

API Documentation GPSies.com

This document describes the access to get a XML resultlist of GPSies.com.

ATTENTION!

From March 1 2011 you need an API key to access the API. The API key can be requested by the contact form of GPSies.com. Please apply your key by specifying your name and your e-mail address. The access to the API is free.

See also (German only): <http://blog.gpsies.com/article/162/aenderungen-an-api-neues-format-trainingpeaks-pwx-und-via-ferrata>

This types of requests are possible:

1. Geocoordinate with perimeter
2. Bounding box (BBOX)
3. ZIP or city (with countrycode)
4. Username (optional with countrycode)
5. Parameter "fileId" (also several)
6. Search with countrycode and search text and/or username and/or client name
7. Traverse all tracks in a country

The call is defined as a REST-request

Example for 1: Geocoordinate with perimeter:

http://www.gpsies.com/api.do?key=<API_key>&lat=51&lon=10&perimeter=80&limit=20&trackTypes=jogging&filetype=kml

or

Example for 2: Bounding box (BBOX):

http://www.gpsies.com/api.do?key=<API_key>&BBOX=10,51,12,53&limit=20&trackTypes=jogging&filetype=kml

or

Example for 3: ZIP (with countrycode):

http://www.gpsies.com/api.do?key=<API_key>&zip=12169&country=DE&limit=20&trackTypes=jogging&filetype=kml

Example for 3: city (with countrycode):

http://www.gpsies.com/api.do?key=<API_key>&city=berlin&country=DE&limit=20&trackTypes=jogging&filetype=kml

or

Example for 4: Username:

http://www.gpsies.com/api.do?key=<API_key>&username=GPSies&limit=20&filetype=kml

Example for 4: Username (with countrycode):

http://www.gpsies.com/api.do?key=<API_key>&username=GPSies&country=DE&limit=20&filetype=kml

or

Example for 5: Parameter „fileId“:

http://www.gpsies.com/api.do?key=<API_key>&fileId=haublpggdenoekmb

Example for 5: Parameter „fileId“ several:

http://www.gpsies.com/api.do?key=<API_key>&fileId=haublpggdenoekmb&fileId=mniajyeljeaaambd

or

Example for 6: Search in country by text and username:

http://www.gpsies.com/api.do?key=<API_key>&searchText=test&country=DE&searchUsername=gpsies

Example for 6: Search in country by text:

http://www.gpsies.com/api.do?key=<API_key>&searchText=test&country=DE

or

Example for 7: traverse all tracks in a country:

http://www.gpsies.com/api.do?key=<API_key>&country=DE

You'll get always a XML response – also in case of no data found.

The response XML contains the search request and the amount of the resulting data (resultSize) within the tag <meta>.

Example:

```
<meta>
  <lat>51</lat>
  <lon>10</lon>
  <perimeter>80</perimeter>
  <trackType>jogging</trackType>
  <resultPage>1</resultPage>
  <limit>20</limit>
  <northWestLat>51.067494600431964</northWestLat>
  <northWestLon>9.67824994137931</northWestLon>
  <southEastLat>50.797516198704095</southEastLat>
  <southEastLon>10.107250019540231</southEastLon>
  <resultSize>20</resultSize>
</meta>
```

Parameter

Mandatory *

1) Geocoordinate (latitude / longitude) with perimeter:

lat (* together with lon)

Latitude, as double

lon (*together with lat)

Longitude, as double

perimeter

Perimeter in kilometer, as double, default 50

OR

2) Bounding box (BBOX):

BBOX *

BBOX=[longitude_west, latitude_south, longitude_east, latitude_north] als double

OR

3) ZIP or city and countrycode:

zip * (or city)

ZIP

city * (or zip)

City

country

Countrycode, 2 digits, ISO 3166 Codes (Countries), uppercase

OR

4) Username:

username *

Username

country

Countrycode, 2 digits, ISO 3166 Codes (Countries), uppercase

OR

5) Parameter fileId:

fileId *

Id of the track(s), several uses possible. This is the best method to get more information to the track (username, more attributes, ...)

trackDataLength

By adding the additional parameter "trackLength" with a number as value the track itself will be added into the XML response (Kompass-format). The amount of values (valid values as integer) must be between 10 and 500.

Example:

http://www.gpsies.com/api.do?key=<API_key>&fileId=vabedgswzlivkirf&trackDataLength=250

In this example the track will be delivered with an amount of 250 points.

OR

6) Search:

country *

Countrycode, 2 digits, ISO 3166 Codes (Countries), uppercase

searchText

search text

searchUsername

username

searchClient

client or device name

The search allows more parameter. Look at the sourcecode of the GPSies.com search form to get the parameter names. Try it out 😊

More Parameters:

resultPage

Result page, to use with limit, as int, default 1

limit

Max. count of results, as int, default 10

trackTypes

Activity, values: trekking, walking, jogging, skating, crossskating, biking, racingbike, mountainbiking, motorbiking, car, riding, canoeing, boating, climbing, flying, train, skiingAlpine, skiingNordic, wintersports, geocaching, miscellaneous

trackProperty

Roundtrip or one-way-trip. values: *roundtrip* or *onewaytrip*

device

Outputformat, values: e.g. *Run.GPS* or *BikeGPS* or *your device (please contact GPSies.com)*

cdata

Deliver text results as CDATA, values: *true* or *false*, default: false

htmlDescription

Deliver description of track as HTML, value: *true* or *false*, default: false

filetype

Fileformat Downloadlink.

Values: kml, kmz, pcx5Trk, gpxTrk, gpxRte, crs, tcx, logbook, ovl, fugawi, kompass, excel, oziExplorer, ikt, qpeGpsTrk, navigonRte, tomTomRte, magellanTrk, gpxWpt, pcx5Wpt, poiWarner, loc, kmlWpt.

desc

Revert result, value: *true* or *false*, default: false

Example result

```
<?xml version="1.0" encoding="UTF-8"?>
<gpsies>
  <meta>
    <requestUrl>http://www.gpsies.com/api.do? ...</requestUrl>
    <resultPage>1</resultPage>
    <limit>10</limit>
    <resultSize>1</resultSize>
  </meta>
  <tracks>
    <track>
      <title>Panoramaweg Baden Baden</title>
      <fileId>zsabowayjvnikrqj</fileId>
      <createdDate>2006-12-05 15:26:05.0</createdDate>
      <description>Der erste Streckenabschnitt führt durch mächtige Buchenwälder..</description>
      <startPointLat>48.7736479</startPointLat>
      <startPointLon>8.22421099</startPointLon>
      <endPointLat>48.7628189</endPointLat>
      <endPointLon>8.26425997</endPointLon>
      <startPointCountry>DE</startPointCountry>
      <endPointCountry>DE</endPointCountry>
      <trackLengthM>6357.6450136697395</trackLengthM>
      <countTrackpoints>114</countTrackpoints>
      <externalLink>http://www.swr.de/aktiv/wandern/touren/beitrag8.html</externalLink>
      <altitudeMinHeightM>150</altitudeMinHeightM>
      <altitudeMaxHeightM>338</altitudeMaxHeightM>
      <altitudeDifferenceM>188</altitudeDifferenceM>
      <totalAscentM>402</totalAscentM>
      <totalDescentM>251</totalDescentM>
    </track>
  </tracks>
</gpsies>
```