

Offer Requests

To search for flights, you'll need to create an offer request. An offer request describes the passengers and where and when they want to travel (in the form of a list of slices). It may also include additional filters (e.g. a particular cabin to travel in).

Schema

Expand all ⌵

○ **cabin_class** enum nullable

The cabin that the passengers want to travel in

Possible values: `"first"`, `"business"`, `"premium_economy"`, or `"economy"`

○ **client_key** string

A client key to allow the Duffel Ancillaries component to talk to the Duffel API to retrieve information about an offer and its ancillaries. Learn more about how to use this on <https://duffel.com/docs/guides/ancillaries-component>.

Example:

```
"SFMyNTY.g2gDdAAAAANKAAlsaXZlX21vZGVkAAVmYWxzZWQAD29yZ2FuaXNhZGlvb19pZG0A  
AAAab3JnXzAwMDA5VWhGY29ERGk5TTFTRjhiS2FkAAatyZXNvdXJjZV9pZG0AAAAab3JxXzAwM  
DBBVkZWZnFJUXFBWXPYeVRRVlVuBgDpOCvdhwFiAAFRgA.df1RmLeBFUR7r1WFHHiEksilfSZ  
NLhmPX0nj5VOKWJ4"
```

○ **created_at** datetime

The ISO 8601 datetime at which the offer request was created

Example: `"2020-02-12T15:21:01.927Z"`

Duffel's unique identifier for the resource

Example: `"orq_00009hjdomF0CJyxHG7k7k"`

○ **live_mode** `boolean`

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: `false`

▶ **offers** `list`

The offers returned by the airlines

▶ **passengers** `list`

The passengers who want to travel

▶ **slices** `list`

The `slices` that make up this offer request. One-way journeys can be expressed using one slice, whereas return trips will need two.

List offer requests

Retrieves a paginated list of your offer requests. The results may be returned in any order.

Query parameters

○ **after** `string`

paginate through records, see the [Pagination](#) section.

Example: "g2wAAAACbQAAABBBZXJvbWlzdC1LaGFya2l2bQAAAB="

- **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="

- **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`

Default value: `50`

ENDPOINT



GET `https://api.duffel.com/air/offer_requests`

REQUEST

curl



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

RESPONSE



```
{
  "meta": {
    "total": 100
  }
}
```

```
"data": [
  {
    "slices": [
      {
        "origin_type": "airport",
        "origin": {
          "type": "airport",
          "time_zone": "Europe/London",
          "name": "Heathrow",
          "longitude": -141.951519,
          "latitude": 64.068865,
          "id": "arp_lhr_gb",
          "icao_code": "EGLL",
          "iata_country_code": "GB",
          "iata_code": "LHR",
          "iata city code": "LON".
```

... [View full sample](#)

Create an offer request

To search for flights, you'll need to create an offer request. An offer request describes the passengers and where and when they want to travel (in the form of a list of slices). It may also include additional filters (e.g. a particular cabin to travel in).

We'll send your search to a range of airlines, and return your offer request back to you with a series of offers.

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

Inside the offers, you'll see your slices, but now 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.

When presenting offers to your customers, you should always show the full name of the operating carrier of each segment (`slices[].segments[].operating_carrier.name`). This must be displayed prominently on the first screen where the offer is presented in

Query parameters

○ **return_offers** `boolean`

When set to `true`, the offer request resource returned will include *all* the `offer` s returned by the airlines. If set to `false`, the offer request resource won't include any `offer` s. To retrieve the associated offers later, use the [List Offers](#) endpoint, specifying the `offer_request_id`. You should use this option if you want to take advantage of the pagination, sorting and filtering that the [List Offers](#) endpoint provides.

Example: `false`

Default value: `true`

○ **supplier_timeout** `integer`

The maximum amount of time in milliseconds to wait for each airline search to complete. This timeout applies to the [response time](#) of the call to the airline and includes some additional overhead added by Duffel. Value should be between 2 seconds and 60 seconds. Any values outside the range will be ignored and the default `supplier_timeout` will be used. If a value is set, the response will only include offers from airline searches that completed within the given time. If a value is not set, the response will only include offers from airline searches that completed within the default `supplier_timeout` value of 20 seconds. We recommend setting `supplier_timeout` lower than the timeout on the HTTP request you send to Duffel API as that will allow us to respond with the offers we received before your request times out with an empty response.

