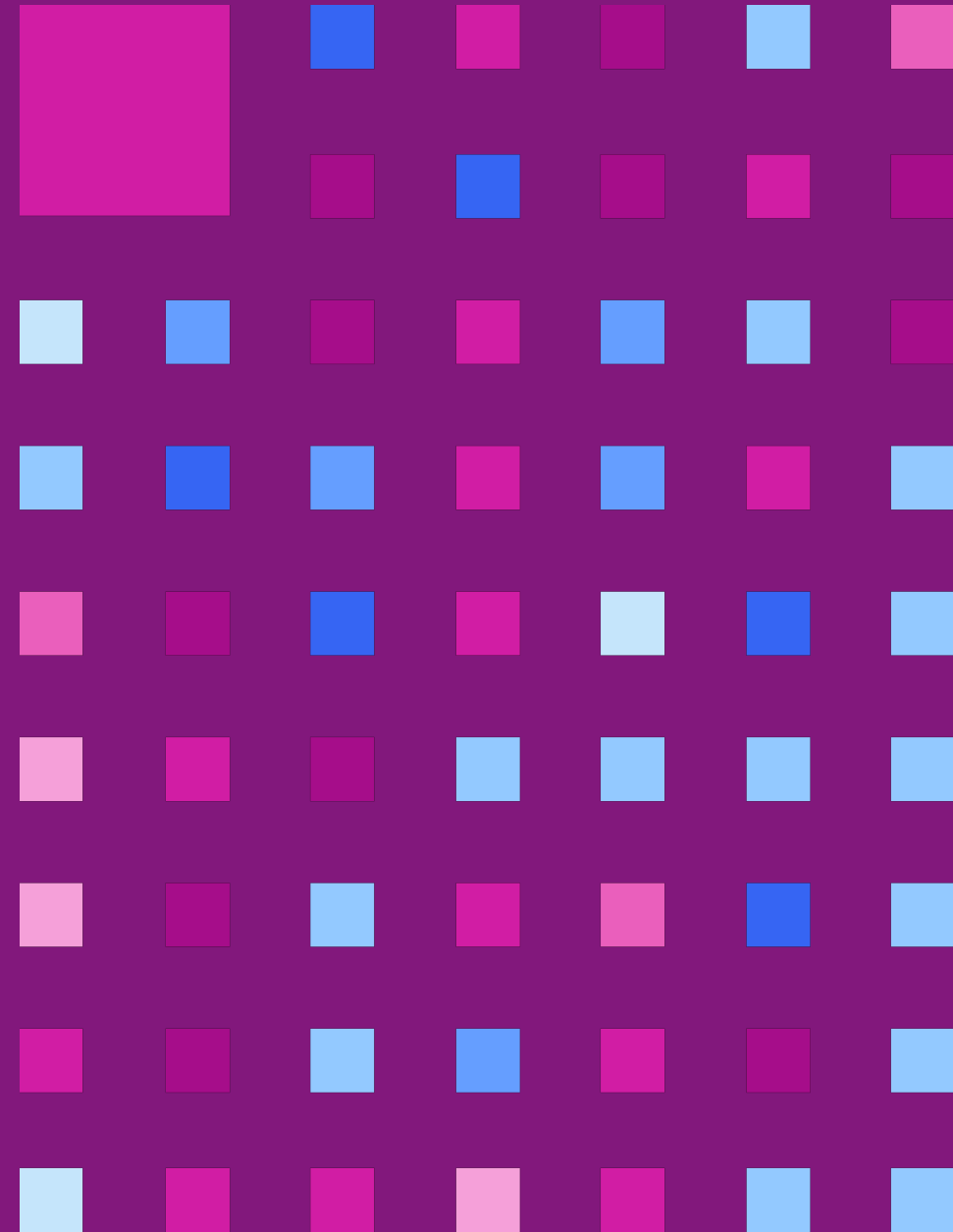

eBay Connect 2021

Buy APIs

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Sr. Product Manager, Developer Ecosystem

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Sr. Engineering Manager, Developer Ecosystem



eBay Connect 2021 Agenda

Buy API Enhancements

eBay Items Widget

Managed Payments in Buy APIs

Buy APIs

Curate

Ingest

Surface

Purchase



What's New in Buy APIs?

