



BorderGuru RESTful webservice

API documentation

BorderGuru GmbH

Version 2.3

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Definition of terms

Definitions	
Name	Description
BorderGuru	International E-commerce Fulfilment Service Provider (us)
Merchant	Retailer (Web shop that will use the API)
Customer	End customer that actually buys products online from the Merchant

Introduction

The purpose of this document is to provide technical information required to make web service calls between the BorderGuru API and the Merchant.

BorderGuru

BorderGuru offers an international shipping fulfillment service to merchants. Merchants can use this service to sell their products to customers internationally as easily as domestically without having the expertise of customs, carriers and taxes in the target markets.

API Reference

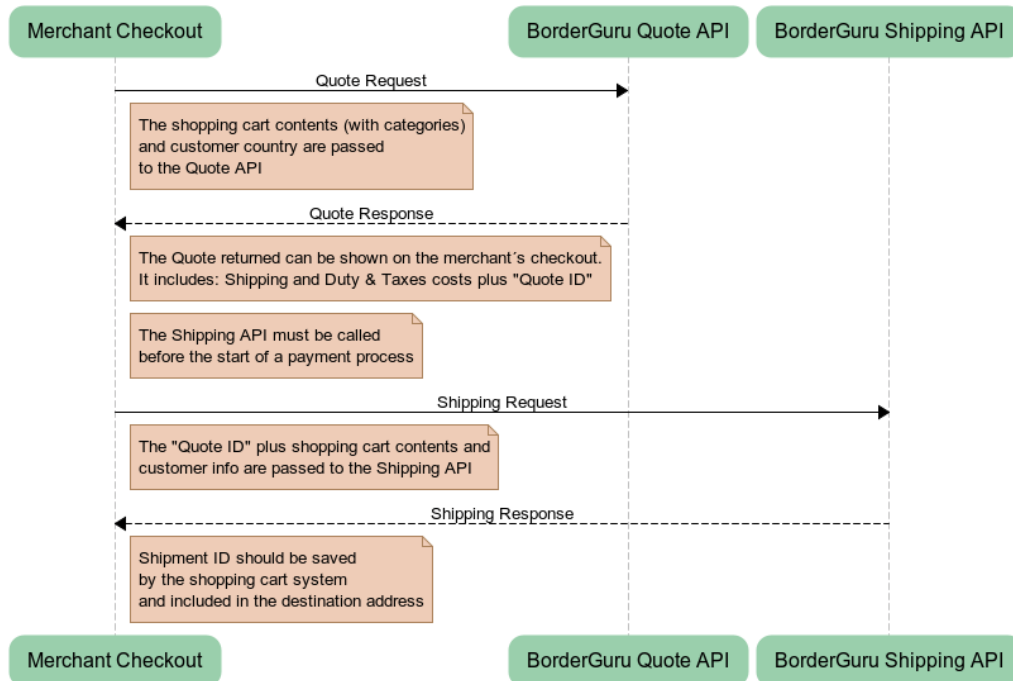
The BorderGuru API is organized around REST. JSON will be returned in all responses from the API. To be able to use BorderGuru API, merchant needs a secret access key that will be provided by BorderGuru.

