

Paris Airports - Web API

Airports Points Of Interest



AÉROPORTS DE PARIS

WebAPI – Airports Points of Interest

Hackathon – A660

Version			
Version	Date	writer	Comment
1.0	22/01/2015	Olivier MONGIN	Document creation

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1 Introduction

This web API is a restful web API. It provide some information about points of interest in our airports (outdoor and indoor).

1.1 Protocol

This API use http protocol. You can decide to use JSON or XML. If you are building Web Pages for AJAX calls, then JSON is a good choice.

2 Web service

2.1 Objects

2.1.1 Language

This object is used to get available language.

Name	Type	Description
Id	integer	
LanguageName	String	Language name

2.1.1.1 Request

You can use this API with HTTP GET.

Request URI	Version
GET <i>http://hackathonapi.aeroportsdeparis.fr/ADP.WebAPI.PoiServices/</i> <i>/API/Languages?apiKey={apiKey}</i>	HTTP/1.1

You can use parameters

Parameters name	Type	Description
APIKey	string	API authentication token

2.1.1.2 Response

Response body:

```
[{
  "Id": 1,
  "LanguageName": "fr-FR"
},
{
  "Id": 2,
  "LanguageName": "en-GB"
}]
```

2.1.2 TAS

This object is a Paris airports geoloc code.

Name	Type	Description
Id	integer	
TasName	String	TAS name
CodeTas	String	TAS code
TypeTasId	Integer	TAS type (example : 1=>Airport, 2=>Terminal)
CodeTasParent	Integer	Parent code
CodeTasChild	Integer	Child code

2.1.2.1 Request

You can use this API with HTTP GET.

	Request URI	Version
GET	<code>http://hackathonapi.aeroportsdeparis.fr/ADP.WebAPI.PoiServices/API/Tas?apiKey={apiKey}</code>	HTTP/1.1

You can use parameters

Parameters name	Type	Description
APIKey	string	API authentication token

2.1.2.2 Response

Response body:

```
[ {
  "Id": 1,
  "TasName": " Charles de gaulle",
  "CodeTas": "C",
  "TypeTasId": 1,
  "CodeTasParent": null,
  "CodeTasChild": "C"
},
{
  "Id": 2,
  "TasName": " Terminal 1",
  "CodeTas": "C1",
  "TypeTasId": 2,
  "CodeTasParent": "C",
  "CodeTasChild": "1"
}]
```

2.1.3 Category

This object is the POI category.

Name	Type	Description
CategoryId	integer	
CategoryName	String	Category name
CategoryIconPath	String	Icon path
CategoryIconMD5	GUID	
ColorCode	Integer	Color which is used in the airport
Trigram	String	Code

2.1.3.1 Request

You can use this API with HTTP GET.

Request URI	Version
GET http://hackathonapi.aeroportsdeparis.fr/ADP.WebAPI.PoiServices/API/Categories?apiKey={apiKey}&tasCode={tasCode}&lang={lang}	HTTP/1.1

You can use parameters

Parameters name	Type	Description
APIKey	string	API authentication token
tasCode	String	TAS code
Lang	String	Language code for the response

2.1.3.2 Response

Response body:

```
[ {
  "CategoryId": 1,
  "CategoryName": "Services",
  "CategoryIconPath": "./Images/Pictos/GetCategoryIcon1.png",
  "CategoryIconMD5": "46ed4c3b-4cb3-24ba-6e94-5747b1faa12e",
  "ColorCode": 15626538,
  "Trigram": "SER"
},
{
  "CategoryId": 8,
  "CategoryName": "Car parks",
  "CategoryIconPath": "./Images/Pictos/GetCategoryIcon8.png",
  "CategoryIconMD5": "e1b99a26-2c97-8c75-bc51-11c7dde30ecb",
  "ColorCode": 41185,
  "Trigram": "PAR"
}
]
```

2.1.4 Terminal

This object is a Paris airports Terminal (Buildings to be displayed to the passenger).

Name	Type	Description
Id	integer	
TerminalName	String	Terminal name (for passenger)
AirTerminalId	String	Terminal id
AirTerminalName	String	Air terminal name
CodeTas	String	Code TAS
CodeModule	String	Module code

2.1.4.1 Request

You can use this API with HTTP GET.