Browse API

- **General availability**
- **Authenticity Verification program**
- **Search in description**
- **Marketplace expansion: IE, NL, PL**
- **Certified Refurbished program**

Feed API

- **Marketplace expansion: SG, IE, NL, PL**
- **Support for SELLER REFURBISHED and CERTIFIED REFURBISHED item conditions**
- **Support for "in store pickup" and "pickup/drop off" delivery options**
- **New listings in hourly feeds**

Order API

- **Support for managed payments**

Compliance

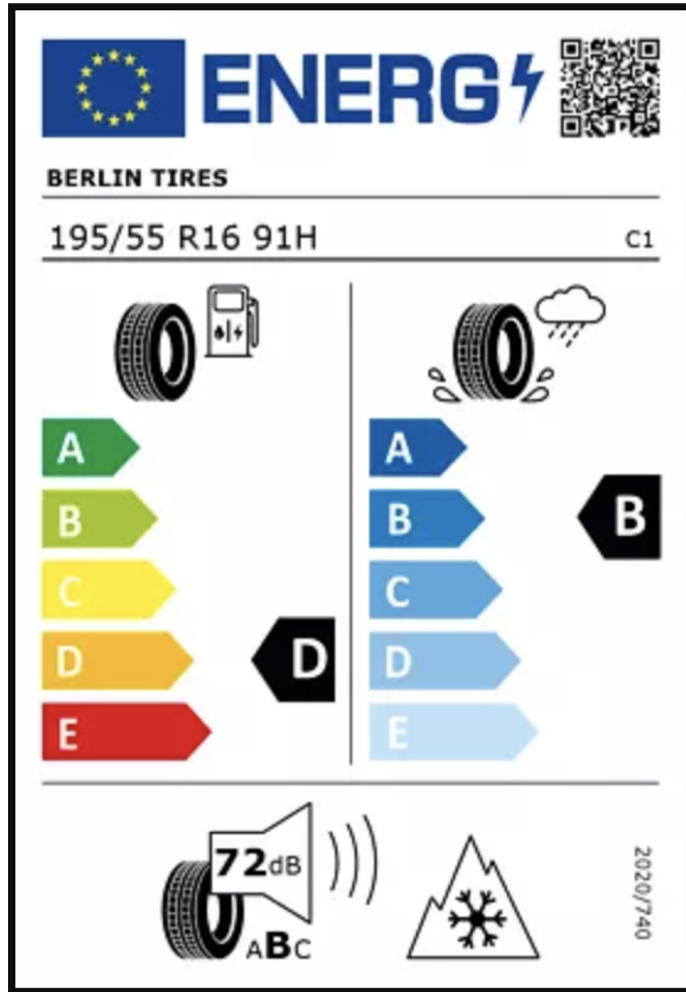
Tyre Label

EEK (home appliances)

EU VAT



Tyre Label: Browse API



```
{  
  "itemId": "v1|124565243316|0",  
  "title": "BERLIN 195/55 R16 91 H XL...",  
  ...  
  "tyreLabelImageUrl":  
  "https://.CLkAAOSwUJBGwL6G/s-1400.webp"  
}
```

EU VAT

Browse: Search, Feed and Deal APIs

Item price and shipping costs when applicable show VAT inclusive pricing

Browse: Get Item and Order APIs

VAT details included in the tax container

```
"taxes": [  
  {  
    "taxJurisdiction": {  
      "taxJurisdictionId": "DE"  
    },  
    "taxType": "VAT",  
    "taxPercentage": "19",  
    "includedInPrice": true,  
    "ebayCollectAndRemitTax": false  
  }  
]
```

