

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 "fileId" (also several)
6. Search with countrycode and search text and/or username

The call is defined as a REST-request

Example for 1: Geocoordinate with perimeter:

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

Example for 3: city (with countrycode):

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

or

Example for 4: Username:

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

Example for 4: Username (with countrycode):

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

or

Example for 5: Parameter „fileId“:

<http://www.gpsies.com/gpsiesXml.do?gpsiesXml=searchByCoords&fileId=haublpggdenoekmb>

Example for 5: Parameter „fileId“ several:

<http://www.gpsies.com/gpsiesXml.do?gpsiesXml=searchByCoords&fileId=haublpggdenoekmb&fileId=mniajyeljeaaambd>

or

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

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

Example for 6: Search in country by text:

<http://www.gpsies.com/gpsiesXml.do?gpsiesXml=searchByCoords&searchText=test&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>
  <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 int, 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 field:

field *

Id of the track(s), several use possible

OR

6) Search:

country *

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

searchText

search text

searchUsername

username

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:

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.

Example result

```
<?xml version="1.0" encoding="UTF-8"?>
<gpsies>
  <meta>
    <requestUrl>http://www.gpsies.com/gpsiesXml.do?gpsiesXml=searchByCoords...</requestUrl>
    <limit>10</limit>
    <resultSize>1</resultSize>
  </meta>
  <tracks>
    <track>
      <title>Panoramaweg Baden Baden</title>
      <fileId>zsabowayjvnikrq</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>
```