	Request URI	Version
GET	<i>http://hackathonapi.aeroportsdeparis.fr/ADP.WebAPI.PoiServices/API/Terminals?apiKey={apiKey}&tasCode={tasCode}&lang={lang}</i>	HTTP/1.1

You can use parameters

Parameters name	Type	Description
APIKey	string	API authentication token
tasCode	String	TAS code
Lang	String	Language code for the response

2.1.4.2 Response

Response body:

```
[ {
  "Id": 4,
  "TerminalName": "Terminal 1",
  "AirTerminalId": 2,
  "AirTerminalName": "Terminal 1",
  "CodeTas": "C1",
  "CodeModule": ""
},
{
  "Id": 18,
  "TerminalName": " Terminal 2B",
  "AirTerminalId": 1,
  "AirTerminalName": " Terminal 2",
  "CodeTas": "C2B",
  "CodeModule": ""
}
```

}}

2.1.5 Them

This object is the POI them. A Category contains several them.

Name	Type	Description
CategoryId	integer	
Themeld	integer	
ThemeName	String	Them name
ThemelconPath	String	Icon path
ThemelconMD5	GUID	

2.1.5.1 Request

You can use this API with HTTP GET.

Request URI	Version
GET <i>http://hackathonapi.aeroportsdeparis.fr/ADP.WebAPI.PoiServices/</i> <i>/API/Themes?apiKey={apiKey}&tasCode={tasCode}&lang={lang}&CategoryId={CategoryId}</i>	HTTP/1.1

You can use parameters

Parameters name	Type	Description
APIKey	string	API authentication token
tasCode	String	TAS code
Lang	String	Language code for the response
CategoryId	String	Request theme category

2.1.5.2 Response

Response body:

```
[ {
  "Themeld": 112,
  "CategoryId": 1,
  "ThemeName": "Airport hotels",
  "ThemelconPath": " ./Images/Pictos/GetThemelcon112.png",
  "ThemelconMD5": " 88745914-7771-355f-1209-4ebbf75adb2"
}]
```


2.1.6 POI

Points of interest in our airports (outdoor and indoor).

Name	Type	Description
Id	integer	
PoiName	String	Point of interest name
IsPublic	Bool	If POI is in Public zone
Time		
TimeRange		Information about opening times
TerminalName	Object	Internal and public Terminal / building name
LevelName	String	Name level
Level	Int	Number level
WGS84	Object	WGS84 coordinates
IsOutdoor	Bool	If POI is outdoor
Theme	Object	Poi theme
Category	Object	Poi category
Brand	String	Poi brand
CategoryId	Int	Category id
CategoryName	String	POI category name
ColorCode	Int	POI color code
BrandName	String	POI brand name
BrandIconPath	String	POI brand icon
WGS84_x	Object	WGS84 coordinate
WGS84_y	Object	WGS84 coordinate
Terminal	String	Poi terminal name

2.1.6.1 Request

You can use this API with HTTP GET.

Request URI	Version
GET <i>http://hackathonapi.aeroportsdeparis.fr/ADP.WebAPI.PoiServices /API/Pois/{id}?apiKey={apiKey}</i>	HTTP/1.1
GET <i>http://hackathonapi.aeroportsdeparis.fr/ADP.WebAPI.PoiServices /API/Pois?apiKey={apiKey}&TasCode={TasCode}&lang={lang}&category={category}&theme={theme}&isPublic={isPublic}</i>	HTTP/1.1

You can use parameters

Parameters name	Type	Description
APIKey	string	API authentication token
tasCode	String	TAS code
Lang	String	Language code for the response

CategoryId	Int	Request POI category
Theme	Int	Request Poi theme
isPublic	Int	If POI is in public zone (1) or Restricted Area (0). -1 to get both

2.1.6.2 Response

Response body:

```
[ {
  "Id": 2798,
  "PoiName": "Distributor Pharmacy",
  "Description": "Pharmacies are at the disposal of passengers. Some pharmacies offer, on top of the usual products (medicines), advice and products particularly useful for travellers and a complementary range of non-medical, herbal, aromatherapy etc. products.",
  "IsPublic": "true",
  "Time": -1,
  "TimeRanges": [0],
  "Score": 0,
  "PhotoPaths": [0],
  "CodeTas": "C2E",
  "TerminalName": {
    "Translated": "Terminal 2E Hall K",
    "Technical": "2E",
  },
  "LevelName": "Level 2",
  "Level": 2,
  "WGS84": {...},
  "IsOutdoor": "false",
  "Theme": {...},
  "Category": {...},
  "Brand": null,
  "ThemeIconMD5": "4ee5a3ab-c603-c0ca-9bab-8dd1ed42bb31",
  "CategoryId": 1,
  "CategoryName": "Services",
  "ColorCode": 15626538,
  "BrandName": "Pharmacie",
  "BrandIconPath": null,
  "WGS84_x": 2.5773086158761997,
  "WGS84_y": 49.003315558755354,
  "Terminal": "Terminal 2E Hall K"
}]
```