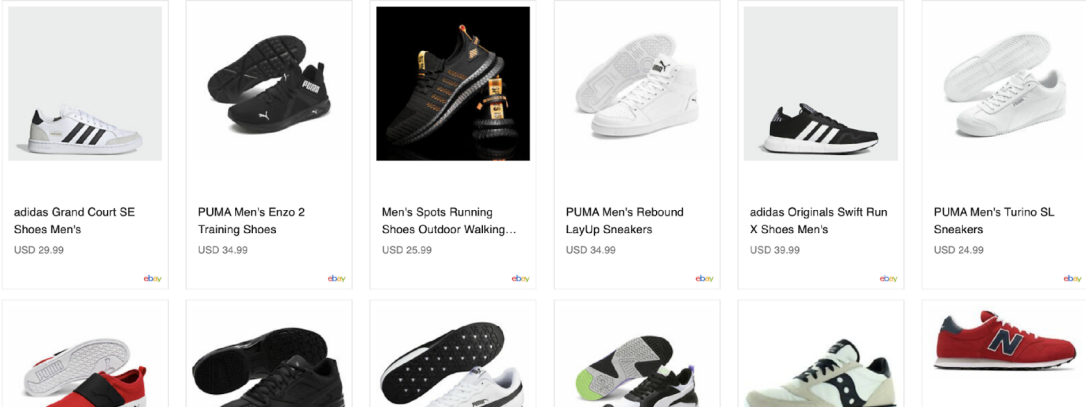
eBay Items Widget

Gallery

Sneakers

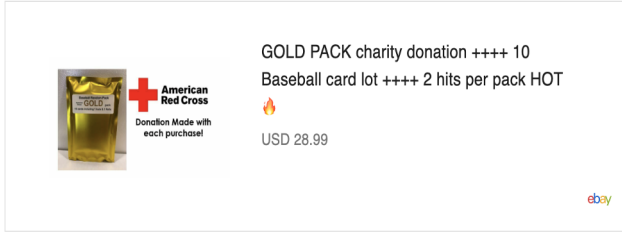
Showing 1-30 of 1,314,869

Sort by Best Match



The gallery view displays 12 sneaker items in a 2x6 grid. Each item includes a product image, a title, and a price. The items are: 1. adidas Grand Court SE Shoes Men's (USD 29.99), 2. PUMA Men's Enzo 2 Training Shoes (USD 34.99), 3. Men's Spots Running Shoes Outdoor Walking... (USD 25.99), 4. PUMA Men's Rebound LayUp Sneakers (USD 34.99), 5. adidas Originals Swift Run X Shoes Men's (USD 39.99), 6. PUMA Men's Turino SL Sneakers (USD 24.99), 7. (Image only), 8. (Image only), 9. (Image only), 10. (Image only), 11. (Image only), 12. New Balance sneaker (Image only).

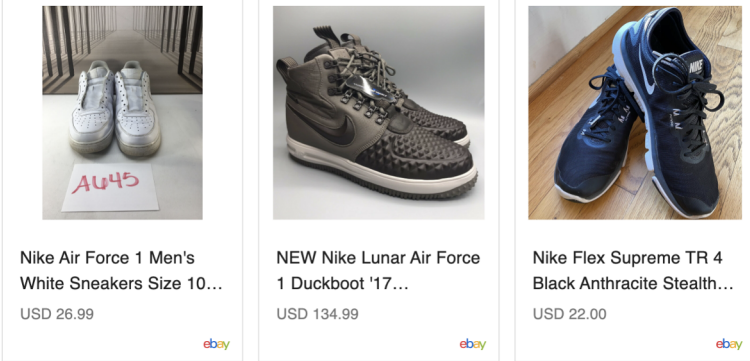
Single item



GOLD PACK charity donation ++++ 10
Baseball card lot ++++ 2 hits per pack HOT
🔥
USD 28.99

American Red Cross
Donation Made with each purchase

Multiple items carousel



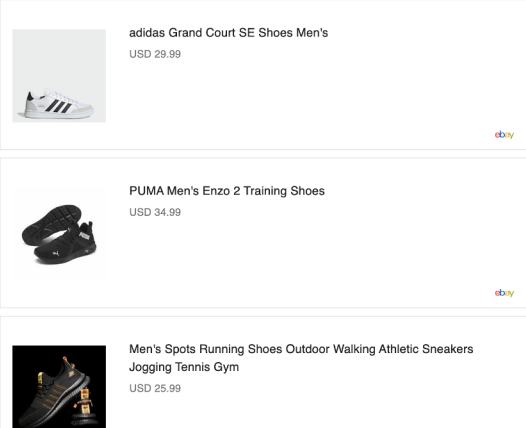
The carousel view displays three sneaker items side-by-side. Each item includes a product image, a title, and a price. The items are: 1. Nike Air Force 1 Men's White Sneakers Size 10... (USD 26.99), 2. NEW Nike Lunar Air Force 1 Duckboot '17... (USD 134.99), 3. Nike Flex Supreme TR 4 Black Anthracite Stealth... (USD 22.00).

