

- 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:

Check out our libraries on GitHub:



<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 Availability Search		How many seats are still available on this flight?
POST	/v1/shopping/availability/flight-availabilities	
Flight Inspiration Search		
GET	/v1/shopping/flight-destinations	What are the cheapest places to fly to from Boston?
?origin=BOS		
Flight Cheapest Date Search		
GET	/v1/shopping/flight-dates	What are the cheapest dates to fly from Munich to São Paulo?
?origin=MUC&destination=SAO		
Flight Offers Search		
POST	/v2/shopping/flight-offers	What are the cheapest flights from Madrid to Paris on June 1st?
GET	/v2/shopping/flight-offers	
?origin=locationCode=PAO&destination=locationCode=PAR&departureDate=2020-06-01&adults=2		
Flight Offers Price		
POST	/v1/shopping/flight-offers/pricing	I've found a flight I like, now confirm that it's still available at that price.
Flight Create Orders		
POST	/v1/booking/flight-orders	Everything looks good, now I want to book this flight.
Flight Most Booked Destinations		
GET	/v1/travel/analytics/air-traffic/booked	Which destinations are most frequently booked by travelers in New Delhi?
?origin=cityCode=DEL&period=2018-01		
Flight Most Traveled Destinations		
GET	/v1/travel/analytics/air-traffic/traveled	Where do people usually fly to from New York City?
?origin=cityCode=NYC&period=2018-01		
Flight Busiest Traveling Period		
GET	/v1/travel/analytics/air-traffic/busiest-period	When do most people travel to/from Vancouver?
?cityCode=VRV&period=2017&direction=ABRIVING		
SeatMap Display		
POST	/v1/shopping/seatmaps	Which seat should I choose for my flight?
GET	/v1/shopping/seatmaps	
?flight-orderId=e27109cPDPwcoAAAEtXAE=		

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}	

Branded Fares Upsell

POST

/v1/shopping/flight-offers/upselling

What branded fares are available on this flight?

GET

/v2/reference-data/u1s/checkin-links

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

PairlineCode=BA

Airport Nearest Relevant

GET

/v1/reference-data/locations/airports

What are the nearest major airports to these coordinates?

Latitude=49.0000&Longitude=-2.55

Airport & City Search

GET

/v1/reference-data/locations

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

?SubType=AIRPORT,CITY&keyword=mad

GET

/v1/reference-data/locations/locationId

/CMND

Airline Code Lookup

GET

/v1/reference-data/airlines

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

PairlineCodes=BA

Flight Choice Prediction

POST

/v1/shopping/flight-offers/prediction

Which of these flights will travelers most likely choose?

Flight Delay Prediction

GET

/v1/travel/predictions/flight-delay

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

?OriginLocationCode=MCE&DestinationLocationCode=JFK&departureDate=2020-08-01&departureTime=18:20&arrivalDate=2020-08-01&arrivalTime=22:15&OneworldCarrierCode=321&carrierCode=T&flightNumber=1816&duration=P73D0M

Airport On-Time Performance

GET

/v1/airport/predictions/on-time

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

?AirportCode=JFK&departureDate=2020-09-01

On Demand Flight Status

GET

/v2/schedule/flights

What's the current status of my flight?

?CarrierCode=BH&FlightNumber=532&scheduledDepartureDate=2021-03-23

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	
	/v1/reference-data/locations/pois/{poisId}	
Safe Place		
GET	/v1/safety/safety-rated-locations	How safe is this area
	?latitude=41.397158&longitude=2.160873	
GET	/v1/safety/safety-rated-locations/by-square	
	?north=41.645218&west=7.382118&south=43.760768&east=7.324896	
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	
<pre> http://locationId=NYC&destinationId=MDX&depart=Q=Date=2020-08-01 &returnDate=2020-08-12 </pre>		

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}	
Location Score		What is this location popular for?
GET	/v1/location/analytics/category-rated-areas	
	Latitude=41.397158&Longitude=2.160873	
Flight Price Analysis		Am I getting a good deal on this flight?
GET	/v1/analytics/itinerary-price-metrics	
	Origin=Atlanta&OriginCode=ATL&Destination=London&DestinationCode=LON&DepartureDate=2021-03-31	

AI-Generated Photos	Get me an AI-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
	?cityCode=US00&travelerCountryCode=FR