



INTRODUCTION

Authentication
JSON
Errors
Validation Errors
Pagination / Sorting
Testing / Development

REFERENCE

Billing
Campaigns
Items
Orders
Order Sources
Reports
Shipping Methods
Webhooks

Amplifier® API

INTRODUCTION

Use of our API requires an existing Amplifier® account. To sign up, visit our [website](#).

Authentication

All requests to the API must be made via HTTPS and authenticated using HTTP Basic Authentication. Your API key is the username, and the password can be left blank. Any requests made over plain HTTP or that are unauthenticated will fail.

Alternatively, you may include your API key in an `?auth_token` query string parameter for your requests.

JSON

All communication with the API should be done using JSON. We highly recommend the use of a JSON library to handle the creation of requests to ensure that they are valid JSON - properly escaped, correct use of quotations, etc...

Errors

Standard HTTP response codes are used to indicate success or failure of an API request:

- **200 OK** - Success
- **400 Bad Request** - invalid request or missing a required request parameter
- **401 Unauthorized** - invalid API key supplied
- **404 Not Found** - resource does not exist
- **500 Server error** - something went wrong on our end

Validation Errors

If a request is invalid (missing required attributes, etc...) you will receive a `400 Bad Request` response along with additional information as shown here:

`HTTP/1.1 400 Bad Request Content-Type: application/json`

```
{  
    "message": "Invalid request",  
    "errors": [  
        {  
            "name": "sku",  
            "value": "",  
            "message": "'sku' should not be empty."  
        }  
    ]  
}
```

Pagination / Sorting

Requests that return multiple items will be paginated to 50 items by default. You can specify further pages with the `?page` querystring parameter. If you want to change the number of items returned per page you can include the `?per_page` parameter. If available, sorting is dictated by the `?sort_by` parameter which can be set to the name of an attribute. Changing the sort direction is accomplished by setting the `?sort_direction` parameter to `asc` or `desc`. The ability to sort and what attributes are available to sort by is defined per endpoint - please refer to the documentation for further information.

NOTE: in the current version of the API the exception to this rule are the Shipment and Current Inventory report endpoints. These endpoints do not support pagination, and will return all data available at the time of each request. Future versions of the API may incorporate pagination into these endpoints.

Testing / Development

In order to facilitate testing and development, you can create one or more **Sandbox** API keys in your account and use those to interact with the API.

All API requests will operate normally while in Sandbox Mode, with the exception

of the following:

- **Create Order** - when creating orders with a sandbox key they will **not** be posted to our downstream systems for processing and fulfillment. This allows you to test out the API without incurring charges for activity performed as a result of orders being placed.
- **Shipment Report** - orders created with a sandbox key will be available via the Shipment Report. The original order information submitted in those calls will be reflected in the output of this report, with the exception of the `shipment_id`, `shipment_date`, and `tracking_number` values - those will be populated with fake data. In order to retrieve shipments for your sandbox orders simply query using the `order_date` you specified when creating the orders originally as the date parameter when calling the report. **NOTE:** the generated fake values for `shipment_id` and `tracking_number` will be unique for a given date to facilitate testing advanced scenarios such as calling the report multiple times a day and capturing only those shipments you haven't already seen.

REFERENCE

Billing

Invoices

- [List Invoices](#)
- [Get Invoice CSV](#)
- [Get Invoice PDF](#)

Campaigns

Campaigns

- [Get Campaign](#)
- [List Campaigns](#)

Offers

- [Create Offer](#)
- [Get Offer](#)
- [List Offers](#)
- [Revoke Offer](#)

Items

Attributes

The Item resource has the following attributes:

Name	Type	Required	Description
id	String	No	Internal identifier generated by Amplifier
sku	String	Yes	Item SKU - must be unique across all items in your catalog

name	String	Yes	Item name - must be unique across all items in your catalog, max length 80
description	String	No	Item description - max length 3000
upc	String	No	Item UPC code - optional - max length 50
category	String	Yes	Item category - must be a standard category
cost	Decimal	Yes	Dollar amount zero or greater
retail_price	Decimal	Yes	Dollar amount zero or greater
style	String	No	Item style - max length 50
color	String	No	Item color - max length 50
size	String	No	Item size - max length 50
weight	Decimal	No	Number zero or greater (decimal pounds)
height	Decimal	No	Number zero or greater (decimal inches)
length	Decimal	No	Number zero or greater (decimal inches)
width	Decimal	No	Number zero or greater (decimal inches)
backorderable	Boolean	No	Whether or not an item is backorderable (default: false)
discontinued	Boolean	No	Whether or not an item is discontinued (default: false) (NOTE: if we have shipped an item for you in the past, and you are no longer selling the item please set this to true. If you would like to get rid of an item from your catalog entirely - for example a mistaken addition, etc... you may close the item by making a <code>DELETE</code> request to <code>/items/:id</code>)
ship_separately	Boolean	No	Whether or not to ship an item separately from other items (default: false)
group_ship	Boolean	No	Whether or not to group ship an item
country_of_origin	String	Yes	Item Country of Origin - two character, ISO_3166-1_alpha-2 code
hts_code	String	No	Item Harmonized Tariff Schedule (HTS) code - max length 10
low_stock_quantity	Number	No	Item low stock quantity - zero or greater
safety_stock_quantity	Number	No	Item safety stock quantity - zero or greater (NOTE: if you do not set this it will default to a value of 3)
do_not_ship_until_date	Date	No	Item ship date
pre_sale_start_date	Date	No	Item pre-sale start date
pre_sale_end_date	Date	No	Item pre-sale end date - must be after the pre-sale start date if specified
returnable	Boolean	No	Whether or not the item may be returned (default: false)
return_period	Number	No	Number of days from the ship date that the item may be returned (default: 30)
return_policy_description	String	No	Return policy custom message

