



EasyPost API Documentation

Version 0.9.9

Authentication

All the API calls must be made over https and must contain the API key supplied. The API key can be sent as part of the POST request where the request is POST type, as a GET variable or as part of the headers sent with the request.

LOCKERS

POST <https://api.easypost.ro/lockers>

Displays the list of Easypost lockers with the possibility to filter the result based on certain parameters. Supplying the x|y parameter will get the API to calculate the distance of the lockers from the supplied lat|long coordinates.

Parameter	Type	Description
city	String	City name
x y	Float	Latitude Longitude of locker
id	String	Locker ID
description	String	Location description [OMV Muncii]
partner	String	Partner name [OMV, Petrom, etc]
size	String / Array	Required cell size [S,M,L]
show_occupied	Bool	If set to FALSE the request will not include lockers that have no room left for new parcels. Default value TRUE , all the new parcels created for a occupied locker will be added to queue.

Response	Type	Description
id	Int	Locker ID
address	String	Locker Address
city	String	Locker City
latlong	Float Float	Latitude and longitude
cod	Int	Specifies if the locker has cash handling capabilities
description	String	Locker description
cash_description	String	Displays info about payment methods accepted
partner	String	Partner location
opening_hours	String	Opening hours / Nonstop
availability	Array	{S:False, M:True, L:True}

ORDER CREATION

POST <https://api.easypost.ro/order>

Main request used for creating a Easypost order. When creating an order there is no need for volumetric data as all the measurements and box allocations are made in the Easypost warehouse.

Parameter	Type	Description
order_id	String	Order reference number / Order ID
packages	Number	The total number of boxes that will be shipped with this order
receiver	Array	Email address, Mobile no, Customer name receiver[name] receiver[phone] receiver[email]
target_locker	String	Destination locker ID
warehouse_id	Integer	Specifies the warehouse ID for picking up the order. The list of warehouses and ID's can be loaded from the api using the "info" method
cod	Integer	Cash on Demand value to be paid
value	Integer	The package value, minus all the shipping costs. Used for insurance purpose
Response	Type	Description
awb	String	Transaction AWB

PARCEL CREATION

POST <https://api.easypost.ro/parcels>

Main request used for creating a Easypost parcel. When creating a parcel, volumetric calls for calculating the required boxes are required so if that's not possible, please use the order creation endpoint.

Parameter	Type	Description
order_id	String	Order reference number / Order ID
receiver	Array	Email address, Mobile no, Customer info
sender	Array	For C2C requests only, send array with name, email and phone. For b2c parameter not required
size	Char	Requested cell size [S, M, L]
target_locker	String	Destination locker ID
sender_locker	String	C2C only; drop-off locker ID [optional]
warehouse_id	Integer	Specifies the warehouse ID for picking up the order. The list of warehouses and ID's can be loaded from the api using the "info" method
cod	Integer	Cash on Demand value to be paid
value	Integer	The package value, minus all the shipping costs. Used for insurance purpose
postage_prepaid	Boolean	Specifies if the postage cost is already paid
iban	String	Client IBAN account for B2C
pickup	Integer	If set to 1, will flag the transaction as ready for pickup and a Easypost courier will be dispatched to pick up the package. Set 0 to delay pickup of the package.
Response	Type	Description
id	String	Transaction ID
awb	String	Transaction AWB
created	DateTime	Order creation date
pin	String	Transaction PIN
In_queue	Bool	True indicates that the parcel is in processing queue and a locker box was not assigned yet.

TRACKING

POST <https://api.easypost.ro/tracking>

Provides tracking data for a certain AWB or a group of AWBs.

Parameter	Type	Description
awb	String / Array	Order AWB[s]
Response	Type	Description
id	String	Parcel identifier
awb	String	Operation AWB
created_at	DateTime	Parcel creation date
updated_at	DateTime	Date of last update
order_id	String	Client internal reference number
receiver	Array	Name, phone, email
sender	String/Array	
cod	Integer	Cash on Delivery value
size	Char	Cell size
status	String	Parcel delivery status Created, Prepared, Delivered, InTransit, Delayed, Overdue, Fulfilled, Returned
return_awb	String	Awb for returning operations [if any]
deposited	Integer	Number of days the parcel has been deposited in the target locker
received	DateTime	Date the parcel has been deposited in the target locker
due_date	DateTime	Due date for fulfillment / return
overcharge	Integer	Amount to be overcharged
target_locker	String	Delivery locker ID
sender_locker	String	Drop-off locker ID
tracking	Array	Array of format: {Date, Status}

HISTORY

POST <https://api.easypost.ro/history>

Display the parcel log.

