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Offers

After you've searched for flights by creating an offer request, we'll send your search to a range of airlines, which may return offers.

Each offer represents flights you can buy from an airline at a particular price that meet your search criteria.

You'll see slices inside the offers. Each slice will also include a list of one or more specific flights (called segments) that the airline is offering to get the passengers where they want to go.

An offer is only available to create an order for a limited time by the traveller before it expires, typically within 30 minutes. Exact time is indicated by the expires_at field.

Schema Expand all 🗘

available_services list

The services that can be booked along with the offer but are not included by default, for example an additional checked bag. This field is only returned in the Get single offer endpoint. When there are no services available, or we don't support services for the airline, this list will be empty. If you want to know which airlines we support services for, please get in touch with the Duffel support team at help@duffel.com.

o base_amount string

The base price of the offer for all passengers, excluding taxes. It does not include the base amount of any service(s) that might be booked with the offer.

Example: "30.20"

base currency string

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organisation's billing currency unless you're using Duffel as an accredited IATA agent, in which case it will be in the currency provided by the airline (which will usually be based on the country where your IATA agency is registered).

Example: "GBP"

conditions object

The conditions associated with this offer, describing the kinds of modifications you can make post-booking and any penalties that will apply to those modifications. This information assumes the condition is applied to all of the slices and passengers associated with this offer - for information at the slice level (e.g. "what happens if I just want to change the first slice?") refer to the slices. If a particular kind of modification is allowed, you may not always be able to take action through the Duffel API. In some cases, you may need to contact the Duffel support team or the airline directly.

o created at datetime

The ISO 8601 datetime at which the offer was created

Example: "2020-01-17T10:12:14.545Z"

o expires_at datetime

The ISO 8601 datetime expiry of the offer before which the traveller should use this offer to create an order. After this time the offer can no longer be used to create an order.

Example: "2020-01-17T10:42:14.545Z"

o **id** string

Duffel's unique identifier for the resource

Example: "off_00009htYpSCXrwaB9DnUm0"

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Whether the offer request was created in live mode. This field will be set to true if the offer request was created in live mode, or false if it was created in test mode.

Example: true

owner object

The airline which provided the offer

partial boolean

Partial offers are a new concept we're introducing as a part of a new multi-step search flow that we're currently experimenting with. A partial offer can't be booked directly, but it can be combined with other partial offers to form a full offer. Partial offers are only ever returned through the multi-step search flow. So there's no need to add any handling to deal with partial offers if you're using the traditional OfferRequest search flow to create offers.

Example: true

o passenger_identity_documents_required boolean

Whether identity documents must be provided for each of the passengers when creating an order based on this offer. If this is true, you must provide a passport document for every passenger.

Example: false

passengers list

The passengers included in the offer

payment_requirements object

The payment requirements for this offer



private_fares list

The private fares applied on this offer.

slices list

The slices that make up this offer. Each slice will include one or more segments, the specific flights that the airline is offering to take the passengers from the slice's origin to its destination. Partial offers contain a single slice as each partial offer is for a particular slice of the journey.

supported_loyalty_programmes string[]

A list of airline IATA codes whose loyalty programmes are supported when booking the offer. Loyalty programmes present within the offer passengers that are not present in this field shall be ignored at booking. If this is an empty list ([]), no loyalty programmes are supported for the offer and shall be ignored if provided.

Example: ["AF", "KL", "DL"]

supported_passenger_identity_document_types string[]

The types of identity documents supported by the airline and may be provided for the passengers when creating an order based on this offer. Currently, possible types are passport, tax_id, known_traveler_number, and passenger_redress_number.

Example: ["passport"]

o tax_amount string nullable

The amount of tax payable on the offer for all passengers

Example: "40.80"

tax_currency string nullable

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in which case it will be in the currency provided by the airline (which will usually be based on the country where your IATA agency is registered).

Example: "GBP"

o total_amount string

The total price of the offer for all passengers, including taxes. It does not include the total price of any service(s) that might be booked with the offer.

Example: "45.00"

total_currency string

The currency of the total_amount, as an ISO 4217 currency code. It will match your organisation's billing currency unless you're using Duffel as an accredited IATA agent, in which case it will be in the currency provided by the airline (which will usually be based on the country where your IATA agency is registered).

Example: "GBP"

o total_emissions_kg string nullable

An estimate of the total carbon dioxide (CO₂) emissions when all of the passengers fly this offer's itinerary, measured in kilograms

Example: "460"

o updated_at datetime

The ISO 8601 datetime at which the offer was last updated

Example: "2020-01-17T10:12:14.545Z"



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You should use this API to get the complete, up-to-date information about an offer. This endpoint **does not** guarantee that the offer will be available at the time of booking.

Due to limitations in airlines' systems, you may see changes to the offer (e.g a changed total_amount). Additionally, you may receive information that may have not been included in the original offer such as baggage allowances.

Optionally, you can request information about additional available_services that you can book with this offer by specifying the return_available_services query parameter. Each time you make this API call there's a possibility that some of the service information will have changed, so you should always use data (e.g prices, service IDs) from the latest call to this endpoint when booking an offer.

URL parameters

O **id** string required

Duffel's unique identifier for the resource

Example: "off_00009htYpSCXrwaB9DnUm0"

Query parameters

o return available services boolean

When set to true, the offer resource returned will include all the available_services returned by the airline. If set to false, the offer resource won't include any available_services.

