

FlightLookup



Supplementary Information Reference Guide

Version 2.7

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Base URL

<http://example.com/v1/xml>

Your assigned URL will be different than the above URL and should only be used by you. Your URL will have an assigned dataset. All collections will return results from your assigned dataset.

Argument Definitions:

{baseurl}	http://example.com/v1/xml
{airportiatacode}	3 character airport IATA code
{airlineiatacode}	2 or 3 character airline IATA code
{metroiatacode}	3 character metro IATA code
{countryiatacode}	2 character country IATA code
{location}	string name of a place i.e. boston
{lat}	numeric latitude
{lon}	numeric longitude

Collections exposed by the FlightLookup Supplementary APIs

- airlines/ Information about airlines
- airports/ Information about airports
- codes/ Entertainment, Equipment and Meal codes used by the airlines

Collection hierarchies

- airports/
 - airlines/
 - routes/
 - directs/
 - nonstops/
 - metros/
 - nearest/
 - regions/

- airlines/
 - countries/
 - routes/
 - directs/
 - nonstops/

- codes/
 - entertainment/
 - equipment/
 - meal/

Airports Collection

Return a list of airports

example.com/v1/xml/airports/

```
<Airports>
  <Airport IATACode="AAA" Country="PF" State="" Name="Anaa" Latitude="-17.352" Longitude="-145.51"/>
  <Airport IATACode="AAE" Country="DZ" State="" Name="Annaba" Latitude="36.822" Longitude="7.809"/
  .
  .
</Airports>
```

Return airport information

example.com/v1/xml/airports/{airportiatacode}/

```
<Airports>
  <Airport IATACode="BNA" State="TN" Country="US" Name="Nashville" Latitude="36.124" Longitude="-
  86.678"/>
</Airports>
```

Return a list of carriers operating out of an airport

example.com/v1/xml/airports/{airportiatacode}/airlines/

```
<Airports>
  <Carrier IATACode="BNA" Code="AA" Name="American Airlines"/><Carrier IATACode="BNA" Code="AB"
  Name="Air Berlin"/>
  .
  .
</Airports>
```

Returns a list of nonstop and direct routes for an airport

example.com/v1/xml/airports/{airportiatacode}/routes/

```
<Airports>
  <Routes>
    <NonStops>
      <NonStop From="AHN" To="BNA" Carrier="K5" Code="" />
      <NonStop From="ATL" To="BNA" Carrier="AF" Code="C" />
      .
      .
    </NonStops>
    <Directs>
      <Route From="ABQ" To="BNA" Carrier="FL" Hops="3">ABQ-MCI-MCO-BNA</Route>
      <Route From="ABQ" To="BNA" Carrier="WN" Hops="2">ABQ-SAN-BNA</Route>
      .
    </Directs>
  </Routes>
</Airports>
```

Returns a list of nonstop and direct routes for an airport restricted to an airline

example.com/v1/xml/airports/{airportiatacode}/routes/{airlineiatacode}/

```
<Airports>
  <Routes>
    <NonStops>
      <NonStop From="BNA" To="DEN" Carrier="F9" Code="" />
      <NonStop From="BNA" To="TTN" Carrier="F9" Code="" />
      .
    </NonStops>
    <Directs>
      <Route From="BNA" To="PHX" Carrier="F9" Hops="2">BNA-DEN-PHX</Route>
      <Route From="PDX" To="BNA" Carrier="F9" Hops="2">PDX-DEN-BNA</Route>
      .
    </Directs>
  </Routes>
</Airports>
```

Returns a list of direct routes for an airport

example.com/v1/xml/airports/{airportiatacode}/routes/directs/

```
<Airports>
  <Routes>
    <Directs>
      <Route From="ABQ" To="BNA" Carrier="FL" Hops="3">ABQ-MCI-MCO-BNA</Route>
      <Route From="ABQ" To="BNA" Carrier="WN" Hops="2">ABQ-SAN-BNA</Route>
      .
      .
    </Directs>
  </Routes>
</Airports>
```

Returns a list of direct routes for an airport restricted to an airline

example.com/v1/xml/airports/{airportiatacode}/routes/directs/{airlineiatacode}/

```
<Airports>
  <Routes>
    <Directs>
      <Route From="BNA" To="PHX" Carrier="F9" Hops="2">BNA-DEN-PHX</Route>
      <Route From="PDX" To="BNA" Carrier="F9" Hops="2">PDX-DEN-BNA</Route>
      .
      .
    </Directs>
  </Routes>
</Airports>
```

Returns a list of nonstop routes for an airport

example.com/v1/xml/airports/{airportiatacode}/routes/nonstops/

```
<Airports>
  <Routes>
    <NonStops>
      <NonStop From="AHN" To="BNA" Carrier="K5" Code=""/>
      <NonStop From="ATL" To="BNA" Carrier="AF" Code="C"/>
      .
      .
    </NonStops>
  </Routes>
</Airports>
```


