AMADEUS for Developers | Cheat Sheet

JAN 2020 / V 3.1

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

API Base URL: `https://test.api.amadeus.com`

✈ 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 to 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=`

✈ Air
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Flight Order Management
How can I retrieve my booking details?

`GET` `/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}`

`/locations/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` `/v1/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`

🏛 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`