference": null,
      "group": {
        "id": 2,
        "name": "Size",
        "reference": null
      }
    }
  ],
  "additional_attributes": []
}
},
"additional_attributes": [],
"settings": []
}
```

Create Product Endpoint

Structure

Product

Name	Type	Description	Required
id	int	The id for the product	No
model	string	The unique model identifier for the product	Yes
name	string	The display name of the product	Yes
manufacturer	string	The manufacturer/brand of the product	No
summary	string	A short summary of the product	No
description	string	A detailed description of the product	No
active	boolean	Whether the product is active (available for purchase)	No
visible	boolean	Whether the product is visible in the storefront	No
attribute_groups_to_split_by	array	An array of attribute group names to split listings by (e.g., ["Size"])	No
published_at	timestamp	When the product was published	No
images	array	An array of Image objects	No
categories	array	An array of Category objects	No
tags	array	An array of Tag objects	No
variants	array	An array of Variant objects	Yes
seo	object	A SEO object	No
settings	object	A Settings object with grouped key-value pairs	No

<code>additional_attributes</code>	array	An array of Additional Attribute objects	No
<code>specifications</code> *	array	An array of Specification objects	No
<code>specification_groups</code> *	array	An array of Specification Group objects	No
<code>upsells</code>	array	An array of Upsell objects	No
<code>related_listings</code>	array	An array of Related Listing objects	No

* `specifications` is if using `<1.0.0` version of `aerocargo/specifications`, otherwise use `specification_groups`.

Category

Name	Type	Description	Required
<code>name</code>	string	The category name or breadcrumb (e.g., "Coats" or "Mens > "Coats")	Yes

Variant

Name	Type	Description	Required
<code>id</code>	int	The id for the variant	No
<code>sku</code>	string	The unique SKU for the variant	Yes
<code>reference</code>	string	The unique reference for the variant	No
<code>name</code>	string	Display name of the variant	No
<code>summary</code>	string	A short summary of the variant	No
<code>description</code>	string	A detailed description of the variant	No
<code>barcode</code>	string	The barcode/UPC/EAN of the variant	No

buyable	boolean	Whether the variant can be purchased	No
visible	boolean	Whether the variant is visible in listings	No
shippable	boolean	Whether the variant is shippable	No
discountable	boolean	Whether discounts can be applied to this variant	No
hide_when_no_stock	boolean	Whether the variant should be hidden when out of stock	No
infinite_stock	boolean	Whether the variant has unlimited stock	No
stock_level	int	Current stock level	No
stock_buffer	int	The stock buffer	No
tax_group	string	The tax group applied to the variant	No
minimum_quantity	int	Minimum quantity per purchase	No
maximum_quantity	int	Maximum quantity per purchase	No
multiples_of	int	Purchasable only in multiples of this number	No
weight	float	Weight of the variant	No
weight_unit	string	Unit of weight (e.g., <code>kg</code> , <code>lb</code>)	No
volume	float	Volume of the variant	No
volume_unit	string	Unit of volume (e.g., <code>m^3</code> , <code>cm^3</code>)	No
hs	string	HS (Harmonized System) code for customs	No
origin_country	string	ISO country code of origin (e.g., <code>US</code> , <code>GB</code>)	No

<code>goods_description</code>	string	Description of goods for customs	No
<code>attributes</code>	array	An array of Attribute objects	If product has variants
<code>tags</code>	array	An array of Tag objects	No
<code>cost</code>	object	The Cost Price of the variant	No
<code>prices</code>	array	An array of Price objects	Yes
<code>additional_attributes</code>	array	An array of Additional Attribute objects	No
<code>specifications</code> *	array	An array of Specification objects	No
<code>specification_groups</code> *	array	An array of Specification Group objects	No
<code>upsells</code>	array	An array of Upsell objects	No

* `specifications` is if using `<1.0.0` version of `aerocargo/specifications`, otherwise use `specification_groups`.

Attribute

Name	Type	Description	Required
<code>name</code>	string	The name of the attribute (e.g., "Small" or "Red")	Yes
<code>tags</code>	array	An array of Tag objects linked to the attribute	No
<code>group</code>	object	The Attribute Group of the attribute	Yes

Attribute Group

Name	Type	Description	Required
<code>name</code>	string	The name of the attribute group (e.g., "Size", "Colour")	Yes

Tag

Name	Type	Description	Required
<code>name</code>	string	The name of the tag (e.g., "Small" or "Red")	Yes
<code>group</code>	object	The Tag Group of the tag	Yes

Tag Group

Name	Type	Description	Required
<code>name</code>	string	The name of the tag group (e.g., "Size" or "Colour"	Yes

Image

Name	Type	Description	Required
<code>src</code>	string	The source url of the image	Yes
<code>alt</code>	string	Alt text for accessibility and SEO	No
<code>is_default</code>	boolean	Whether this is a default image	No
<code>position</code>	int	Sort order position of the image	No
<code>attributes</code>	array	An array of Attribute objects that apply to this image	No

Cost Price

Name	Type	Description	Required
<code>amount</code>	float	The cost price including tax	Yes
<code>currency</code>	string	Currency code (defaults to store default if not provided)	No

Price

Name	Type	Description	Required
<code>price</code>	float	The base price including tax	Yes
<code>sale_price</code>	float	The sale price including tax	No

retail_price	float	The retail price including tax	No
quantity	int	Quantity required for this price tier (default: 1)	No
currency	string	Currency code (defaults to store default)	No
start_at	timestamp	When this price becomes active (e.g., 2023-09-01 09:29:41)	No
end_at	timestamp	When this price expires	No
reference	string	The unique reference for the price	No

SEO

Name	Type	Description	Required
heading	string	The SEO Heading	No
page_title	string	The SEO Page Title	No
meta_description	string	The SEO Meta Description	No
canonical	string	The SEO Canonical	No
noindex	boolean	The SEO No Index	No
nofollow	boolean	The SEO No Follow	No

Settings

Settings are grouped as key-value pairs.

- Use "_" for ungrouped settings.
- Each group contains its own object of key-value pairs.