Methods

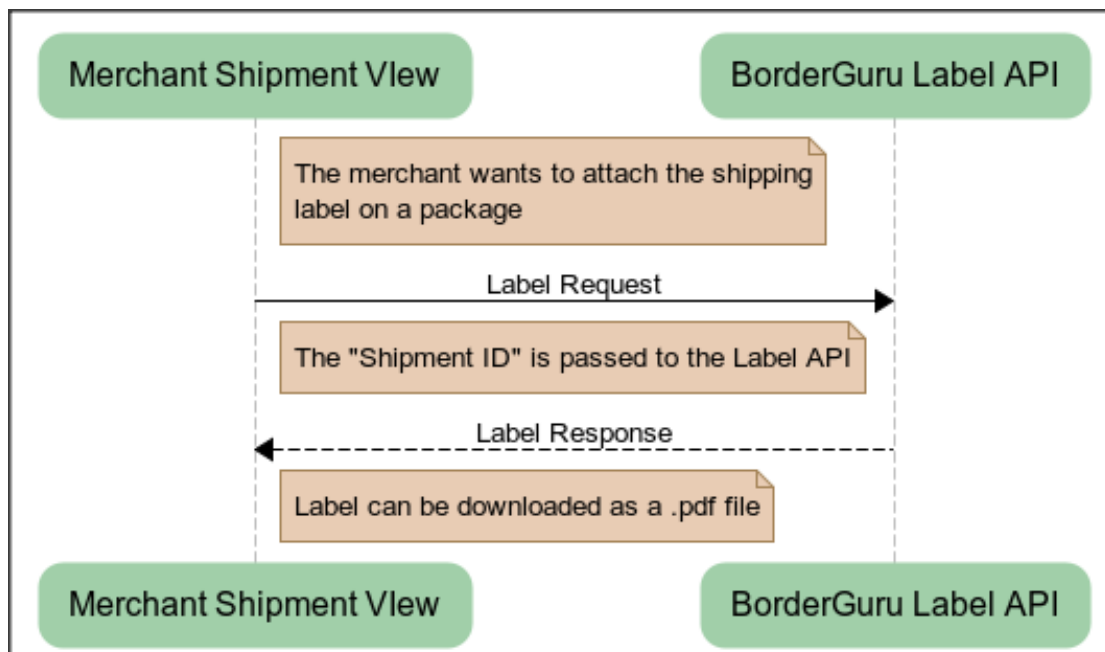
To integrate with BorderGuru, Merchant can integrate with the following:

- BorderGuru Quote API
 - Method: POST
 - Path: api/quotes/calculate
- BorderGuru Shipping API
 - Method: POST
 - Path: api/shipping
- BorderGuru Label API
 - Method: GET
 - Path: api/orders/label/:id
- BorderGuru OrderCancel API
 - Method: POST
 - Path: api/orders/cancelOrder/:merchantId/:id
- BorderGuru TrackingStatus API
 - Method: POST
 - Path: api/orders/trackingStatus/:merchantId/:id
- BorderGuru PaymentStatus API
 - Method: POST
 - Path: defined by merchant

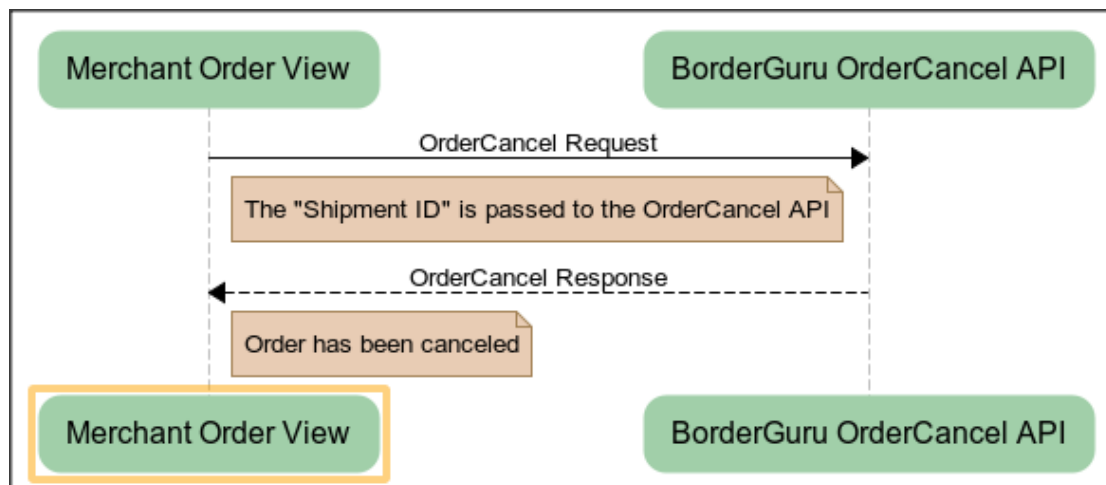
To have a more detailed idea about the checkout please see a following Sequence Diagram.