List

Sneakers

Showing 1-30 of 1,314,869

Sort by Best Match

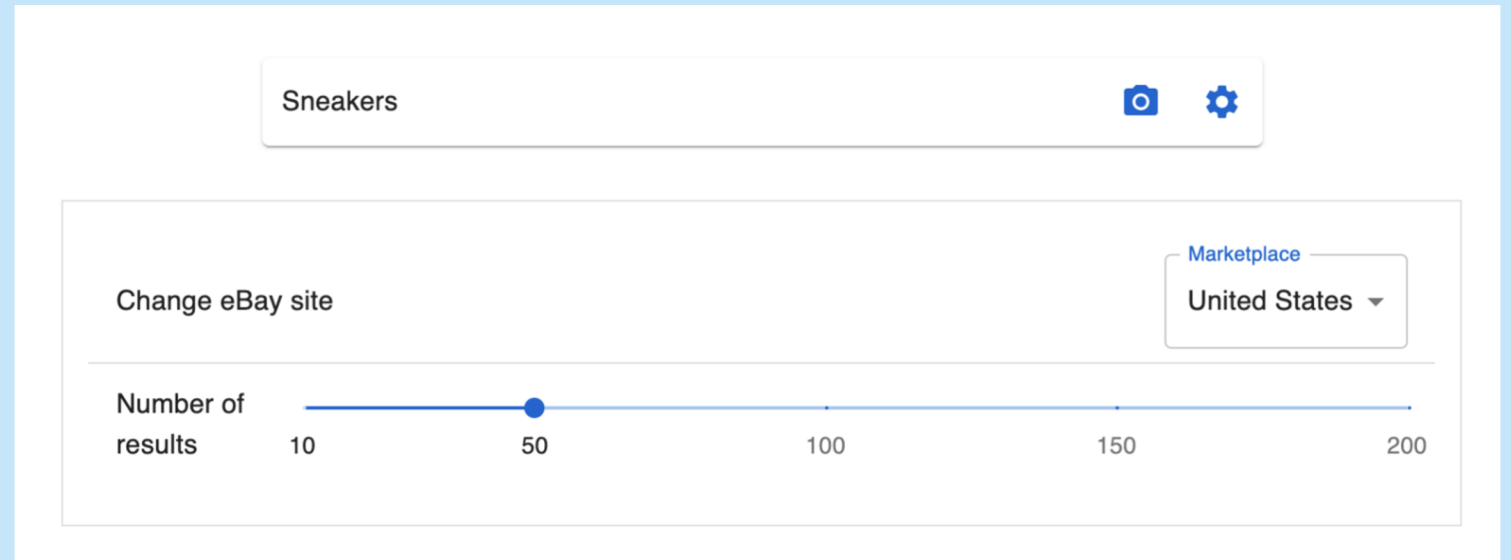


The list view displays three sneaker items vertically. Each item includes a product image, a title, and a price. The items are: 1. adidas Grand Court SE Shoes Men's (USD 29.99), 2. PUMA Men's Enzo 2 Training Shoes (USD 34.99), 3. Men's Spots Running Shoes Outdoor Walking Athletic Sneakers Jogging Tennis Gym (USD 25.99).

eBay Items Widget: Search

Search options

- **Keyword**
- **By image**
- **By charity ID(s)**



The screenshot shows the eBay search widget interface. At the top, there is a search input field containing the text "Sneakers". To the right of the input field are two icons: a camera icon for image search and a gear icon for settings. Below the search field, there is a section for "Change eBay site" with a dropdown menu currently set to "United States". To the right of this dropdown is a "Marketplace" label. Below the site selection, there is a slider control for "Number of results". The slider has a range from 10 to 200, with major tick marks at 10, 50, 100, 150, and 200. The current value is set to 50.