```
{
  "settings": {
    "_": {
      "no_group": "value"
    },
    "group": {
      "key": "value"
    }
  }
}
```

Additional Attribute

Name	Type	Description	Required
key	string	The key of the additional attribute	Yes
value	string	The value of the additional attribute	Yes

Specification

Name	Type	Description	Required
group.name	string	The name of the specification group	Yes
name	string	The name of the specification	*
value	string	The value of the specification	No
media	array	An array of Media objects	*

* At least one must be present, furthermore if the group doesn't exist and is to be created you must provide at least one field for it.

This is only for <1.0.0 version of [aerocargo/specifications](#) . See [Specification Group](#) for 1.x structure.

Specification Group

Name	Type	Description	Required
id	int	The id of the specification group	*
name	string	The name of the specification group	*
fields	array	An array of Field objects	Yes
media	array	An array of Media objects	No
settings	object	A Settings object with grouped key-value pairs	No

* At least one must be present.

This is only for `>=1.0.0` version of `aerocargo/specifications`. See [Specification](#) for `0.x` structure.

Specification Group Field

Name	Type	Description	Required
<code>id</code>	int	The id of the specification group field	*
<code>name</code>	string	The name of the specification group field	*
<code>value</code>	string	The value of the specification group field	Yes
<code>media</code>	array	An array of Media objects	No
<code>settings</code>	object	A Settings object with grouped key-value pairs	No

* At least one must be present.

Media

Name	Type	Description	Required
<code>id</code>	int	The id of the media	*
<code>source</code>	string	The source of the media, e.g. test.png	*

* At least one must be present.

Upsell

Name	Type	Description	Required
<code>group.key</code>	string	The upsell group key	Yes
<code>attributes</code>	array	An array of Attribute objects that the upsell shows for	No
<code>models</code>	array	And array of models for the upsell	No
<code>skus</code>	array	And array of SKUs for the upsell	No

Related Listing

Name	Type	Description	Required
<code>id</code>	int	The id of the listing	Conditional *
<code>variant_id</code>	int	The id of the variant (of the listing)	Conditional *
<code>sku</code>	string	The SKU of the variant (of the listing)	Conditional *
<code>product_id</code>	int	The id of the product (of the listing)	Conditional *
<code>model</code>	string	The model of the product (of the listing)	Conditional *

* At least one must be present, resolved in the order they are listed top-down.

Example Requests

Simple Product (One variant without any attributes)

POST /api/products

