



Big Data THack 2013

Amadeus Dataset Description

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Document control

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Version	Date	Change	Comment	By
1.0	01/10/2013		Initial Release	N.Hauviller
1.01	02/10/2013	Minor changes		T.Pearson

Segment 1 Arrival	CDG
Segment 1 Date	14/12/2011
Segment 1 Carrier	BA
Segment 2 Departure	CDG
Segment 2 Arrival	BWI
Segment 2 Date	05/01/2012
Segment 2 Carrier	BA
Segment 3 Departure	
Segment 3 Arrival	
Segment 3 Date	
Segment 3 Carrier	
Segment 4 Departure	
Segment 4 Arrival	
Segment 4 Date	
Segment 4 Carrier	
Segment 5 Departure	
Segment 5 Arrival	
Segment 5 Date	
Segment 5 Carrier	
Segment 6 Departure	
Segment 6 Arrival	
Segment 6 Date	
Segment 6 Carrier	

Date (mandatory)

Description

Date when the traveler performed the flight search

Format

YYYY-MM-DD where:

- YYYY is the year of the request
- MM is the month of the request
- DD is the day of the request

Example

'2011-06-04'

Time (mandatory)

Description

Time (UTC - Coordinated Universal Time) when the traveler performed the flight search

Format

hh:mm:ss where:

- hh corresponds to the hour
- mm corresponds to the minutes
- ss corresponds to the seconds

Example

'00:01:30'

Origin of the trip (mandatory)

Description

¹IATA code corresponding to the city or the airport defined as an origin for the flight search (i.e. from where the traveler will travel).

Correspondence between IATA City codes/City names or Airport Code/Airport Name can be found here: <http://www.iata.org/publications/Pages/code-search.aspx>

Format

[3 alphanumeric characters]

Example

'NYC'

NYC means that the traveler was searching for a flight departing from New York City (whatever airport).

'JFK'

JFK means that the traveler was searching for a flight departing from JFK Airport (and not any other airport in New York City)

Note: The city corresponds to the flight's departure city in the search request and not to the origin of the request itself (even if in most cases, this city will correspond to the "origin of the request").

For instance, NYC means that the traveler is looking for flights from NYC, but is not necessarily living close to NYC (even this is probably the case).

Destination of the trip (mandatory)

Description

IATA code corresponding to the city or the airport defined as a destination for the flight search (i.e. where the traveler wants to travel).

Format

[3 alphanumeric characters]

Example

'PAR'

PAR means that the traveler was looking for a trip to the city of Paris, France (any airport).

Round Trip Indicator (mandatory)

Description

Determine whether the user was searching for a one way flight (0) or a round trip flight (1)

Format

0 or 1

Example

'1'

1 means that the traveler searched for round trip flights.

Number of segments (mandatory)

Description

This field provides information about the number of segments which are part of the request (see below and example).

Format

1 number (from 1 to 6)

Example

'2'

¹ The International Air Transport Association (IATA) is an international industry trade group of airlines whose role is, among other things, to define all the Airline rules and regulations.

For each segment (up to 6)

A segment can be defined as one flight between a departure and an arrival. A trip can be defined as a set of segments between an origin and a destination.

E.g. If a traveler is searching explicitly for a round trip from **Miami** to **Paris** via **New York City**, the trip can involve 4 segments because there is one connection:

Segment 1

Departure 1: **Miami**

Arrival 1: **New York City**

[Connection]

Segment 2

Departure 2: **New York City**

Arrival 2: **Paris**

Segment 3

Departure 3: **Paris**

Arrival 3: **New York City**

[Connection]

Segment 4

Departure 4: **New York City**

Arrival 4: **Miami**

Segment x Departure (mandatory)

Description

IATA code corresponding to the city or the airport defined as the departure for the segment.

Note: for segment #1, this field always correspond to the "[Origin](#)" field

Format

[3 alphanumeric characters]

Example

'ATL'

Segment x Arrival (mandatory)

Description

IATA code corresponding to the city or the airport defined as the arrival for the segment.

Format

[3 alphanumeric characters]

Example

'NYC'

Segment x Date (mandatory)

Description

Date requested for the flight departure

Format

YYYY-MM-DD where:

- YYYY is the year of the flight departure
- MM is the month of the flight departure

Your Amadeus Point of Contact for support during the event



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