Create Item

Create an Item

Create Item

List / Search

List or search all items.

List Items

Retrieve an Item

Retrieve a single item object with all its details.

Retrieve an Item

Orders

IMPORTANT: Unicode characters in order data are not supported due to third party service providers that only support Latin characters

Order Attributes

The Order resource has the following attributes:

Name	Type	Required	Description
order_source_code	String	Yes	The order source code that Amplifier supplies that identifies the source of your order
order_id	String	Yes	Your order ID, max length 50 characters
order_date	Date	Yes	The date of the order in ISO 8601 format including time zone information. If time zone indicators are omitted then the date will be stored as Central Time (CST).
order_type	String	No	Optional - the order type (allowed values: "B2B", "Promo")
billing_info	Billing Address	Yes	Order billing address (see the Billing Address resource definition below for details)
shipping_info	Shipping Address	Yes	Order shipping address (see the Shipping Address resource definition below for details)
shipping_method	String	Yes	Shipping method name, max length 255
allow_partial_shipment	Boolean	No	Whether to allow partial shipment of this order (default: false)
packing_slip_message	String	No	Optional message (text-only - HTML not supported) that you'd like to include on the packing slip. 2000 character limit
hold_until_date	Date	No	Optional date to hold the order until before it is released for shipping
currency_code	String	No	Optional currency code, defaults to USD if not

			specified
total_amount	Decimal	No	Optional order total amount
subtotal_amount	Decimal	No	Optional order subtotal amount
discount_amount	Decimal	No	Optional order discount amount
tax_amount	Decimal	No	Optional order tax amount
shipping_amount	Decimal	No	Optional order shipping amount
validate_skus	Boolean	No	Optional - by default only valid SKUs from your catalog are accepted - please contact us for more information about disabling this feature (default: true)
line_items	Array	Yes	Array of order line items - at least one is required. (see the Order Line Item resource definition below for details)

Billing Address Attributes

The Billing Address resource has the following attributes:

Name	Type	Required	Description
first_name	String	Yes / No	Required if name or company name not specified. First name for the address, max length 30
last_name	String	Yes / No	Required if name or company name not specified. Last name for the address, max length 30
name	String	Yes / No	Required if first and last name or company name not specified. Full name for the address, max length 80
company_name	String	No	Required if name not specified. Company name for the address, max length 50
address1	String	Yes	Address line 1, max length 80
address2	String	No	Optional address line 2, max length 80
address3	String	No	Optional address line 3, max length 80
city	String	Yes	City for the address, max length 50
state	String	No	State for the address, 2-character ISO 3166-2 state code required when the country is US or CA, optional or max length of 50 otherwise
postal_code	String	Yes	Postal code for the address, max length 50
country_code	String	Yes	Country code for the address, must be a valid 2-character, ISO 3166-1 alpha-2 code
phone	String	No	Phone number for the address, max length 25
email	String	No	Optional email for the address, max length 80

Shipping Address Attributes

The Shipping Address resource has the following attributes:

Name	Type	Required	Description
first_name	String	Yes / No	Required if name not specified. First name for the address, max length 30
last_name	String	Yes / No	Required if name not specified. Last name for the address, max length 30
name	String	Yes / No	Required if first and last name not specified. Full name for the address, max length 80
company_name	String	No	Optional company name for the address, max length 50

address1	String	Yes	Address line 1, max length 80
address2	String	No	Optional address line 2, max length 80
address3	String	No	Optional address line 3, max length 80
city	String	Yes	City for the address, max length 50
state	String	No	State for the address, 2-character ISO 3166-2 state code required when the country is US or CA, optional or max length of 50 otherwise
postal_code	String	Yes	Postal code for the address, max length 50
country_code	String	Yes	Country code for the address, must be a valid 2-character, ISO 3166-1 alpha-2 code
phone	String	No	Phone number for the address, max length 25
email	String	No	Optional email for the address, max length 80
residential	Boolean	No	Optional flag to indicate whether the address is residential, defaults to true if not specified