Parameter	Type	Description
Start_date	DateTime	Starting date for history search
End_date	DateTime	Ending date for history search
Awb	String / Array	Awb search
Order_id	String / Array	Internal order id[s] for searching history
Locker_id	String / Array	Locker ID for search
Receiver_name	String	Client name
Receiver_phone	String	Client phone
Receiver_mail	String	Client email address
Only_cod	Boolean	Show only COD transactions
Size	Char	Search by Parcel size
Limit	Integer	Max number of results
Offset	Integer	Offset results starting from
Sort_by	String	Sortable by status, created_at, updated_at
Status	String	Transaction Status
Sort_order	String	Asc / Desc
Response	Type	Description
Id	String	Transaction ID
Order_id	String	Internal order ID
Awb	String	Transaction awb
Created_at	DateTime	
Updated_at	DateTime	
Status	String	
Fulfillment_date	DateTime	Date the transaction was fulfilled

LABELS

POST <https://api.easypost.ro/labels>

Returns base64 encoded PDF files containing the label containing the QR code for the Easypost parcel.

Parameter	Type	Description
Awb	String / Array	Transaction AWB
Response	Type	Description
Returns a base64 encoded PDF		

CITIES

GET <https://api.easypost.ro/cities>

Display the list of cities that have Easypost lockers installed.

Parameter	Type	Description
N/A	N/A	N/A
Response	Type	Description
Returns an array consisting of a list of cities that host Easypost lockers		

PARTNERS

GET <https://api.easypost.ro/partners>

Display the list of partners that have Easypost parcel lockers installed.

Parameter	Type	Description
N/A	N/A	N/A
Response	Type	Description
Returns an array consisting of a list of partners hosting Easypost lockers		

INFO

GET <https://api.easypost.ro/info>

Display partner info for this current request. Info is taken based the supplied API key

Parameter	Type	Description
N/A	N/A	N/A
id	Integer	Partner ID
name	String	Partner name
tariff	Array	Array of prices for S,M,L boxes. Each element in the array has id – Integer, label – String, price - Integer
warehouses	Array	Array of warehouses configured for the partner. Each element in the array has id – Integer and Name - String
Version	String	The API version

RETURN

POST <https://api.easypost.ro/return>

Starts the return process for Easypost parcel. On request, the supplied AWB's will be reactivated and the customer will receive a SMS message and a Email containing the return instructions. The original Easypost label on the parcel can be used for dropping of the parcel to a Easypost locker.

Parameter	Type	Description
Awb	String / Array	Transaction AWB
Response	Type	Description
Result	string	success/fail

PICKUP

POST <https://api.easypost.ro/pickup>

Request made with a list or a single AWB codes to signal that the packages are ready to be picked up by a EasyPost courier and delivered to the lockers.

Parameter	Type	Description
Awb	String / Array	Transaction AWB
Response	Type	Description
		Returns an array with the processed AWB codes

CALCULATIONS

GET <https://api.easypost.ro/calculations>

Request made with a set of product box measurements which will be used to calculate the minimum locker size required for the order.

Parameter	Type	Description
Products	Array	Array of products in the order. Each product has a set of X,Y,Z sizes in centimeters. The X,Y,Z values must be integers.
Response	Type	Description
box_size_label	String	EasyPost locker box size (S,M,L)
shippable	Boolean	Specifies if the order can be fulfilled
box_size_id	Integer	The box size ID
tariff	Integer	The tariff for this particular order

LINK

POST <https://api.easypost.ro/link>

Links a partner internal barcode or barcodes to a certain Easypost AWB. The linked barcode can be scanned at the Easypost locker and load the parcel.

Parameter	Type	Description
awb	String	The Easypost AWB that we want linked
Barcode	String/Array	The barcode or a list of barcodes that we want linked with that supplied AWB.
Response	Type	Description
result	String	Success/fail