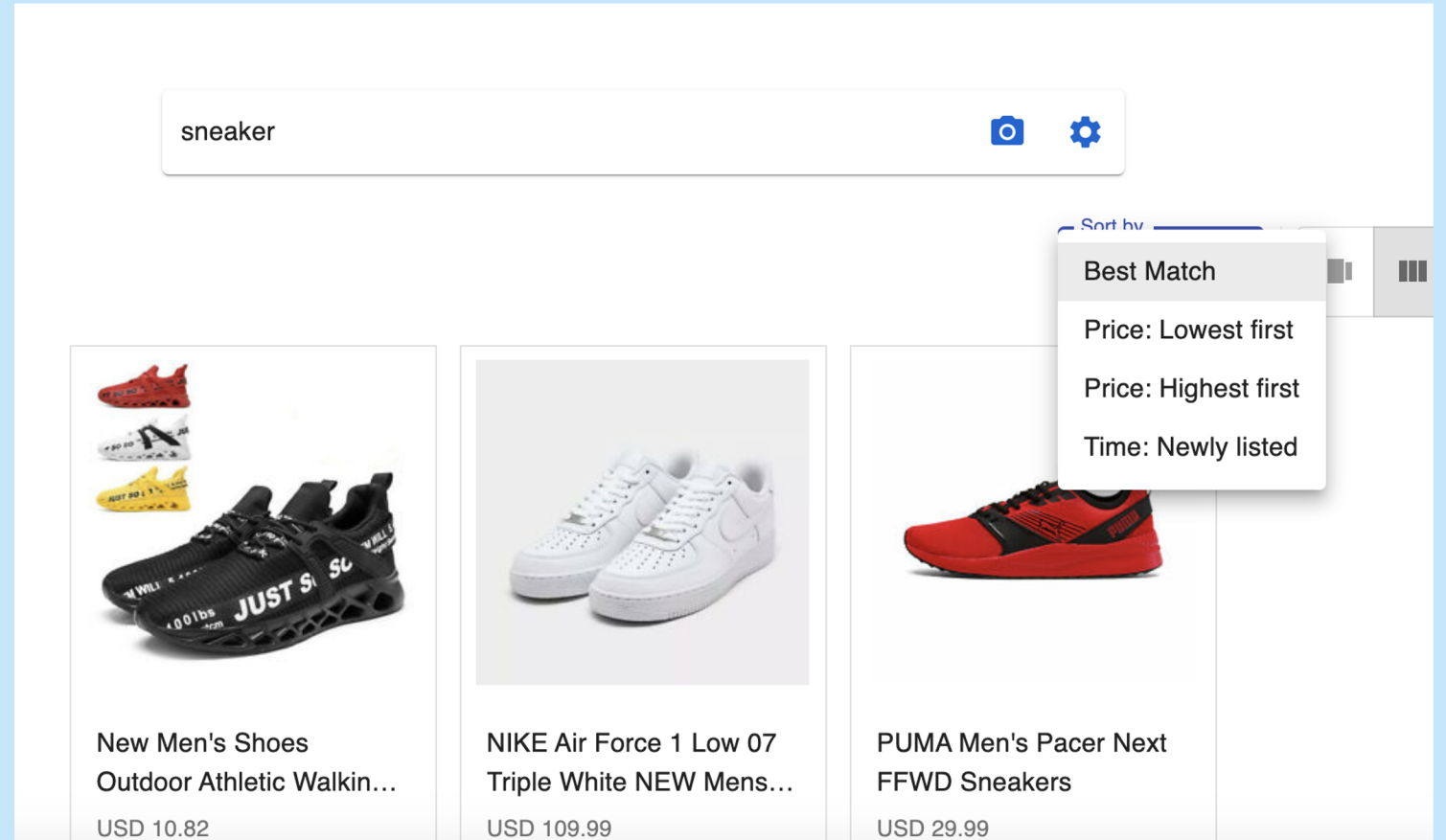
Developer Tip: Fully customizable widget

- Supports eBay marketplaces
- Supports pagination

eBay Items Widget: Sorting

Sort options

- **Best match**
- **By price: ascending and descending**
- **By time: newly listed**



The screenshot shows an eBay search results page for the query "sneaker". At the top, there is a search bar containing the text "sneaker" and icons for image search and settings. Below the search bar, a sorting dropdown menu is open, displaying the following options: "Best Match", "Price: Lowest first", "Price: Highest first", and "Time: Newly listed". The "Best Match" option is currently selected. Below the sorting menu, three product listings are visible:

Product Name	Price
New Men's Shoes Outdoor Athletic Walkin...	USD 10.82
NIKE Air Force 1 Low 07 Triple White NEW Mens...	USD 109.99
PUMA Men's Pacer Next FFWD Sneakers	USD 29.99

eBay Items Widget: Other Features

Errors and warnings

If there are any errors or warnings returned by the underlying Browse API those are shown on the top as alert dialogs.

Alert dialog visibility

The widget supports props to hide the errors and warnings or replace them with some static text.

Example

```
import EbayItemsWidget from 'ebay-items-react-widget';

<EbayItemsWidget
  carouselOptions={{
    animation: 'slide',
    autoPlay: true,
    interval: 5000,
    indicators: false,
    stopAutoPlayOnHover: true
  }}
  defaultView="multi-item-carousel"
  imageSearchEndpoint=
  "http://localhost:3001/search_by_image"
  searchEndpoint=
  "http://localhost:3001/search"
  searchTerm="Sneakers"
/>
```

Express Server Configuration

```
options.CLIENT_ID = '';
options.CLIENT_SECRET = '';
options.ENVIRONMENT = 'PRODUCTION';
options.AFFILIATE_CAMPAIGN_ID = '';
options.AFFILIATE_REFERENCE_ID = '';
options.CATEGORY_IDS = '';
```


How to start the eBay Items Widget?