Example: true

Default value: false

ENDPOINT

GET https://api.duffel.com/air/offers/{id}

```
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  1 curl -X GET --compressed "https://api.duffel.com/air/offers/{id}?return
  2
      −H "Accept-Encoding: gzip" \
  3
      –H "Accept: application/json" \
      −H "Duffel-Version: v2" \
      -H "Authorization: Bearer <YOUR_ACCESS_TOKEN>"
                                                                         RESPONSE
 {
   "data": {
     "updated_at": "2020-01-17T10:12:14.545Z",
     "total_emissions_kg": "460",
     "total_currency": "GBP",
     "total_amount": "45.00",
     "tax_currency": "GBP",
     "tax_amount": "40.80",
     "supported_passenger_identity_document_types": [
       "passport"
     ],
     "supported_loyalty_programmes": [
       "AF",
       "KL",
       "DL"
     ],
     "slices": [
       {
         "segments": [
             "stons": [
```

... View full sample

Update a single offer passenger

The loyalty programme accounts of a passenger can be updated by providing their full name and account details in the request.

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o offer_id string required

Duffel's unique identifier for the resource

Example: "off_00009htYpSCXrwaB9DnUm0"

o offer_passenger_id string required

The identifier for the passenger. This ID will be generated by Duffel

Example: "pas_00009hj8USM7Ncg31cBCL"

Body parameters

Expand all

o family_name string required

The passenger's family name. Only space, -, ', and letters from the ASCII, Latin-1 Supplement and Latin Extended-A (with the exceptions of \mathcal{A} , \mathfrak{A} , \mathfrak{I} , \mathfrak{I} , \mathfrak{I} , \mathfrak{C} , \mathfrak{C} , \mathfrak{D} , and \mathfrak{J}) Unicode charts are accepted. All other characters will result in a validation error. The minimum length is 1 character, and the maximum is 20 characters.

Example: "Earhart"

o given_name string required

The passenger's given name. Only space, -, ', and letters from the ASCII, Latin-1 Supplement and Latin Extended-A (with the exceptions of \mathcal{A} , \mathcal{A} , and \mathcal{A}) Unicode charts are accepted. All other characters will result in a validation error. The minimum length is 1 character, and the maximum is 20 characters.

Example: "Amelia"

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 ENDPOINT
 PATCH https://api.duffel.com/air/offers/{offer_id}/passengers/{offer_passen
                                                                        REQUEST
                                                             curl
    curl -X PATCH --compressed "https://api.duffel.com/air/offers/{offer_id
      −H "Accept-Encoding: gzip" \
  2
      -H "Accept: application/json" \
  3
      -H "Duffel-Version: v2" \
  4
  5
      -H "Authorization: Bearer <YOUR_ACCESS_TOKEN>" \
  6
      -d '{
      "data": {
  7
  8
        "loyalty_programme_accounts": [
  9
            "airline_iata_code": "BA",
 10
 11
            "account_number": "12901014"
 12
          }
 13
        ],
 14
        "given_name": "Amelia",
 15
        "family_name": "Earhart"
 16
      }
 17 }'
                                                                        RESPONSE
 {
   "data": {
     "type": "adult",
     "loyalty_programme_accounts": [
       {
         "airline_iata_code": "BA",
         "account_number": "12901014"
       }
     "id": "pas_00009hj8USM7Ncg31cBCL",
     "given_name": "Amelia",
     "fare_type": "contract_bulk",
```

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}

List offers

Retrieves a list of offers for a given offer request specified by its ID. Unless you specify a sort parameter, the results may be returned in any order.

This endpoint does not return the complete, up-to-date information on each offer. The Get a single offer endpoint should be called for a given offer in order to get complete and up-to-date information.

Query parameters

o after string

A cursor pointing to the previous page of records. For more information on how to paginate through records, see the Pagination section.

Example: "g2wAAAACbQAAABBBZXJvbWlzdC1LaGFya2l2bQAAAB="

o before string

A cursor pointing to the next page of records. For more information on how to paginate through records, see the Pagination section.

Example: "g2wAAAACbQAAABBBZXJvbWlzdC1LaGFya2l2bQAAAB="

O **limit** integer

The maximum number of records to return per page. Defaults to 50. May be set to any integer between 1 and 200. For more information on how to paginate through records, see the Pagination section.

Example: 1

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o offer_request_id string required

Duffel's unique identifier for the offer request, returned when it was created

Example: "orq_00009htyDGjIfajdNBZRlw"

o sort enum

By default, the offers will be returned sorted by ID in ascending order. This parameter allows you to sort the list of offers by total_amount or total_duration. By default the sorting order will be ascending, if you wish to sort in descending order a — will need to be prepended to the sorting attribute (i.e: —total_amount).

Possible values: "total_amount" or "total_duration"

o max_connections integer

Allows to filter the offers list by the maximum number of connections in a given offer. e.g. a return flight with three flights outbound and a direct inbound flight would be filtered out if max_connections=1 was passed.

Example: 0

Default value: 1

ENDPOINT

GET https://api.duffel.com/air/offers

REQUEST curl

- 1 curl -X GET --compressed "https://api.duffel.com/air/offers?after=g2wAA
- 2 -H "Accept-Encoding: gzip" \
- 3 -H "Accept: application/json" \
- 4 −H "Duffel-Version: v2" \
- 5 –H "Authorization: Bearer <YOUR_ACCESS_TOKEN>"

```
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```

```
{
"meta": {
  "limit": 50,
  "after": "g2wAAAACbQAAABBBZXJvbWlzdC1LaGFya2l2bQAAAB="
},
"data": [
  {
    "total_emissions_kg": "460",
    "total_currency": "GBP",
    "total_amount": "45.00",
    "tax_currency": "GBP",
    "tax_amount": "40.80",
    "supported_passenger_identity_document_types": [
      "passport"
    ],
    "slices": [
        "segments": [
          {
            "stops": [
              ₹
```

... View full sample

Need some help?

We all do sometimes; code is hard.

Visit our Help Centre or contact us directly—we're here to help.

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