Products

- Product Index Endpoint
- Product Search Endpoint
- View Product Endpoint
- Create Product Endpoint
- Update Product Endpoint

Product Index Endpoint

Structure

See View Product Endpoint for the structure of the order payload inside the data array.

Scopes

Name	Description	Example
`active`	Only return active products	`?scope=active`
`inactive`	Only return inactive products	`?scope=inactive`
`visible`	Only return visible products	`?scope=visible`
`hidden`	Only return hidden products	`?scope=hidden`
`published`	Only return published products	`?scope=published`
`unpublished`	Only return unpublished products	`?scope=unpublished`
`scheduled`	Only return scheduled to be published products	`?scope=scheduled`

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

>

> 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
`active`	Only return active products	`?scope=active`
`inactive`	Only return inactive products	`?scope=inactive`
`visible`	Only return visible products	`?scope=visible`
`hidden`	Only return hidden products	`?scope=hidden`
`categorised`	Only return products that are in a category	`?scope=categorised`
`un-categorised`	Only return products that aren't in a category	`?scope=un-categorised`
`published`	Only return published products	`?scope=published`
`unpublished`	Only return unpublished products	`?scope=unpublished`
`scheduled`	Only return scheduled to be published products	`?scope=scheduled`
`has-stock`	Only return products that have stock	`?scope=has-stock`
`out-of-stock`	Only return products that don't have stock	`?scope=out-of-stock`

`not-tracking-stock`	Only return products that aren't tracking stock	`?scope=not-tracking-stock`
`reduced`	Only return reduced products	`?scope=reduced`
`not-reduced`	Only return non-reduced products	`?scope=not-reduced`
`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	
`model`	string	The **unique** model identifier for the product	
`name`	string	The display name of the product	
`manufacturer`	object	The Manufacturer object (null when none)	
`summary`	string	A short summary of the product	
`description`	string	A detailed description of the product	
`active`	boolean	Whether the product is active (available for purchase)	
`visible`	boolean	Whether the product is visible in the storefront	
`vanity_slug`	boolean	Whether the product has a vanity slug	No
`slug`	string	The slug for the product	No
`attribute_groups_to_split_by`	?array	The attribute groups to split listings by (null when none)	
`published_at`	timestamp	When the product was published	
`images`	array	An array of Image objects	
`categories`	array	An array of Category objects	

`tags`	array	An array of Tag objects	
`variants`	array	An array of Variant objects	
`seo`	object	A SEO object	
`settings`	object	A Settings object with grouped key-value pairs	
`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	
`related_listings`	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
`id`	int	The id of the manufacturer
`name`	string	The name of the manufacturer

Image

Name	Type	Description
`url`	string	The url of the image
`default`	bool	Whether the image is default
`attributes`	array	An array of Attribute objects
`position`	int	The sort order position of the image

Category

Name	Type	Description
`id`	int	The id of the category
`name`	string	The name of the category (e.g., Coats)
`breadcrumb`	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., `kg`, `lb`)
`volume`	float	Volume of the variant
`volume_unit`	string	Unit of volume (e.g., `m^3`, `cm^3`)
`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., `US`, `GB`)
`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
`id`	int	The id of the tag
`name`	string	The name of the tag
`reference`	string	The reference of the tag
`group`	object	The Tag Group object

Tag 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

Cost Price

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

Price

Name	Type	Description
`id`	int	The id of the price
`currency`	string	The currency code for the price
`quantity`	int	The quantity required for the price to be detected/applied
`value.amount`	float	The normal price **excluding tax**
`value.tax`	float	The tax for the normal price
`sale_value.amount`	float	The sale price **excluding tax**
`sale_value.tax`	float	The tax for the sale price
`retail_value.amount`	float	The retail price **excluding tax**
`retail_value.tax`	float	The tax for the retail price
`start_at`	timestamp	The start date for when the price is active
`end_at`	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
`variants.*.sku`	string	The sku of the variants linked to the listing
`sort`	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
`vanity_slug`	boolean	Whether the product has a vanity slug	No
`slug`	string	The slug for the product	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
`additional_attributes`	array	An array of Additional Attribute objects	No
`specifications` `*`	array	An array of Specification objects	No
`specification_groups` `*`	array	An array of Specification Group objects	No
`upsells`	array	An array of Upsell objects	No
`related_listings`	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
`name`	string	The category name or breadcrumb (e.g., "Coats" or "Mens > "Coats")	Yes