Returns a list of nonstop routes for an airport restricted to an airline

example.com/v1/xml/airports/{airportiatacode}/routes/nonstops/{airlineiatacode}/

```
<Airports>
  <Routes>
    <NonStops>
      <NonStop From="BNA" To="DEN" Carrier="F9" Code="" />
      <NonStop From="BNA" To="TTN" Carrier="F9" Code="" />
      .
    </NonStops>
  </Routes>
</Airports>
```

Airports/Countries

Returns a list of country IATA codes

example.com/v1/xml/airports/countries/

```
<Countries>
  <Country IATACode="BD" Name="Bangladesh" />
  <Country IATACode="BE" Name="Belgium" />
  .
</Countries>
```

Returns a list of airports in a country

example.com/v1/xml/airports/countries/{countryiatacode}/

```
<Airports>
  <Airport IATACode="AKV" Country="CA" State="QC" Name="Akulivik" Latitude="60.819" Longitude="-78.149" />
  <Airport IATACode="CXH" Country="CA" State="BC" Name="Vancouver Coal Harbour" Latitude="49.3"
  .
  .
</Airports>
```

Airports/Metros

Returns a list of metro IATA codes

example.com/v1/xml/airports/metros/

```
<Metros>
  <Metro IATACode="AIY" Country="US" State="NJ" Name="Atlantic City (ALL)"/>
  <Metro IATACode="ALY" Country="EG" State="" Name="Alexandria (ALL)"/>
  .
  .
</Metros>
```

Returns a list of airports in a metro

example.com/v1/xml/airports/metros/{metroiatacode}/

```
<Airports>
  <Airport IATACode="EWR" Country="US" State="NJ" Name="Newark" Latitude="40.693" Longitude="-74.169"/>
  <Airport IATACode="JFK" Country="US" State="NY" Name="New York JFK" Latitude="40.64" Longitude="-73.779"/>
  <Airport IATACode="LGA" Country="US" State="NY" Name="New York La Guardia" Latitude="40.777" Longitude="-73.873"/>
</Airports>
```

Airports/Nearest

Returns the latitude and longitude for location search results

example.com/v1/xml/airports/nearest/{countryiatacode}/{location}/

```
<Places Query="truro, us">
  <Place Name="Truro, MA, USA" Latitude="41.99477" Longitude="-70.0490107"/>
  <Place Name="Truro, IA 50257, USA" Latitude="41.2097152" Longitude="-93.8466116"/>
  <Place Name="Truro, IL 61489, USA" Latitude="40.9575373" Longitude="-90.0423372"/>
</Places>
```

Returns the nearest airports for a given latitude and longitude

example.com/v1/xml/airports/nearest/{lat}/{lon}/

```
<Airports Near="" Latitude="41.99477" Longitude="-30.00000">
  <Airport IATACode="CVU" Latitude="39.70000" Longitude="-31.10000" Distance="169"/>
  <Airport IATACode="FLW" Latitude="39.45528" Longitude="-31.13139" Distance="185"/>
  <Airport IATACode="GRW" Latitude="39.09222" Longitude="-28.02972" Distance="226"/>
  <Airport IATACode="HOR" Latitude="38.52000" Longitude="-28.71639" Distance="250"/>
  <Airport IATACode="SJZ" Latitude="38.66556" Longitude="-28.17583" Distance="250"/>
  <Airport IATACode="PIX" Latitude="38.55444" Longitude="-28.44139" Distance="252"/>
  <Airport IATACode="TER" Latitude="38.76194" Longitude="-27.09083" Distance="271"/>
  <Airport IATACode="PDL" Latitude="37.74111" Longitude="-25.69778" Distance="372"/>
  <Airport IATACode="SMA" Latitude="36.97389" Longitude="-25.17111" Distance="432"/>
  <Airport IATACode="PXO" Latitude="33.07083" Longitude="-16.34972" Distance="968"/>
</Airports>
```

Airline Collection

Return a list of airlines and the countries they operate in

example.com/v1/xml/airlines/

```
<Airlines>
  <Airline IATACode="2B" ICAOCODE="ARD" Name="AK Bars Aero">
    <Country IATACode="AM" />
    <Country IATACode="RU" />
  </Airline>
  <Airline IATACode="2E" Name="Smokey Bay Air">
    <Country IATACode="US" />
  </Airline>
  .
  .
</Airlines>
```

Return a list of the countries that an airline operates in

example.com/v1/xml/airlines/{airlineiatacode}/

example.com/v1/xml/airlines/{airlineiatacode}/countries/

```
<Airlines>
  <Airline IATACode="F9" ICAOCODE="FFT" Name="Frontier Airlines">
    <Country IATACode="CR" />
    <Country IATACode="DO" />
    <Country IATACode="JM" />
    <Country IATACode="MX" />
    <Country IATACode="US" />
  </Airline>
</Airlines>
```

