

Getting Started

- 1 Go to [developers.amadeus.com](#) and click on **Register**
- 2 Verify your account and **Sign in**
- 3 Go to My Self-Service Workspace and **Create a new app**
- 4 Get your **API Key** and the **API Secret** linked to your app
- 5 Request an access token (see [Requesting an access token ↗](#))
- 6 Call the APIs by adding the header:

```
Authorization: Bearer access_token
```

Check out our libraries on GitHub:



Requesting an access token

Send a POST request to:

```
https://test.api.amadeus.com/v1/security/oauth2/token
```

Adding the header:

```
Content-Type: application/x-www-form-urlencoded
```

And the body:

```
grant_type=client_credentials&client_id=API_Key&client_secret=API_Secret
```

Response`access_token`[Note](#): valid for 30 minutes

Air

[Get rich flight information for inspiration, search and booking.](#)

Flight Inspiration Search

What are the cheapest places to fly to from Boston?

```
GET /v1/shopping/flight-destinations
```

```
?origin=BOS
```

Flight Cheapest Date Search

What are the cheapest dates to fly from Munich to São Paulo?

```
GET /v1/shopping/flight-dates
```

```
?origin=MUC&destination=SAO
```

Flight Offers Search

What are the cheapest flights from Madrid to Paris on June 1st?

```
POST /v2/shopping/flight-offers
```

```
GET /v2/shopping/flight-offers
```

```
?originLocationCode=MAD&destinationLocationCode=PAR&departureDate=2020-06-01&adults=2
```

Flight Offers Price

I've found a flight I like, now confirm that it's still available at that price.

```
POST /v1/shopping/flight-offers/pricing
```

Flight Create Orders

Everything looks good, now I want to book this flight.

```
POST /v1/booking/flight-orders
```

Flight Most Booked Destinations

Which destinations are most frequently booked by travelers in New Delhi?

```
GET /v1/travel/analytics/air-traffic/booked
```

```
?originCityCode=DEL&period=2018-01
```

Flight Most Traveled Destinations

Where do people usually fly to from New York City?

```
GET /v1/travel/analytics/air-traffic/traveled
```

```
?originCityCode=NYC&period=2018-01
```

Flight Busiest Traveling Period

When do most people travel to/from Vancouver?

```
GET /v1/travel/analytics/air-traffic/busiest-period
```

```
?cityCode=YVR&period=2017&direction=ARRIVING
```

SeatMap Display

Which seat should I choose for my flight?

```
POST /v1/shopping/seatmaps
```

```
GET /v1/shopping/seatmaps
```

```
?flight-orderId=eJzTd9cPDPmWcooAAATXAmE=
```

Flight Order Management

How can I retrieve my booking details?

```
GET /v1/booking/flight-orders/{flight-orderId}
```

```
DELETE /v1/booking/flight-orders/{flight-orderId}
```

Flight Check-in Links

Where do I go to do my online check-in?

```
GET /v2/reference-data/urls/checkin-links
```

```
?airlineCode=BA
```

Airport Nearest Relevant

What are the nearest major airports to these coordinates?

```
GET /v1/reference-data/locations/airports
```

```
?latitude=49.0000&longitude=2.55
```

Airport & City Search

When user types 'Mad' in the search field, I want to suggest 'Madrid' as an option.

```
GET /v1/reference-data/locations
```

```
?subType=AIRPORT,CITY&keyword=mad
```

```
GET /v1/reference-data/locations/{locationId}
```

```
/CMAD
```

Airline Code Lookup

What is the name of the airline with IATA code EK?

```
GET /v1/reference-data/airlines
```

```
?airlineCodes=BA
```

Flight Choice Prediction

Which of these flights will travelers most likely choose?

```
POST /v2/shopping/flight-offers/prediction
```

Flight Delay Prediction

What's the likelihood that this flight will be delayed, and by how long?

```
GET /v1/travel/predictions/flight-delay
```

```
?originLocationCode=NCE&destinationLocationCode=IST&departureDate=2020-08-01&departureTime=18:20:00&arrivalDate=2020-08-01&arrivalTime=22:15:00&aircraftCode=321&carrierCode=TK&flightNumber=1816&duration=PT31H10M
```

Airport On-Time Performance

What's the likelihood that flights from this airport will leave on time?

```
GET /v1/airport/predictions/on-time
```

```
?airportCode=JFK&departureDate=2020-09-01
```



Hotel

[Search and book hotels from a wide range of top providers.](#)

Hotel Search

What are the best hotel deals during my trip?

```
GET /v2/shopping/hotel-offers
```

```
?cityCode=LON
```

```
GET /v2/shopping/hotel-offers/by-hotel
```

```
?hotelId={hotelId}
```

```
GET /v2/shopping/hotel-offers/{offerId}
```

Hotel Ratings

How do other travelers rate this hotel?

```
GET /v2/e-reputation/hotel-sentiments
```

```
?hotelIds=TELONMFS,ADNYCCTB
```

Hotel Booking

I've found the hotel I want, now I want to make a reservation.

```
POST /v1/booking/hotel-bookings
```



Destination Content

[Add destination content to help users get the most out of their trips.](#)

Points of Interest

What are the best places to visit during my trip to Barcelona?

```
GET /v1/reference-data/locations/pois
```

```
?latitude=41.397158&longitude=2.160873
```

```
GET /v1/reference-data/locations/pois/by-square
```

```
?north=41.397158&west=2.160873&south=41.394582&east=2.177181
```

```
GET /v1/reference-data/locations/pois/{poisId}
```

Safe Place

How safe is Barcelona?

```
GET /v1/safety/safety-rated-locations
```

```
?latitude=41.397158&longitude=2.160873
```

```
GET /v1/safety/safety-rated-locations/by-square
```

```
?north=43.645218&west=7.182018&south=43.760768&east=7.323896
```

```
GET /v1/safety/safety-rated-locations/{safety-rated-locationId}
```



Trip

[Access powerful functionalities to plan and manage the entire trip.](#)

Trip Parser

How can I show travelers their full itinerary in one place?

```
POST /v2/travel/trip-parser-jobs
```

```
GET /v2/travel/trip-parser/{jobId}
```

```
GET /v2/travel/trip-parser/{jobId}/result
```

Trip Purpose Prediction

Is this itinerary most likely for a business trip or a vacation?

```
GET /v1/travel/predictions/trip-purpose
```

```
?originLocationCode=NYC&destinationLocationCode=MAD&departureDate=2020-08-01&returnDate=2020-08-12
```

AI-Generated Photos

Get me an A.I.-generated image of a mountain/beach landscape.

```
GET /v2/media/files/generated-photos
```

```
?category=MOUNTAIN
```