Example: `10000`

Default value: `20000`

Body parameters

[Expand all](#)

○ **cabin_class** `enum` `nullable`

Possible values: `"first"`, `"business"`, `"premium_economy"`, or `"economy"`

○ **max_connections** `integer`

The maximum number of connections within any slice of the offer. For example 0 means a direct flight which will have a single segment within each slice and 1 means a maximum of two segments within each slice of the offer.

Example: `0`

Default value: `1`

▶ **passengers** `list` `required`

The passengers who want to travel. If you specify an `age` for a passenger, the `type` may differ for the same passenger in different offers due to airline's different rules. e.g. one airline may treat a 14 year old as an adult, and another as a young adult. You may only specify an `age` or a `type` – not both.

○ **private_fares**

The private fare codes for this offer request. You can pass in multiple airlines with their specific private fare codes. The key is the airline's IATA code that provided the private fare code. The `corporate_code` and `tour_code` are provided to you by the airline and the `tracking_reference` is to identify your business by the airlines.

Example: `{"QF":`

```
[{"corporate_code":"FLX53","tracking_reference":"ABN:2345678"}], "UA":  
[{"corporate_code":"1234","tour_code":"578DFL"}]}
```

▶ **slices** `list` `required`

The `slices` that make up this offer request. One-way journeys can be expressed using one slice, whereas return trips will need two.

REQUEST

curl



```
1 curl -X POST --compressed "https://api.duffel.com/air/offer_requests?re
2   -H "Accept-Encoding: gzip" \
3   -H "Accept: application/json" \
4   -H "Content-Type: application/json" \
5   -H "Duffel-Version: v2" \
6   -H "Authorization: Bearer <YOUR_ACCESS_TOKEN>" \
7   -d '{
8     "data": {
9       "slices": [
10        {
11          "origin": "LHR",
12          "destination": "JFK",
13          "departure_time": {
14            "to": "17:00",
15            "from": "09:45"
16          },
17          "departure_date": "2020-04-24",
18          "arrival_time": {
19            "to": "17:00",
20            "from": "09:45"
21          }
22        }
23      ]
24    }
25  }
```

[... View full sample](#)

RESPONSE



```
{
  "data": {
    "slices": [
      {
        "origin_type": "airport",
        "origin": {
          "type": "airport",
          "time_zone": "Europe/London",
          "name": "Heathrow",
          "longitude": -141.951519,
          "latitude": 64.068865,
          ... ..
        }
      }
    ]
  }
}
```

```
"iata_code": "LHR",
"iata_city_code": "LON",
"city_name": "London",
"city": {
  "name": "London",
  "id": "cit_lon_gb",
  "iata_country_code": "GB".
```

... [View full sample](#)

Get a single offer request

Retrieves an offer request by its ID

URL parameters

○ **id** `string` required

Duffel's unique identifier for the offer request

Example: `"orq_00009hjdomF0CJyxHG7k7k"`

ENDPOINT



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

REQUEST

curl



```
1 curl -X GET --compressed "https://api.duffel.com/air/offer_requests/{id}"
2   -H "Accept-Encoding: gzip" \
3   -H "Accept: application/json" \
4   -H "Duffel-Version: v2" \
5   -H "Authorization: Bearer <YOUR_ACCESS_TOKEN>"
```



```
{
  "data": {
    "slices": [
      {
        "origin_type": "airport",
        "origin": {
          "type": "airport",
          "time_zone": "Europe/London",
          "name": "Heathrow",
          "longitude": -141.951519,
          "latitude": 64.068865,
          "id": "arp_lhr_gb",
          "icao_code": "EGLL",
          "iata_country_code": "GB",
          "iata_code": "LHR",
          "iata_city_code": "LON",
          "city_name": "London",
          "city": {
            "name": "London",
            "id": "cit_lon_gb",
            "iata_country_code": "GB"
          }
        }
      }
    ]
  }
}
```

... [View full sample](#)

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