Order Line Item Attributes

The Order Line Item resource has the following attributes:

Name	Type	Required	Description
reference_id	String	No	Optional reference ID for the line item, max length 50
sku	String	Yes	Line item SKU, max length 50
description	String	Yes	Line item description, max length 255
quantity	Number	Yes	Line item quantity, greater than zero
unit_price	Decimal	No	Line item unit price
assets	Array	No	Array of order line item assets - at least one is required. (see the Order Line Item Asset resource definition below for details)

Order Line Item Asset Attributes

Please contact us for more information on enabling this feature for your account.
The Order Line Item Asset resource has the following attributes:

Name	Type	Required	Description
url	String	Yes	Image URL, properly escaped and encoded, max length 2000 characters - NOTE: if the URL is not publicly accessible then please provide Amplifier with the appropriate means to access it

Create Order

Create an Order

Create Order

List / Search

List or search orders.

List Orders

Retrieve an Order

Retrieve a single Order object with all its details.

Retrieve an Order

Order Sources

Order Sources

List Order Sources

Get Order Source

Create Order Source

Delete Order Source

Reports

NOTE: report endpoints do not currently support pagination and will return all data that is available at the time of each request.

Shipments

Get Shipments By Ship Date

Retrieve a report of shipments by ship date.

Inventory

Get Current Inventory

Get report of current inventory available for all items in your catalog.

Shipping Methods

Please refer to this list for shipping methods to use when creating orders.

NOTE: if you are using webhooks the events you receive will include the same identifiers.

Webhooks

Use webhooks to be notified of events that happen in your account. The events are sent as an HTTP POST to the URL of your choosing as JSON. Any timestamps included in the event details or the payload will be in UTC.

- Example Payloads

order.received

```
{  
  "id": "163882cc-2fc8-4840-83d2-6e96136817f5",  
  "type": "order.received",  
  "timestamp": "2018-04-10T16:51:05.463",  
  "data": {  
    "id": "7de7ed1-8ff57-4e64-9864-00938bd1a50b",  
    "reference_id": "TEST-123",  
    "order_source": "test-orders"  
  }  
}
```

```
}

order.shipped

{
  "id": "896af072-a4cf-4c03-ad23-1ad4ee2aabb5",
  "type": "order.shipped",
  "timestamp": "2018-04-10T18:23:01.643",
  "data": {
    "id": "1cd6852b-8219-4fa0-b242-2334e97f6aa5",
    "reference_id": "176",
    "method": "UPS Ground",
    "tracking_number": "1ZT283T6YW75570771",
    "date": "2018-04-10T18:21:05.784",
    "items": [
      {
        "sku": "ABC001",
        "description": "Sample Item",
        "quantity": 1
      }
    ]
  }
}
```

We consider anything in the **2xx** response range to be a successful attempt. If you return anything other than that, or the request times out after 60 seconds then we will retry later, up to 10 times. Intervals between attempts are based on increasing exponential back-off multiplier in seconds.

It is recommended that you return a response to us as quickly as possible and perform any actions that may result from the event occurring separately so as to ensure the timely delivery of events to your endpoints.

Webhooks

- [Create Webhook](#)
- [Delete Webhook](#)
- [Get Webhook](#)
- [List Webhooks](#)

[Switch to Example](#)

Billing / Invoices / List Invoices

Console calls are routed via Apiary

[Use browser](#)

GET https://api.amplifier.com/billing/invoices/?start_date=&end_date=&page=&per_page=

URI Parameters

[Headers](#)[Body](#)[Reset V](#)

✓ null

✓ null

✓ null

✓ null

+ Add a new query parameter

[Show Code Example](#)[Production](#)[Call Resource](#)

You haven't made any call yet. To see the diff, please make a call.

[Switch to Example](#)

Billing / Invoices / Get Invoice CSV

Console calls are routed via Apiary

[Use browser](#)

GET <https://api.amplifier.com/billing/invoices//csv>

URI Parameters

[Headers](#)[Body](#)[Reset Values](#)

[invoice_number](#)

null

[+ Add a new query parameter](#)

[Show Code Example](#)[Production](#)[Call Resource](#)

You haven't made any call yet. To see the diff, please make a call.

[Switch to Example](#)

Billing / Invoices / Get Invoice PDF

Console calls are routed via Apiary

[Use browser](#)

GET <https://api.amplifier.com/billing/invoices//pdf>

URI Parameters Headers Body

[Reset Value](#)

invoice_number null

[+ Add a new query parameter](#)

Show Code Example

Production



Call Resource

You haven't made any call yet. To see the diff, please make a call.



