

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=

On Demand Flight Status

What's the current status of my flight?

GET /v2/schedule/flights

?carrierCode=IB&flightNumber=532&scheduledDepartureDate=2021-03-23

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

Flight Price Analysis

Am I getting a good deal on this flight?

GET /v1/analytics/itinerary-price-metrics

?originIataCode=MAD&destinationIataCode=CDG&departureDate=2021-03-21



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/{poiId}

Safe Place

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}

Tours and Activities

What are the best tours in Barcelona?

GET /v1/shopping/activities

?latitude=41.397158&longitude=2.160873

GET /v1/shopping/activities/by-square

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

GET /v1/shopping/activities/{activityId}



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

Travel Recommendations

What similar destinations to London can I find?

GET /v1/reference-data/recommended-locations

?cityCodes=LON&travelerCountryCode=FR