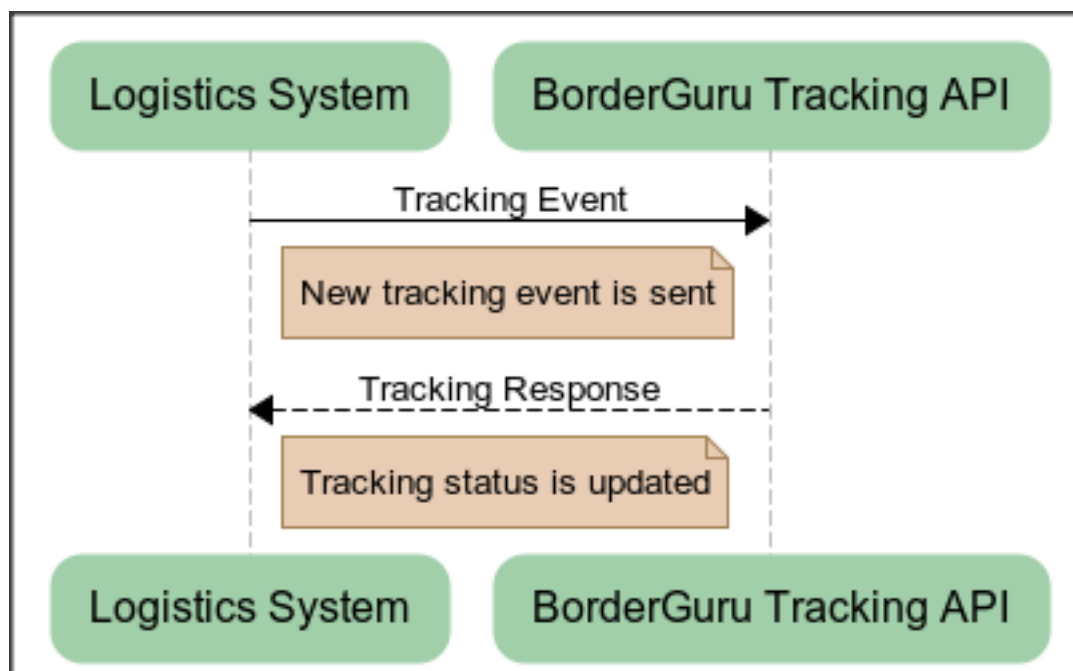
To have a more detailed idea about creating labels please see a following Sequence Diagram. The usage of this API depends on a merchant.



To have a more detailed idea about canceling orders please see a following Sequence Diagram. The usage of this API depends on a merchant.



To have a more detailed idea about Tracking API please see a following Sequence Diagram. The usage of this API depends on a merchant.



Authentication

What the developer needs to do:

- Construct a request to BorderGuru
- Calculate the signature using the secret access key of the merchant
- Send the request to BorderGuru. Include the access key ID and the signature in the request of the merchant

For detailed documentation about OAuth, please see the following links:

- <http://en.wikipedia.org/wiki/OAuth>
- <https://github.com/jrconlin/oauthsimple> (sample code in multiple languages)

Quote API

Path: api/quotes/calculate

Method: POST

Description: The shopping cart system should call the Quote API to calculate the costs related to a shopping cart and **show the costs at the shopping cart page.**

Request:

Input-data	Type	Mandatory	Example	Description
merchantIdentifier	String	Y	"54412b2d83553282a47e89cf"	Provided by BorderGuru.
subtotal	Float	Y	82	Total of all lineItems.
totalPrice	Float	Y	93	Total of subtotal plus shipping
totalWeight	Float	Y	1	Total of all lineItems.
totalWeightScale	String	Y	"kg"	
countryOfOrigin	String	Y	"US"	
countryOfDestination	String	Y	"DE"	
currency	String	Y	"USD"	
lineItems (1..N)	LineItemSchema	Y		
1.	sku	String	Y	"142"
	shortDescription	String	Y	"toy car"
	price	Float	Y	3
	category	String	Y	"toys"
	weight	Float	Y	0.2
	weightScale	String	Y	"kg"

We add shipping cost to subtotal to get totalPrice. in this example, shipping = 11, so 82 + 11 = 93, we get totalPrice.

SKU is from us?

	quantity	Int	Y	4	
	countryOfManufacture	String	N	"CN"	
2.	sku	String	Y	"112"	
	shortDescription	String	Y	"trumpet"	
	price	Float	Y	70	
	category	String	Y	"instruments"	List of categories should be provided by merchant.
	weight	Float	Y	0.2	
	weightScale	String	Y	"kg"	
	quantity	Int	Y	1	
	countryOfManufacture	String	N	"CN"	
...					

Response:

A response from the Quote API contains the **Quote ID** plus the **Shipping** and **Duty & Tax costs**. Duty & Tax costs are shown per line item and in total.

