

Variants

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Create Variant Endpoint

Structure

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., <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
goods_description	string	Description of goods for customs	No
attributes	array	An array of Attribute objects	Yes
tags	array	An array of Tag objects	No
images	array	An array of Image 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
<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
<code>retail_price</code>	float	The retail price including tax	No
<code>quantity</code>	int	Quantity required for this price tier (default: 1)	No
<code>currency</code>	string	Currency code (defaults to store default)	No
<code>start_at</code>	timestamp	When this price becomes active (e.g., 2023-09-01 09:29:41)	No
<code>end_at</code>	timestamp	When this price expires	No
<code>reference</code>	string	The unique reference for the price	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
<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	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.

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

settings	object	A Settings object with grouped key-value pairs	No
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* 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

Example Request

```
POST /api/products/{id|model}/variants
```

```
POST /api/products/variants?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 Response

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

Update Variant Endpoint

Structure

Variant

Name	Type	Description	Required
<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
<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>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>attributes</code>	array	An array of Attribute objects	Yes
<code>tags</code>	array	An array of Tag objects	No
<code>images</code>	array	An array of Image 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
<code>retail_price</code>	float	The retail price including tax	No
<code>quantity</code>	int	Quantity required for this price tier (default: 1)	No
<code>currency</code>	string	Currency code (defaults to store default)	No
<code>start_at</code>	timestamp	When this price becomes active (e.g., 2023-09-01 09:29:41)	No
<code>end_at</code>	timestamp	When this price expires	No
<code>reference</code>	string	The unique reference for the price	No

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```
{
  "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.

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Name	Type	Description	Required
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<code>media</code>	array	An array of Media objects	No
<code>settings</code>	object	A Settings object with grouped key-value pairs	No

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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

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

Example Request

Update Basic Variant Details

PUT /api/products/{id|model}/variants/{id|sku}

```
{
  "stock_level": 50,
  "buyable": true,
```

```
"prices": [  
  {  
    "price": 199.99,  
    "sale_price": 179.99,  
    "currency": "GBP"  
  }  
,  
  "cost": {  
    "amount": 350,  
    "currency": "GBP"  
  }  
}
```

Add Tags to Variant

PUT /api/products/{id|model}/variants/{id|sku}

```
{  
  "tags": [  
    {  
      "group": {  
        "name": "Size"  
      },  
      "name": "Small"  
    },  
    {  
      "group": {  
        "name": "Style"  
      },  
      "name": "Casual"  
    }  
  ]  
}
```

Add Images to Variant

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

```
{
  "images": [
    {
      "src": "https://picsum.photos/seed/puffer-s/600/400",
      "alt": "Small size jacket, front view",
      "is_default": true,
      "position": 1,
      "attributes": [
        {
          "name": "Small",
          "group": {
            "name": "Size"
          }
        }
      ]
    }
  ]
}
```

Variant images must include at least one attribute, and each attribute must exactly match one of the variant's attributes.

Add Additional Attributes to Variant

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

```
{
  "additional_attributes": [
    {
      "key": "material",
      "value": "100% leather"
    },
    {
      "key": "lining",
```

```
      "value": "Polyester"
    }
  ]
}
```

Example Response

```
{
  "variant": {
    "id": 1
  }
}
```