

Paris Airports - KML

Airports Points Of Interest



AÉROPORTS DE PARIS

Points of Interest - KML

Hackathon – A660

Version			
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1.0	22/01/2015	Olivier MONGIN	Document creation
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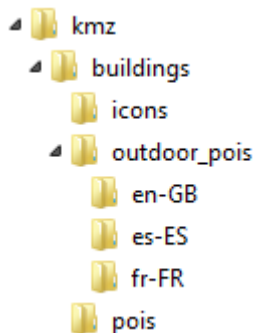
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1 Introduction

The KMZ file contains all the KML files describing Paris airports terminals and levels polygons and the information to get the POIs from WebAPI.

1.1 KMZ File tree

The KMZ file is a zipped file with the following file tree:



- **Kmz:** contains airport .kml files (one per airport)
- **Buildings:** contains levels .kml files (one per terminal)
- **Icons:** contains them icons.
- **Outdoor_poi:** for each language, contains outdoor POIs descriptions ([JSON](#)).
- **Pois (unused)**

1.2 KML file description

<Style> tags, at the beginning of the files, describe styles used to draw polygons (boundary and interior color and width):

```
<Style id="PolygonStyle3">
  <LineStyle>
    <color>ffc8c1be</color>
    <width>2</width>
  </LineStyle>
  <PolyStyle>
    <color>ffc8c1be</color>
  </PolyStyle>
</Style>
```

<placemark> tags contains information about geographical objects and describe polygons (terminals and levels):

```
<Placemark>
  <name>Terminal 1</name>
  <ExtendedData>
    <Data name="tasCode">
      <value>C1</value>
    </Data>
    <Data name="localizedName">
      <value>en-GB:Terminal 1;fr-FR:Terminal 1</value>
    </Data>
  </ExtendedData>
  <description>T1</description>
  <visibility>1</visibility>
  <styleUrl>#PolygonStyle</styleUrl>
  <Polygon>
    <altitudeMode>absolute</altitudeMode>
    <outerBoundaryIs>
      <LinearRing>
        <coordinates>
          2.53821,49.01495,200
          2.538812,49.01477,200
          2.538799,49.01465,200
          2.540529,49.01455,200
          2.540541,49.0146,200
        </coordinates>
      </LinearRing>
    </outerBoundaryIs>
  </Polygon>
</Placemark>
```

2 Airport KML

ORY.KML contains Paris – Orly terminals.

CDG.KML contains Paris – Charles de Gaulle terminals.

In this file, a placemark is a building.

2.1 <Placemark> description

Name	Description
Name	Building name
ExtendedData/tasCode	Building TASCode
ExtendedData/localizedName	Building labels (French and English)
Description	Name of the kml file describing building levels (=TerminalName of the WebAPI)
Visibility	If the building name should be seen by the passenger (on a map for example)
styleUrl	Style to use to draw the terminal
Polygon	The points of the terminal (WGS84)

3 Terminal KML

For example, T1.KML contains Terminal 1 level polygons.

In this file, a folder is a level and a placemark represents an area of the level (public area, restricted area or shopping / check-in area) or a boundary (line).

3.1 <Folder> description

Name	Description
Folder/id	Floor number of the level
Name	Level labels (French and English)

3.2 <Placemark> description

Name	Description
Name	Internal id
Description	If the level is the default level of the terminal (if "Selected=1"). The default level is the level to be shown when accessing to the terminal
styleUrl	Style to use to draw the terminal
Polygon	The points of the area (WGS84)
LineString	The points of the boundary (WGS84)

The order of the placemark in the file sets the drawing order (the last placemark must be drawn over the precedents).

4 Display

To display a level terminal, you can:

- Display the terminal from Airport KML
- Find the terminal KML file with the description of the placemark in the airport KML
- Find the level to display with the folder id if you need a particular level or with the description tag if you need the default level (the one with the "Selected=1" value).
- Display the areas in the same order than the terminal kml file
- Find the POIs from the webAPI
<http://hackathonapi.aeroportsdeparis.fr/ADP.WebAPI.PoiServices /API/ Pois> and filter the response with the TerminalName / Technical property and the floor number (level property)
- Use icon and color information to display the POI at the given WGS84 position