Step 1

Install the package using npm or yarn

```
npm install event-notification-nodejs-sdk
```

```
yarn add event-notification-nodejs-sdk
```

Step 2

Set up a backend server required to fetch items using eBay Browse API

Refer to:
<https://github.com/eBay/ebay-items-react-widget/blob/main/examples/server/server.js>

Step 3

Create configuration file with the client credentials

Required to fetch items from eBay Browse API)

Step 4

Start the server and run the example

Using npm: `npm start`

Using yarn: `yarn start`

Demo:

eBay Items Widget

<https://www.npmjs.com/package/ebay-items-react-widget>

<https://github.com/eBay/ebay-items-react-widget#readme>

Managed Payments supported in Buy APIs

- New **v2 release** of Order API
- Supports purchasing items from sellers on **Managed Payments**
- Easy integration with **Checkout with eBay** button



Order API v2: Guest Checkout

- **Initiate checkout session**
- **Get session details**
- **Update quantity**
- **Update shipping options and address**
- **Apply / remove coupon**
- **Get purchase order details**



Initiate checkout session

Request

POST /buy/order/v2/guest_checkout_session/initiate

```
{
  "contactEmail" : "joedoe@gmail.com",
  "shippingAddress": {
    "recipient" : {
      "firstName" : "Joe",
      "lastName" : "Doe"
    },
    "phoneNumber" : "1234445676",
    "addressLine1" : "101 Row Street",
    "city" : "LONDON",
    "stateOrProvince" : "London",
    "postalCode" : "SW1A 2AA",
    "country" : "GB"
  },
  "lineItemInputs": [
    {
      "quantity": 1,
      "itemId": "v1|180016036083|0"
    }
  ]
}
```

Response

Header: **X-EBAY-SECURITY-SIGNATURE**

```
{
  "checkoutSessionId": "11281988141",
  "lineItems": [
    {
      "itemId": "v1|180016036083|0",
      "title": "Auto Car Check Engine Tool",
      ...
    }
  ]
  ...
}
```

Update shipping address

Request

```
POST /buy/order/v2/guest_checkout_session/
      {checkoutSessionId}/update_shipping_address

{
  "recipient": {
    "firstName": "Joe",
    "lastName": "Doe"
  },
  "phoneNumber": "1237651234",
  "email": "joedoe@gmail.com",
  "addressLine1": "123 Row Street",
  "city": "Sand Jose",
  "stateOrProvince": "CA",
  "postalCode": "98765"
  "country": "US"
}
```

Response

```
{
  "checkoutSessionId": "11281988141",
  "lineItems": [...],
  "shippingAddress": {
    "recipient": {
      "firstName": "Joe",
      "lastName": "Doe"
    },
    "phoneNumber": "1237651234",
    "email": "joedoe@gmail.com",
    "addressLine1": "123 Row Street",
    "city": "Sand Jose",
    "stateOrProvince": "CA",
    "postalCode": "98765",
    "country": "US"
  },
  ...
}
```