Switch to Example

Items / List / Search / List Items

Console calls are routed via Apiary

Use browser

**GET** <https://api.amplifier.com/items/>**URI Parameters**[Headers](#)[Body](#)[Reset Values](#) query

null

 sku

null

 name

null

 discontinued

null

 [Add a new query parameter](#)[Show Code Example](#)

Production



Call Resource

[Switch to Example](#)

Items / Retrieve an Item / Retrieve an Item

Console calls are routed via Apiary

[Use browser](#)

GET <https://api.amplifier.com/items/83ea7daadc1d435ca9aad8a9e42811c5>

URI Parameters Headers Body

[Reset Values](#)

id

83ea7daadc1d435ca9aad8a9e42811c5

Add a new query parameter

Show Code Example

Production



Call Resource

You haven't made any call yet. To see the diff, please make a call.

[Switch to Example](#)

Order Sources / Order Sources / List Order Sources

Console calls are routed via Apiary

[Use browser](#)

GET https://api.amplifier.com/order-sources/?page=&per_page=&sort_by=&sort_direction=

URI Parameters

Headers Body

Reset Values

page

null

per_page

null

sort_by

null

sort_direction

null

Add a new query parameter

Show Code Example

Production



Call Resource

[Switch to Example](#)

Order Sources / Order Sources / Get Order Source

Console calls are routed via Apiary

[Use browser](#)

GET <https://api.amplifier.com/order-sources/>

URI Parameters Headers Body

[Reset Values](#)

null

- Add a new query parameter

[Show Code Example](#)[Production](#)[Call Resource](#)

[Switch to Example](#)

Order Sources / Order Sources / Create Order Source

Console calls are routed via Apiary

[Use browser](#)

POST <https://api.amplifier.com/order-sources>

URI Parameters

Headers

Body

Reset Values

+ Add a new query parameter

Show Code Example

Production

Call Resource

You haven't made any call yet. To see the diff, please make a call.

[Switch to Example](#)

Order Sources / Order Sources / Delete Order Source

Console calls are routed via Apiary

[Use browser](#)

DELETE <https://api.amplifier.com/order-sources/id>

URI Parameters Headers Body

[Reset Values](#)

+ Add a new query parameter

[Show Code Example](#)[Production](#)[Call Resource](#)

You haven't made any call yet. To see the diff, please make a call.

[Switch to Example](#)

Reports / Shipments / Get Shipments By Ship Date

Console calls are routed via Apiary

[Use browser](#)

GET <https://api.amplifier.com/reports/shipments/20140620>

URI Parameters Headers Body

[Reset Values](#)

date

20140620

Show Code Example

Production



Call Resource

You haven't made any call yet. To see the diff, please make a call.

[Switch to Example](#)

Reports / Inventory / Get Current Inventory

Console calls are routed via Apiary

[Use browser](#)

GET <https://api.amplifier.com/reports/inventory/current>

URI Parameters [Headers](#) [Body](#)

[Reset Values](#)

[Add a new query parameter](#)

[Show Code Example](#)

Production

Call Resource

You haven't made any call yet. To see the diff, please make a call.

[Switch to Example](#)

Webhooks / Webhooks / Create Webhook

Console calls are routed via Apiary

[Use browser](#)

POST <https://api.amplifier.com/webhooks>

URI Parameters [Headers](#) [Body](#)

[Reset Values](#)

Add a new query parameter

[Show Code Example](#)

Production

Call Resource

You haven't made any call yet. To see the diff, please make a call.

[Switch to Example](#)

Webhooks / Webhooks / Delete Webhook

Console calls are routed via Apiary

[Use browser](#)

DELETE <https://api.amplifier.com/webhooks/>

URI Parameters Headers Body

[Reset View](#)

webhook_id

null

[+ Add a new query parameter](#)

Show Code Example

Production



Call Resource

You haven't made any call yet. To see the diff, please make a call.

[Switch to Example](#)

Webhooks / Webhooks / Get Webhook

Console calls are routed via Apiary

[Use browser](#)

GET <https://api.amplifier.com/webhooks/>

URI Parameters Headers Body

[Reset Values](#)

webhook_id null

[Add a new query parameter](#)

[Show Code Example](#)

Production

Call Resource

You haven't made any call yet. To see the diff, please make a call.

[Switch to Example](#)

Webhooks / Webhooks / List Webhooks

Console calls are routed via Apiary

[Use browser](#)

GET https://api.amplifier.com/webhooks/?page=&per_page=&sort_by=&sort_direction=

URI Parameters

Headers Body

Reset Values

<input checked="" type="checkbox"/> page	null
<input checked="" type="checkbox"/> per_page	null
<input checked="" type="checkbox"/> sort_by	null
<input checked="" type="checkbox"/> sort_direction	null
+ Add a new query parameter	

Show Code Example

Production



Call Resource

You haven't made any call yet. To see the diff, please make a call.