```
{
  "model": "9021182",
  "name": "Detachable Sleeve Puffer Jacket",
  "manufacturer": "Burberry",
  "categories": [
    {
      "name": "Mens > Coats > Padded Coats"
    }
  ],
  "summary": "Summary",
  "description": "Description",
  "active": true,
  "visible": true,
  "images": [
    {
      "src": "https://picsum.photos/seed/first/600/400",
    }
  ]
}
```

```
        "is_default": true
    }
],
"variants": [
    {
        "sku": "9021182",
        "barcode": "abc123",
        "stock_level": 5,
        "prices": [
            {
                "currency": "GBP",
                "price": 790,
                "quantity": 1
            }
        ],
        "tax_group": "Taxable Product"
    }
],
"tags": [
    {
        "group": {
            "name": "Colour"
        },
        "name": "Blue"
    }
],
"seo": {
    "heading": "test heading",
    "page_title": "test page title",
    "meta_description": "test meta description",
    "noindex": 0,
    "nofollow": 0
},
"additional_attributes": [
    {
        "key": "test_name",
        "value": "test_value"
    }
]
```

```
}
```

Variant Product (Multiple variants with shared attribute matrix structure)

POST /api/products

```
{
  "model": "9021182",
  "name": "Detachable Sleeve Puffer Jacket",
  "manufacturer": "Burberry",
  "categories": [
    {
      "name": "Mens > Coats > Padded Coats"
    }
  ],
  "summary": "Outer: Leather 100%, Polyamide 100%\nLining: Polyester 100%, Goose Down 90%, Wool 70%, Polyamide 20%, Cashmere 10%, Feather 10%",
  "description": "A quintessentially British brand, Burberry creates iconic designs that seamlessly infuse their rich heritage with a contemporary aesthetic. This deep blue wool and cashmere blend detachable sleeve puffer jacket from Burberry features a hood, a high standing collar, a zip and press stud fastening, detachable long sleeves, a contrast logo patch to one side, zipped side slit pockets and a puffer style.",
  "images": [
    {
      "src": "https://picsum.photos/seed/first/600/400",
      "is_default": "1"
    },
    {
      "src": "https://picsum.photos/seed/second/600/400",
      "is_default": "1"
    },
    {
      "src": "https://picsum.photos/seed/third/600/400",
      "is_default": "1"
    },
    {
      "src": "https://picsum.photos/seed/fourth/600/400",
      "is_default": "1",
```

```
    "attributes": [
      {
        "group": {
          "name": "Size"
        },
        "name": "Small"
      }
    ]
  },
],
"variants": [
  {
    "sku": "9021182-S",
    "stock_level": "5",
    "prices": [
      {
        "currency": "GBP",
        "price": "790",
        "quantity": 1
      }
    ],
    "tax_group": "Taxable Product",
    "attributes": [
      {
        "group": {
          "name": "Size"
        },
        "name": "Small",
        "tags": [
          {
            "group": {
              "name": "Size"
            },
            "name": "Small"
          }
        ]
      }
    ]
  },
],
"stock_buffer": 0,
```

```
    "minimum_quantity": 1,
    "multiples_of": 1
  },
  {
    "sku": "9021182-M",
    "stock_level": "5",
    "prices": [
      {
        "currency": "GBP",
        "price": "790",
        "quantity": 1
      }
    ],
    "tax_group": "Taxable Product",
    "attributes": [
      {
        "group": {
          "name": "Size"
        },
        "name": "Medium",
        "tags": [
          {
            "group": {
              "name": "Size"
            },
            "name": "Medium"
          }
        ]
      }
    ],
    "stock_buffer": 0,
    "minimum_quantity": 1,
    "multiples_of": 1
  },
  {
    "sku": "9021182-L",
    "stock_level": "5",
    "prices": [
      {
```

```
        "currency": "GBP",
        "price": "790",
        "quantity": 1
    }
],
"tax_group": "Taxable Product",
"attributes": [
    {
        "group": {
            "name": "Size"
        },
        "name": "Large",
        "tags": [
            {
                "group": {
                    "name": "Size"
                },
                "name": "Large"
            }
        ]
    }
],
"stock_buffer": 0,
"minimum_quantity": 1,
"multiples_of": 1
},
{
    "sku": "9021182-XL",
    "stock_level": "5",
    "prices": [
        {
            "currency": "GBP",
            "price": "790",
            "quantity": 1
        }
    ],
    "tax_group": "Taxable Product",
    "attributes": [
        {
```