Output-data		Type	Example	Description
quoteIdentifier		String	"544646b98757c9bdc8071775"	Quote ID that should be used when calling Shipping API.
lineItems (1..N)				
	sku	String	"142"	
	shortDescription	String	clothes	
	quantity	Int	3	
	price	Float	10	
	weight	Float	1.5	
	weightscale	String	"kg"	

	duty	Float	0	
	tax	Float	8	
taxAndDutyCost		Float	8	
shippingCost		Float	10	
quoteCurrency		String	"USD"	
quoteSubtotal		Float	30	<i>quoteSubtotal = subTotal?</i>
total		Float	48	taxAndDutyCost + shippingCost + quoteSubtotal

Example response:

```
{
  "response": {
    "success": true,
    "result": {
      "quoteIdentifier": "550a93e6afce6b1900ffffeb0",
      "lineItems": [
        {
          "sku": "clothes",
          "shortDescription": "clothes",
          "quantity": 3,
          "price": 10,
          "weight": 1.5,
          "weightScale": "kg",
          "duty": 0,
          "tax": 8
        }
      ],
      "taxAndDutyCost": 8,
      "shippingCost": 10,
      "quoteCurrency": "USD",
      "quoteSubtotal": 30,
      "total": 48
    }
  }
}
```

Shipping API

Path: api/shipping

Method: POST

Description: The heart of the BorderGuru API, a Shipment is created by the Shipping API. The Shipping API receives "Quote ID" plus the shopping cart content and customer info (shipping & billing address) and creates a Shipment and returns a Shipment ID. Besides Shipment ID, BorderGuru provides the merchant with the payment & tracking links. The Shipment ID should be saved by the shopping cart system and included in the destination address.

Request:

Input-data		Type	Mandatory	Example	Description
merchantIdentifier		String	Y	"54412b2d83553282a47e89cf"	Provided by BorderGuru.
subtotal		Float	Y	82	Total of all lineItems.
totalPrice		Float	Y	93	Total of subtotal plus shipping
totalWeight		Float	Y	1	Total of all lineItems.
totalWeightScale		String	Y	"kg"	
countryOfOrigin		String	Y	"US"	
countryOfDestination		String	Y	"DE"	
currency		String	Y	"USD"	
quoteIdentifier		String	Y	"5446470d8757c9bdc8071786"	Returned by Quote API.
merchantOrderId		String	N	"ABCDEFG128"	
storeName		String	Y	"wOp-shop"	
lineItems (1..N)		LineItemSchema	Y		
1.	sku	String	Y	"142"	
	shortDescription	String	Y	"toy car"	
	price	Float	Y	3	

	category	String	Y	"toys"	
	weight	Float	Y	0.2	
	weightScale	String	Y	"kg"	
	quantity	Int	Y	4	
	countryOfManufac ture	String	N	"CN"	
2	sku	String	Y	"112"	
	shortDescription	String	Y	"trumpet"	
	price	Float	Y	70	
	category	String	Y	"instruments"	
	weight	Float	Y	0.2	
	weightScale	String	Y	"kg"	
	quantity	Int	Y	1	
	countryOfManufac ture	String	N	"CN"	
...					
shippingAddress					
	firstName	String	Y	"Daniel"	
	lastName	String	Y	"Beckenbauer"	
	streetName	String	Y	"Reeperbahn"	
	houseNo	Int	N	54	
	additionalInfo	String	N		
	postcode	String	Y	"22222"	
	city	String	Y	"Hamburg"	
	state	String	N	"Hamburg"	
	telephone	String	N	" +4912345"	
	email	String	Y	"foo@bar.com"	
	countryCode	String	Y	"DE"	
billingAddress					
	firstName	String	Y	"Daniel"	

	lastName	String	Y	"Beckenbauer"	
	streetName	String	Y	"Reeperbahn"	
	houseNo	Int	Y	54	
	additionalInfo	String	N		
	postcode	String	Y	"22222"	
	city	String	Y	"Hamburg"	
	state	String	N	"Hamburg"	
	telephone	String	N	" +4912345"	
	email	String	Y	"foo@bar.com"	
	countryCode	String	Y	"DE"	
submerchant					
	company	String	Y	"Example GmbH"	
	streetName	String	Y	"Example Weg"	
	houseNo	String	Y	"43"	
	postcode	String	Y	"22222"	
	city	String	Y	"Hamburg"	
	state	String	Y	"Hamburg"	
	countryCode	String	Y	"DE"	
	email	String	Y	"example@test.de"	
	EORI	String	Y	"4543536"	

Response:

A response from the Shipping API contains the Shipment ID, tracking & payment link. Payment link will not be provided for the orders that doesn't include duties & taxes.