Update quantity

Request

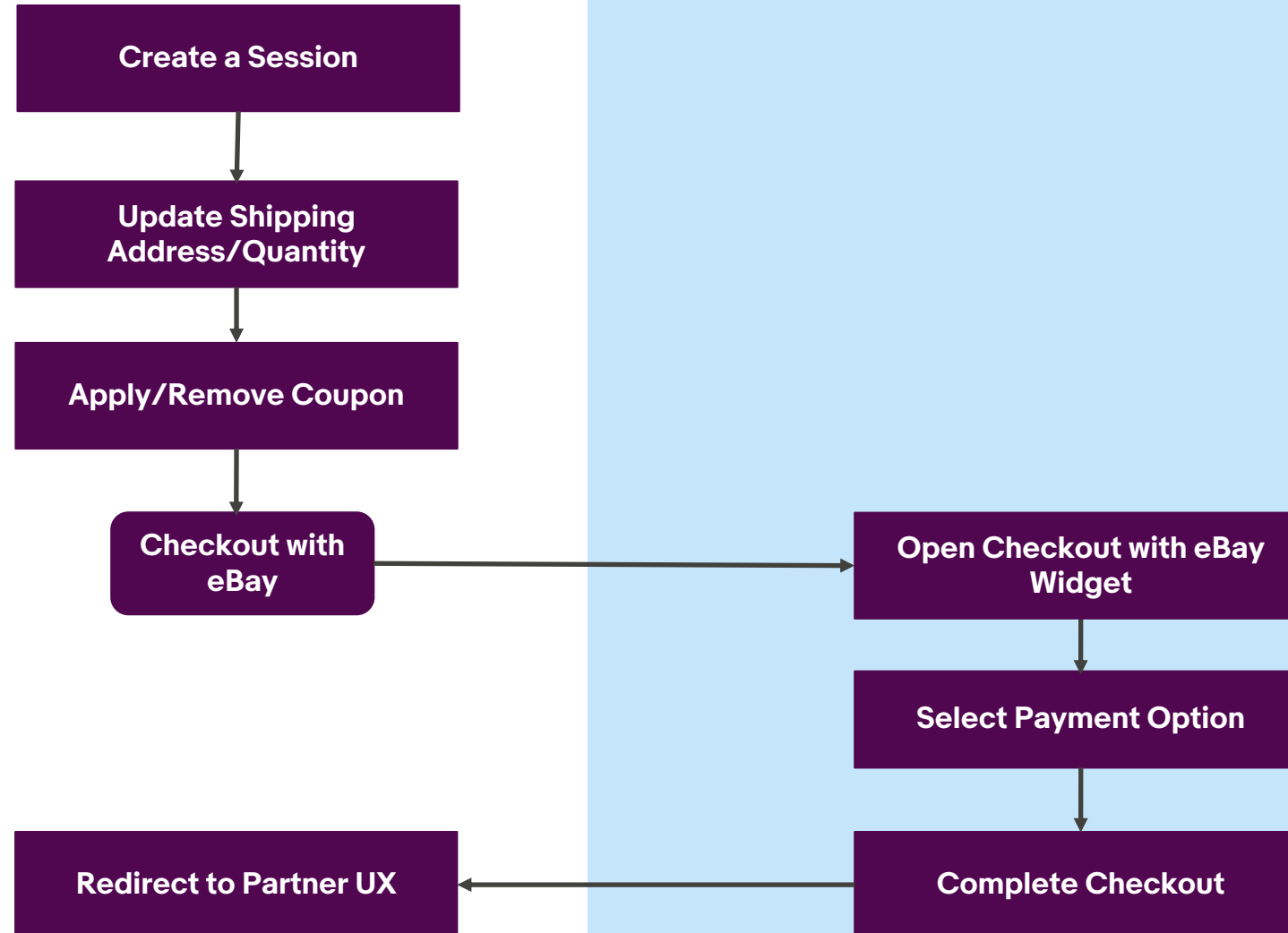
```
POST /buy/order/v2/guest_checkout_session/  
      {checkoutSessionId}/update_quantity
```

```
{  
  "lineItemId": "420002",  
  "quantity": 10  
}
```

Response

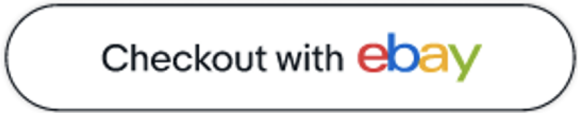
```
{  
  "checkoutSessionId": "11281988141",  
  "lineItems": [  
    {  
      "itemId": "v1|180016036083|0",  
      "quantity": 10,  
      ...  
    }  
  ],  
  ...  
}
```

Checkout with eBay: Flow



Checkout with eBay: Integration

```
<body>
const script = document.createElement(`script`);
script.src =
`https://checkout.ebay.com/sdk/js?locale=<locale>
&token=<encodeURIComponent(token)>&sessionId=
<sessionId>`;
document.body.appendChild(script);
</body>
```

A rounded rectangular button with a thin black border. The text "Checkout with" is in a dark grey font, and "ebay" is in the multi-colored eBay logo font (red, blue, yellow, green).

```
<body>
<div id='checkout-with-ebay-container'></div>

new window.ebaypay.Button({
  token: <encodeURIComponent(token)>,
  sessionId: <sessionId>,
  paymentActions: {
    onSuccess: (data) => {
      // your code goes here
    },
    onError: (error) => {
      // your code goes here
    }
    onCancel: (data) => {
      // your code goes here
    }
  }
}).render('#checkout-with-ebay-container');
</body>
```

Existing

Warenkorb — Versand — **Zahlungsart** — Kaufabschluss — Fertig

Versandadresse


Lieferadresse gleich Rechnungsadresse


Dhanaraj Vijayan
Lützwopl 17
10785 Berlin
Deutschland




[Ändern](#)

Zahlungsart auswählen

Bitte wähle eine Zahlungsart aus, indem du auf das entsprechende Icon klickst. Du wirst zunächst weitergeleitet, um deine Zahlungsdaten einzugeben. Die Bestellung erfolgt im nächsten Schritt.