```
        "group": {
            "name": "Size"
        },
        "name": "Extra Large",
        "tags": [
            {
                "group": {
                    "name": "Size"
                },
                "name": "Extra Large"
            }
        ]
    },
    "stock_buffer": 0,
    "minimum_quantity": 1,
    "multiples_of": 1
}
],
"tags": [
    {
        "group": {
            "name": "Colour"
        },
        "name": "Blue"
    }
],
"active": true,
"visible": true,
"hide_when_no_stock": false,
"seo": {
    "heading": "test heading",
    "page_title": "test page title",
    "meta_description": "test meta description",
    "noindex": 0,
    "nofollow": 0
},
"settings": {
    "_": {
```

```
        "no_group": "value"
      },
      "group": {
        "key": "value"
      }
    },
    "additional_attributes": [
      {
        "key": "test_name",
        "value": "test_value"
      }
    ]
  }
}
```

Example Response

```
{
  "product": {
    "id": 1
  }
}
```

Update Product Endpoint

Structure

Product

Name	Type	Description	Required
name	string	The name of the product	No
manufacturer	string	The manufacturer of the product	No
summary	string	The summary of the product	No
description	string	The description of the product	No
active	boolean	Whether the product is active	No
visible	boolean	Whether the product is visible	No
attribute_groups_to_split_by	array	An array of attribute group names to split listings by (e.g., ["Size"])	No
published_at	timestamp	When the product was published	No
images	array	An array of Image objects	No
categories	array	An array of Category objects	No
tags	array	An array of Tag objects	No
variants	array	An array of Variant objects	No
seo	object	A SEO object	No
settings	object	A Settings object with grouped key-value pairs	No
additional_attributes	array	An array of Additional Attribute objects	No
specifications *	array	An array of Specification objects	No

<code>specification_groups</code> *	array	An array of Specification Group objects	No
<code>upsells</code>	array	An array of Upsell objects	No
<code>related_listings</code>	array	An array of Related Listing objects	No

* `specifications` is if using `<1.0.0` version of `aerocargo/specifications`, otherwise use `specification_groups`.

Category

Name	Type	Description	Required
<code>name</code>	string	The category name or breadcrumb (e.g., "Coats" or "Mens > "Coats")	Yes

Variant

Name	Type	Description	Required
<code>sku</code>	string	The unique SKU for the variant to be updated	Yes
<code>reference</code>	string	The unique reference for the variant	No
<code>name</code>	string	Display name of the variant	No
<code>summary</code>	string	A short summary of the variant	No
<code>description</code>	string	A detailed description of the variant	No
<code>barcode</code>	string	The barcode/UPC/EAN of the variant	No
<code>buyable</code>	boolean	Whether the variant can be purchased	No
<code>visible</code>	boolean	Whether the variant is visible in listings	No
<code>shippable</code>	boolean	Whether the variant is shippable	No
<code>discountable</code>	boolean	Whether discounts can be applied to this variant	No
<code>hide_when_no_stock</code>	boolean	Whether the variant should be hidden when out of stock	No

<code>infinite_stock</code>	boolean	Whether the variant has unlimited stock	No
<code>stock_level</code>	int	Current stock level	No
<code>stock_buffer</code>	int	The stock buffer	No
<code>stock_action</code>	string	The stock action (e.g., set, add, remove & multiply). Defaults to set	No
<code>tax_group</code>	string	The tax group applied to the variant	No
<code>minimum_quantity</code>	int	Minimum quantity per purchase	No
<code>maximum_quantity</code>	int	Maximum quantity per purchase	No
<code>multiples_of</code>	int	Purchasable only in multiples of this number	No
<code>weight</code>	float	Weight of the variant	No
<code>weight_unit</code>	string	Unit of weight (e.g., <code>kg</code> , <code>lb</code>)	No
<code>volume</code>	float	Volume of the variant	No
<code>volume_unit</code>	string	Unit of volume (e.g., <code>m^3</code> , <code>cm^3</code>)	No
<code>hs</code>	string	HS (Harmonized System) code for customs	No
<code>origin_country</code>	string	ISO country code of origin (e.g., <code>US</code> , <code>GB</code>)	No
<code>goods_description</code>	string	Description of goods for customs	No
<code>tags</code>	array	An array of Tag objects	No
<code>cost</code>	object	The Cost Price of the variant	No
<code>prices</code>	array	An array of Price objects	No
<code>additional_attributes</code>	array	An array of Additional Attribute objects	No
<code>specifications</code> *	array	An array of Specification objects	No
<code>specification_groups</code> *	array	An array of Specification Group objects	No
<code>upsells</code>	array	An array of Upsell objects	No

Tag

Name	Type	Description	Required
<code>name</code>	string	The name of the tag (e.g., "Small" or "Red")	Yes
<code>group</code>	object	The Tag Group of the tag	Yes

Tag Group

Name	Type	Description	Required
<code>name</code>	string	The name of the tag group (e.g., "Size" or "Colour")	Yes

Image

Name	Type	Description	Required
<code>src</code>	string	The source url of the image	Yes
<code>alt</code>	string	Alt text for accessibility and SEO	No
<code>is_default</code>	boolean	Whether this is a default image	No
<code>position</code>	int	Sort order position of the image	No
<code>attributes</code>	array	An array of Attribute objects that apply to this image	No

Attribute

Name	Type	Description	Required
<code>name</code>	string	The name of the attribute (e.g., "Small" or "Red")	Yes
<code>tags</code>	array	An array of Tag objects linked to the attribute	No
<code>group</code>	object	The Attribute Group of the attribute	Yes

Attribute Group

Name	Type	Description	Required
------	------	-------------	----------

name	string	The name of the attribute group (e.g., "Size", "Colour")	Yes
------	--------	--	-----

Cost Price

Name	Type	Description	Required
amount	float	The cost price including tax	Yes
currency	string	Currency code (defaults to store default if not provided)	No

Price

Name	Type	Description	Required
price	float	The base price including tax	Yes
sale_price	float	The sale price including tax	No
retail_price	float	The retail price including tax	No
quantity	int	Quantity required for this price tier (default: 1)	No
currency	string	Currency code (defaults to store default)	No
start_at	timestamp	When this price becomes active (e.g., 2023-09-01 09:29:41)	No
end_at	timestamp	When this price expires	No
reference	string	The unique reference for the price	No

SEO

Name	Type	Description	Required
heading	string	The SEO Heading	No
page_title	string	The SEO Page Title	No
meta_description	string	The SEO Meta Description	No
canonical	string	The SEO Canonical	No
noindex	boolean	The SEO No Index	No

<code>nofollow</code>	boolean	The SEO No Follow	No
-----------------------	---------	-------------------	----

Settings

Settings are grouped as key-value pairs.

- Use "_" for ungrouped settings.
- Each group contains its own object of key-value pairs.