Output-data	Type	Example	Description
result	String	"061039676"	Shipment ID - shipmentIdentifier
linkTracking	String	Look at the Example response	

linkPayment	String	Look at the Example response	
-------------	--------	------------------------------	--

The e.x. for destination address:

- ID 061039676, BorderGuru, Abbey Road 13, Chicago, IL 60601

The real address will be provided later!

Example response:

```
{
  "response": {
    "success": true,
    "result": "041139641",
    "linkTracking": "https://rc20150311-borderguru.cloudcontrolled.com/tracking/550aa356afce6b1900000025",
    "linkPayment": "https://rc20150311-borderguru.cloudcontrolled.com/payments/550aa356afce6b1900000025/req/"
  }
}
```

Label API

Path: api/orders/label/:id

Method: GET

Description: The shopping cart system should call the Label API to get a shipping label that can be attached to the package of the customer.

Request:

Input-data	Type	Mandatory	Example	Description
merchantIdentifier	String	Y	"54412b2d83553282a47e89cf"	Provided by BorderGuru.
shipmentIdentifier	String	Y*	"061039676"	Generated in Shipping API
merchantOrderId	String	Y*	"ABCDEFGFG128"	Passed to Shipping API

* either shipmentIdentifier or merchantOrderId need to be passed

Response:

A response from the Label API contains the shipping label as a PDF.

ERoS UK Test Client



33-891-04-99900079-1

33 GERMANY

Client address:
John Smith
Road to nowhere 77
GB - 0815 Schaffield

ABSENDER:
Hermes UK / Hub Europe
Bermuda Business Park
St Davids Way
GB - CV10 7SD Nuneaton

EMPFÄNGER:

Max Mustermann
Steindamm 80
20099 Hamburg

**31
HAMBURG
77 - 13
D**



Datum	2015-03-20



74079131910002

OrderCancel API

Path: api/orders/cancelOrder/:merchantId/:id

Method: POST

Description: The shopping cart system should call the OrderCancel API in case of a need for canceling a specific order.

Request:

Input-data	Type	Mandatory	Example	Description
merchantIdentifier	String	Y	"54412b2d83553282a47e89cf"	Provided by BorderGuru.
shipmentIdentifier	String	Y*	"061039676"	Generated in Shipping API
merchantOrderId	String	Y*	"ABCDEFG128"	Passed to Shipping API

* either shipmentIdentifier or merchantOrderId need to be passed

Response:

A response from the OrderCancel API is either success or failure including reason why it is not possible to cancel a specific order.

Output-data	Type	Example	Description
success	Boolean	True/False	
reason	String	Shipment is already delivered.	This field is optional. It is shown only in case that it is not possible to cancel an order.

TrackingStatus API

Path: api/orders/trackingStatus/:merchantId/:id

Method: POST

Description: The Tracking Status API is used to pull tracking data from the BorderGuru system.

Request:

Input-data	Type	Mandatory	Example	Description
merchantIdentifier	String	Y	"54412b2d83553282a47e89cf"	Provided by BorderGuru
shipmentIdentifier	String	Y*	"20153224342"	Generated in Shipping API
merchantOrderId	String	Y*	"ABCDEFGG128"	Passed to Shipping API

* either shipmentIdentifier or merchantOrderId need to be passed

Response:

A response from the Tracking Status API returns all the tracking events for a given order.

Output-data	Type	Example	Description
success	Boolean	True/False	
location	String	"Frankfurt"	
description	String	"Out for delivery"	
date	String	2015-08-15	

PaymentStatus API

Path: Please report the callback URL to BorderGuru

Method: POST

Description:

Request:

Input-data	Type	Mandatory	Example	Description
shipmentIdentifier	String	Y	"0494393943"	The BorderGuru Shipment Identifier
merchantOrderId	String	N	"r494fvf99"	merchantOrderId will be passed, if it was passed previously to the Shipping API
status	String	Y	"CONFIRMED"	Possible messages are: "CONFIRMED" "NOTPAID" Each status is final and will not change afterwards.

Example request:

```
{
  "request": {
    "shipmentIdentifier" : "04903490239403",
    "merchantOrderId" : "3jidjdi333",
    "status" : "CONFIRMED"
  }
}
```