Return a list of airports in a country an airline operates in

example.com/v1/xml/airlines/{airlineiatacode}/countries/{countryiatacode}/

```
<Airlines>
  <Airline IATACode="F9" ICAOCode="FFT" Name="Frontier Airlines">
    <Airports>
      <Airport IATACode="ANC" Country="US" State="AK" Name="Anchorage"
        Latitude="61.174" Longitude="-149.996" />
      <Airport IATACode="ATL" Country="US" State="GA" Name="Atlanta"
        Latitude="33.637" Longitude="-84.428" /
      .
    </Airports>
  </Airline>
</Airlines>
```

Return a list of nonstop and direct flights for an airline

example.com/v1/xml/airlines/{airlineiatacode}/routes/

```
<Airlines>
  <Airline IATACode="WN" ICAOCode="SWA" Name="Southwest Airlines">
    <Routes>
      <NonStops>
        <NonStop From='AIA' To='CDR' Carrier='F9' Code='C' />
        <NonStop From="ABQ" To="BWI" Carrier="WN" Code="" />
        .
      </NonStops>
      <Directs>
        <Route From='AIA' To='DEN' Carrier='F9' Hops='2'>AIA-CDR-DEN</Route>
        <Route From='ATL' To='GEG' Carrier='F9' Hops='2'>ATL-DEN-GEG</Route>
        .
      </Directs>
    </Routes>
  </Airline>
```

Return a list of nonstop and direct flights for an airline from an airport

example.com/v1/xml/airlines/{airlineiatacode}/routes/{airportiatacode}/

```
<Airlines>
  <Airline IATACode="F9" ICAOCode="FFT" Name="Frontier Airlines">
    <Routes>
      <NonStops>
        <NonStop From='BNA' To='DEN' Carrier='F9' Code="" />
        <NonStop From='BNA' To='TTN' Carrier='F9' Code="" />
        <NonStop From='DEN' To='BNA' Carrier='F9' Code="" />
        <NonStop From='TTN' To='BNA' Carrier='F9' Code="" />
      </NonStops>
      <Directs>
        <Route From='BNA' To='PHX' Carrier='F9' Hops='2'>BNA-DEN-PHX</Route>
        <Route From='PDX' To='BNA' Carrier='F9' Hops='2'>PDX-DEN-BNA</Route>
      </Directs>
    </Routes>
  </Airline>
</Airlines>
```

Return a list of direct flights for an airline

example.com/v1/xml/airlines/{airlineiatacode}/routes/directs/

```
<Airlines>
  <Airline IATACode="F9" ICAOCode="FFT" Name="Frontier Airlines">
    <Routes>
      <Directs>
        <Route From='AIA' To='DEN' Carrier='F9' Hops='2'>AIA-CDR-DEN</Route>
        <Route From='ATL' To='GEG' Carrier='F9' Hops='2'>ATL-DEN-GEG</Route>
        .
        .
      </Directs>
    </Routes>
  </Airline>
</Airlines>
```

Return a list of direct flights for an airline from an airport

example.com/v1/xml/airlines/{airlineiatacode}/routes/directs/{airportiatacode}/

```
<Airlines>
  <Airline IATACode="F9" ICAOCode="FFT" Name="Frontier Airlines">
    <Routes>
      <Directs>
        <Route From='BNA' To='PHX' Carrier='F9' Hops='2'>BNA-DEN-PHX</Route>
      </Directs>
    </Routes>
  </Airline>
</Airlines>
```

Return a list of nonstop flights for an airline

example.com/v1/xml/airlines/{airlineiatacode}/routes/nonstops/

```
<Airlines>
  <Airline IATACode="F9" ICAOCode="FFT" Name="Frontier Airlines">
    <Routes>
      <NonStops>
        <NonStop From='AIA' To='CDR' Carrier='F9' Code='C' />
        <NonStop From='ALS' To='DEN' Carrier='F9' Code='C' />
        .
        .
      </NonStops>
    </Routes>
  </Airline>
</Airlines>
```

Return a list of nonstop flights for an airline from an airport

example.com/v1/xml/airlines/{airlineiatacode}/routes/nonstops/{airportiatacode}/

```
<Airlines>
  <Airline IATACode="F9" ICAOCode="FFT" Name="Frontier Airlines">
    <Routes>
      <NonStops>
        <NonStop From='BNA' To='DEN' Carrier='F9' Code='' />
        <NonStop From='BNA' To='TTN' Carrier='F9' Code='' />
      </NonStops>
    </Routes>
  </Airline>
</Airlines>
```

Codes Collection

Return a list of IATA in flight entertainment codes

example.com/v1/xml/codes/entertainment/

```
<EntertainmentCodes>
  <Entertainment IATACode="1" Name="Movie"/>
  .
  .
</EntertainmentCodes>
```

Return a list of IATA equipment codes (airplane types)

example.com/v1/xml/codes/equipment/

```
<Equipments>
  <Equipment IATACode="LRJ" Name="Learjet"/>
  .
  .
</Equipments>
```

Return a list of IATA meal codes

example.com/v1/xml/codes/meal/

```
<Meals>
  <Meal IATACode="B" Name="Breakfast"/>
  .
  .
```