

API Documentation GPSies.com

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

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 "fileld" (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?lat=51&lon=10&perimeter=80&limit=20&trackTypes=jogging&filetype=kml&device=Run.GPS>

or

Example for 2: Bounding box (BBOX):

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

or

Example for 3: ZIP (with countrycode):

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

Example for 3: city (with countrycode):

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

or

Example for 4: Username:

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

Example for 4: Username (with countrycode):

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

or

Example for 5: Parameter „fileld“:

<http://www.gpsies.com/api.do?fileld=haublpggdenoekmb>

Example for 5: Parameter „fileld“ several:

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

or

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

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

Example for 6: Search in country by text:

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

or

Example for 7: traverse all tracks in a country:

<http://www.gpsies.com/api.do?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, ...)

trackLengthData

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?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

trackType

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>
    </track>
  </tracks>
</gpsies>
```

```
<totalAscentM>402</totalAscentM>  
<totalDescentM>251</totalDescentM>  
</track>  
</tracks>  
</gpsies>
```