```
{
  "settings": {
    "_": {
      "no_group": "value"
    },
    "group": {
      "key": "value"
    }
  }
}
```

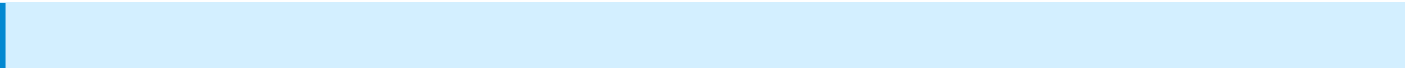
Additional Attribute

Name	Type	Description	Required
<code>key</code>	string	The key of the additional attribute	Yes
<code>value</code>	string	The value of the additional attribute	Yes

Specification

Name	Type	Description	Required
<code>group.name</code>	string	The name of the specification group	Yes
<code>name</code>	string	The name of the specification	*
<code>value</code>	string	The value of the specification	No
<code>media</code>	array	An array of Media objects	*

* At least one must be present.



This is only for `<1.0.0` version of `aerocargo/specifications` . See Specification Group for `1.x` structure.

Specification Group

Name	Type	Description	Required
<code>id</code>	int	The id of the specification group	*
<code>name</code>	string	The name of the specification group	*
<code>fields</code>	array	An array of Field objects	No
<code>media</code>	array	An array of Media objects	No
<code>settings</code>	object	A Settings object with grouped key-value pairs	No

* At least one must be present.

This is only for `>=1.0.0` version of `aerocargo/specifications` . See Specification for `0.x` structure.

Specification Group Field

Name	Type	Description	Required
<code>id</code>	int	The id of the specification group field	*
<code>name</code>	string	The name of the specification group field	*
<code>value</code>	string	The value of the specification group field	No
<code>media</code>	array	An array of Media objects	No
<code>settings</code>	object	A Settings object with grouped key-value pairs	No

* At least one must be present.

Media

Name	Type	Description	Required
------	------	-------------	----------

<code>id</code>	int	The id of the media	*
<code>source</code>	string	The source of the media, e.g. test.png	*

Upsell

Name	Type	Description	Required
<code>group.name</code>	string	The upsell group name	No
<code>attributes</code>	array	An array of Attribute objects that the upsell shows for	No
<code>models</code>	array	And array of models for the upsell	No
<code>skus</code>	array	And array of SKUs for the upsell	No

Related Listing

Name	Type	Description	Required
<code>id</code>	int	The id of the listing	Conditional *
<code>variant_id</code>	int	The id of the variant (of the listing)	Conditional *
<code>sku</code>	string	The SKU of the variant (of the listing)	Conditional *
<code>product_id</code>	int	The id of the product (of the listing)	Conditional *
<code>model</code>	string	The model of the product (of the listing)	Conditional *

* At least one must be present, resolved in the order they are listed top-down.

Example Requests

Update Basic Product Details
PUT /api/products/{id model}
<pre>{ "name": "Detachable Sleeve Puffer Jacket v2", "manufacturer": "Burberry v2",</pre>