Variant

Name	Type	Description	Required
`id`	int	The id for the variant	No
`sku`	string	The **unique** SKU for the variant	Yes
`reference`	string	The **unique** reference for the variant	No
`name`	string	Display name of the variant	No

`summary`	string	A short summary of the variant	No
`description`	string	A detailed description of the variant	No
`barcode`	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., `kg`, `lb`)	No
`volume`	float	Volume of the variant	No

`volume_unit`	string	Unit of volume (e.g., `m^3`, `cm^3`)	No
`hs`	string	HS (Harmonized System) code for customs	No
`origin_country`	string	ISO country code of origin (e.g., `US`, `GB`)	No
`goods_description`	string	Description of goods for customs	No
`attributes`	array	An array of Attribute objects	If product has variants
`tags`	array	An array of Tag objects	No
`cost`	object	The Cost Price of the variant	No
`prices`	array	An array of Price objects	Yes
`additional_attributes`	array	An array of Additional Attribute objects	No
`specifications` `*`	array	An array of Specification objects	No
`specification_groups` `*`	array	An array of Specification Group objects	No
`upsells`	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
`name`	string	The name of the attribute (e.g., "Small" or "Red")	Yes
`tags`	array	An array of Tag objects linked to the attribute	No
`group`	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

Tag

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

Tag Group

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

Image

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

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
`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, futhermore 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
`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	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.

Media

Name	Type	Description	Required
`id`	int	The id of the media	`*`
`source`	string	The source of the media, e.g. test.png	`*`

`*` At least one must be present.

Upsell

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

Related Listing

Name	Type	Description	Required
`id`	int	The id of the listing	Conditional `*`
`variant_id`	int	The id of the variant (of the listing)	Conditional `*`
`sku`	string	The SKU of the variant (of the listing)	Conditional `*`
`product_id`	int	The id of the product (of the listing)	Conditional `*`
`model`	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
`vanity_slug`	boolean	Whether the product has a vanity slug	No
`slug`	string	The slug for the product	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
`specification_groups` `*`	array	An array of Specification Group objects	No
`upsells`	array	An array of Upsell objects	No
`related_listings`	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
`name`	string	The category name or breadcrumb (e.g., "Coats" or "Mens > "Coats")	Yes

Variant

Name	Type	Description	Required
`sku`	string	The **unique** SKU for the variant to be updated	Yes
`reference`	string	The **unique** reference for the variant	No
`name`	string	Display name of the variant	No
`summary`	string	A short summary of the variant	No
`description`	string	A detailed description of the variant	No
`barcode`	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
`stock_action`	string	The stock action (e.g., set, add, remove & multiply). Defaults to set	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., `kg`, `lb`)	No
`volume`	float	Volume of the variant	No
`volume_unit`	string	Unit of volume (e.g., `m^3`, `cm^3`)	No
`hs`	string	HS (Harmonized System) code for customs	No
`origin_country`	string	ISO country code of origin (e.g., `US`, `GB`)	No
`goods_description`	string	Description of goods for customs	No
`tags`	array	An array of Tag objects	No
`cost`	object	The Cost Price of the variant	No
`prices`	array	An array of Price objects	No

`additional_attributes`	array	An array of Additional Attribute objects	No
`specifications` *	array	An array of Specification objects	No
`specification_groups` *	array	An array of Specification Group objects	No
`upsells`	array	An array of Upsell objects	No

Tag

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

Tag Group

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

Image

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

Attribute

Name	Type	Description	Required
`name`	string	The name of the attribute (e.g., "Small" or "Red")	Yes
`tags`	array	An array of Tag objects linked to the attribute	No
`group`	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
`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.

> 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	No
`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
`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	No
`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.

Media

Name	Type	Description	Required
`id`	int	The id of the media	`*`
`source`	string	The source of the media, e.g. test.png	`*`

Upsell

Name	Type	Description	Required
`group.name`	string	The upsell group name	No
`attributes`	array	An array of Attribute objects that the upsell shows for	No

`models`	array	And array of models for the upsell	No
`skus`	array	And array of SKUs for the upsell	No

Related Listing

Name	Type	Description	Required
`id`	int	The id of the listing	Conditional `*`
`variant_id`	int	The id of the variant (of the listing)	Conditional `*`
`sku`	string	The SKU of the variant (of the listing)	Conditional `*`
`product_id`	int	The id of the product (of the listing)	Conditional `*`
`model`	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}
```

```
{
    "name": "Detachable Sleeve Puffer Jacket v2",
    "manufacturer": "Burberry v2",
    "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
    }
}
```