Powered by **PayPal**

Summe

Artikel (1)	19,50 €
Versand	7,90 €
Gesamt	27,40 €

 [Details](#)

Gutscheincode einlösen

New

Warenkorb — Versand — **Zahlungsart** — Kaufabschluss — Fertig

Versandadresse

Lieferadresse gleich Rechnungsadresse

Dhanaraj Vijayan
Lützwopl 17
10785 Berlin
Deutschland

[Ändern](#)


Zahlungsart auswählen

Bitte wähle eine Zahlungsart aus, indem du auf das entsprechende Icon klickst. Du wirst zunächst weitergeleitet, um deine Zahlungsdaten einzugeben. Die Bestellung erfolgt im nächsten Schritt.

-Kaufabwicklung"/>

Summe


Artikel (1)	19,50 €
Versand	7,90 €
Gesamt	27,40 €

 [Details](#)

Gutscheincode einlösen

Existing

paypal.com



Bei PayPal einloggen

Mit einem PayPal-Konto ist im Fall der Fälle unser Käuferschutz für Sie da. Sie können außerdem unseren Service Kostenlose Retouren aktivieren. [Siehe Nutzungsbedingungen](#)

[Passwort vergessen?](#)


Eingelogg't bleiben und schneller zahlen [?](#)

Einloggen

oder

PayPal-Konto eröffnen

paypal.com


€27.35 EUR

Hi, Sehwan!

Ship to [Change](#)

Jerome Park
Schorbachstrasse 9, Butzbach, Hessen 35510

Pay with

 JPMORGAN CHASE \$34.96 USD
Checking ****5626

Make this my preferred way to pay

PayPal's conversion rate: 1 USD = 0.78230 EUR

[View PayPal Policies](#) and your payment method rights.

Continue

Check and buy

Shipping to: Sean Park
Schorbachstrasse 9
35510 ButzbachButzbach
Germany

Payment method: PayPal


Coupon Code: Not redeemed

Total: 27,35 €

I would like to receive emails about sales, specials, and surveys from Catch.
You can unsubscribe at any time in your account or via a link in the emails.

to buy

By clicking Buy, you agree to the [terms and conditions](#) to. You can find information on the processing of your data in our [privacy policy](#).

 **Minecraft: Nintendo Switch Edition [Nintendo Switch]**
Number: 1
Shipping: Deutsche Post Brief - € 2.99
Delivery: 24.-30. Dec
24,36 €




New: credit card payment


Checkout with eBay


ebay

Select a payment method

Credit card

VISA   

 PayPal

 PayPal Credit
Special financing available
Apply now. [See terms](#)

[Continue](#)

Checkout with eBay

ebay

Enter your payment info

Card info

Expiration date: CVC:

First name: Last name:

or, you could [select different payment method](#)

Billing address

1310 Saddle Rack St. APT 123, San Jose, CA 95126
[Change](#)

[Back](#) [Continue](#)

Checkout with eBay

ebay

Complete your checkout

Pay with Ending in 1004 [Change](#)

Ship to Sean Park
1310 Saddle Rack St.
APT 123
San Jose, CA 95126

Subtotal (1 item)	\$ 212.50
Shipping	Free
Tax	\$18.06

You pay \$230.56

By placing your order, you agree to eBay's [User Agreement](#) and [Privacy Notice](#).

*We're required by law to collect sales tax and applicable fees for certain tax authorities. [Learn more](#)

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New: PayPal payment

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ebay

Select a payment method

Credit card

VISA M C A M DISCOVER

PayPal

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Continue

Checkout with eBay

ebay

Complete your checkout

Pay with PayPal PayPal [Change](#)

Ship to Sean Park
1310 Saddle Rack St.
APT 123
San Jose, CA 95126

Subtotal (1 item)	\$ 212.50
Shipping	Free
Tax	\$18.06

You pay \$230.56

By placing your order, you agree to eBay's [User Agreement](#) and [Privacy Notice](#).

*We're required by law to collect sales tax and applicable fees for certain tax authorities. [Learn more](#)

Pay with **PayPal**

You'll finish checkout with PayPal

Get exclusive offers and promotions from eBay.

paypal.com

PayPal

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With a PayPal account, you're eligible for free return shipping, Purchase Protection, and more.

icanbuyanything@gmail.com

Password

[Forgot password?](#)

Log In

or

Create an Account

[Cancel and return to eBay](#)

—

Demo:

Checkout with eBay



ebay