```
"summary": "A lightweight puffer with removable sleeves.",
"description": "This updated puffer jacket offers versatility with detachable sleeves,
premium fill, and water-resistant fabric.",
"active": true,
"visible": true
}
```

Add Categories to Product

```
PUT /api/products/{id|model}
```

```
{
  "categories": [
    {
      "name": "Mens > Jackets",
    },
    {
      "name": "Winter Collection"
    }
  ]
}
```

Add Tags to Product

```
PUT /api/products/{id|model}
```

```
{
  "tags": [
    {
      "group": {
        "name": "Colour"
      },
      "name": "Indigo"
    },
    {
      "group": {
        "name": "Season"
      }
    }
  ]
}
```

```
    },
    "name": "Winter 2023"
  }
]
}
```

Update Variant by Sku

PUT /api/products/{id|model}

```
{
  "variants": [
    {
      "sku": "9021182-S",
      "stock_level": 50,
      "buyable": true,
      "tags": [
        {
          "group": {
            "name": "Style"
          },
          "name": "Casual"
        }
      ],
      "prices": [
        {
          "price": 199.99,
          "sale_price": 179.99,
          "currency": "GBP"
        }
      ],
      "cost": {
        "amount": 350,
        "currency": "GBP"
      }
    }
  ]
}
```

Update Images

PUT /api/products/{id|model}

```
{
  "images": [
    {
      "src": "https://picsum.photos/seed/front/600/400",
      "alt": "Front view of detachable sleeve puffer jacket",
      "is_default": true,
      "position": 1
    },
    {
      "src": "https://picsum.photos/seed/back/600/400",
      "alt": "Back view of detachable sleeve puffer jacket",
      "position": 2
    }
  ]
}
```

Update Product SEO & Settings

PUT /api/products/{id|model}

```
{
  "seo": {
    "heading": "Detachable Sleeve Puffer Jacket",
    "page_title": "Men's Detachable Sleeve Puffer Jacket | Burberry",
    "meta_description": "Shop the Burberry detachable sleeve puffer jacket – versatile winterwear with premium fill and removable sleeves.",
    "canonical": "https://shop.example.com/mens/detachable-sleeve-puffer",
    "noindex": false,
    "nofollow": false
  },
  "settings": {
    "_": {
      "featured": "true"
    }
  },
}
```

```
    "shipping": {
      "oversized": "false"
    }
  }
}
```

You can use `PUT /api/products?model=model` if your model is numeric and might clash with an `id`.

Example Response

```
{
  "product": {
    "id": 1
  }
}
```