

GPS-server.net HTTP API 1.3

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Access to API

1. API is accessed via HTTP URL:

Example

```
SERVER_DOMAIN/api/api.php
```

2. Additionally to this you must choose which one API to use, server or user. Also API version should be set in HTTP URL:

Example

```
SERVER_DOMAIN/api/api.php?api=server&ver=1.0  
SERVER_DOMAIN/api/api.php?api=user&ver=1.0
```

3. Server API identification is done using key, which can be found in CPanel under Super Administrator account, in running GPS-server.exe application or config.php under \$gsValues['HW_KEY'] variable:

Example

```
SERVER_DOMAIN/api/api.php?api=server&ver=1.0&key=ABCABCABCABCABCABCABCABCABCABCABC
```

4. User API identification is done using key, which can be found in user account settings accessed via CPanel:

Example

```
SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABCABC
```

Command structure

HTTP variable “cmd” contains command and parameters. Command and parameters are split by comma. Command can have multiple parameters, every parameter is split by comma also.

Example

SERVER_DOMAIN/api/api.php?api=server&ver=1.0&key=ABCABCABCABCABCABCABCABCABCABCABC&cmd=ADD_USER,email@email.com

ADD_USER - command
email@email.com - parameter

Server API

Server API allows executing server related commands.

Example

SERVER_DOMAIN/api/api.php?api=server&ver=1.0&key=ABCABCABCABCABCABCABCABCABCABCABCABC&cmd=COMMAND

ADD_USER

Registers new user accounts with e-mail.

| Command structure | |
|-------------------|----------------|
| Command | ADD_USER |
| Parameter #1 | E-mail address |

Example

SERVER_DOMAIN/api/api.php?api=server&ver=1.0&key=ABCABCABCABCABCABCABCABCABCABCABC&cmd=ADD_USER,email@email.com

DEL_USER

Deletes user account.

| Command structure | |
|-------------------|----------------|
| Command | DEL_USER |
| Parameter #1 | E-mail address |

Example

```
SERVER_DOMAIN/api/api.php?api=server&ver=1.0&key=ABCABCABCABCABCABCABCABCABCABCABCAB&cmd=DEL_USER,email@email.com
```

ADD_OBJECT

Adds object to system.

| Command structure | |
|-------------------|---|
| Command | ADD_OBJECT |
| Parameter #1 | Object IMEI |
| Parameter #2 | Object name |
| Parameter #3 | Object activity period date, format: YYYY-MM-DD |

Example

```
SERVER_DOMAIN/api/api.php?api=server&ver=1.0&key=ABCABCABCABCABCABCABCABCABCABCABCAB&cmd=ADD_OBJECT,123456789012345,Car,2016-01-01
```

DEL_OBJECT

Deletes object from system.

| Command structure | |
|-------------------|-------------|
| Command | DEL_OBJECT |
| Parameter #1 | Object IMEI |

Example

SERVER_DOMAIN/api/api.php?api=server&ver=1.0&key=ABCABCABCABCABCABCABCABCABCABCABC&cmd=DEL_OBJECT,123456789012345

ADD_USER_OBJECT

Adds object to user account.

Command structure

| | |
|--------------|---------------------|
| Command | ADD_USER_OBJECT |
| Parameter #1 | User account e-mail |
| Parameter #2 | Object IMEI |

Example

SERVER_DOMAIN/api/api.php?api=server&ver=1.0&key=ABCABCABCABCABCABCABCABCABCABCABC&cmd=ADD_USER_OBJECT,email@email.com,123456789012345

DEL_USER_OBJECT

Deletes object to from user account.

Command structure

| | |
|--------------|---------------------|
| Command | DEL_USER_OBJECT |
| Parameter #1 | User account e-mail |
| Parameter #2 | Object IMEI |

Example

SERVER_DOMAIN/api/api.php?api=server&ver=1.0&key=ABCABCABCABCABCABCABCABCABCABCABC&cmd=DEL_USER_OBJECT,email@email.com,123456789012345

OBJECT_SET_ACTIVITY

Sets object activity period.

| Command structure | |
|-------------------|---|
| Command | OBJECT_SET_ACTIVITY |
| Parameter #1 | Object IMEI |
| Parameter #2 | Object activated, options: true or false |
| Parameter #3 | Object activity period date, format: YYYY-MM-DD |

Example

```
SERVER_DOMAIN/api/api.php?api=server&ver=1.0&key=ABCABCABCABCABCABCABCABCABCABC&cmd=OBJECT_SET_ACTIVITY,123456789012345,true,2016-01-01
```

User API

User API allows executing user account related commands.

USER_GET_OBJECTS

Get object list of current user account.

| Command structure | |
|-------------------|------------------|
| Command | USER_GET_OBJECTS |

Example

```
SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABCABC&cmd=USER_GET_OBJECTS
```

OBJECT_GET_CMDS

Get object commands which were sent for execution.

| Command structure | |
|-------------------|-----------------|
| Command | OBJECT_GET_CMDS |
| Parameter #1 | Object IMEI |

Example

```
SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABC&cmd=OBJECT_GET_CMDS,11111111111111
```

OBJECT_CMD_GPRS

Send ASCII or HEX command to object using GPRS gateway.

| Command structure | |
|-------------------|---|
| Command | OBJECT_CMD_GPRS |
| Parameter #1 | Object IMEI |
| Parameter #2 | Command name |
| Parameter #3 | Type (HEX or ASCII) |
| Parameter #4 | Command, if command type is ASCII it is important to use quotes (") |

Example

```
SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABC&cmd=OBJECT_CMD_GPRS,11111111111111,TEST,ASCII,"COMMAND_TEXT"
```

```
SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABC&cmd=OBJECT_CMD_GPRS,11111111111111,TEST,HEX,AABBCC
```

OBJECT_CMD_SMS

Send command to object using SMS gateway.

| Command structure | |
|-------------------|--|
| Command | OBJECT_CMD_SMS |
| Parameter #1 | Object IMEI |
| Parameter #2 | Command name |
| Parameter #3 | Command, it is important to use quotes (") |

Example

```
SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABC&cmd=OBJECT_CMD_SMS,11111111111111,TEST,"COMMAND_TEXT"
```

OBJECT_GET_LOCATIONS

Get object(s) last know location data in JSON format.

| Command structure | |
|-------------------|---|
| Command | OBJECT_GET_LOCATIONS |
| Parameter #1 | Object IMEI, for multiple IMEIs separate them via semicolon |

Example

```
SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABC&cmd=OBJECT_GET_LOCATIONS,11111111111111;22222222222222
```

OBJECT_GET_MESSAGES

Get object location messages for set period of time in JSON format.

| Command structure | |
|-------------------|---------------------|
| Command | OBJECT_GET_MESSAGES |
| Parameter #1 | Object IMEI |

| | |
|--------------|---|
| Parameter #2 | Date and time from, format: YYYY-MM-DD HH:MM:SS |
| Parameter #3 | Date and time to, format: YYYY-MM-DD HH:MM:SS |

| Example |
|--|
| SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABC&cmd=OBJECT_GET_MESSAGES,11111111111111,2016-01-01 00:00:00,2016-02-01 00:00:00 |

GET_ADDRESS

Get address from latitude and longitude using server geocoders.

| Command structure | |
|-------------------|-------------|
| Command | GET_ADDRESS |
| Parameter #1 | Latitude |
| Parameter #2 | Longitude |

| Example |
|---|
| SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABC&cmd=GET_ADDRESS,54.684314,25.285398 |

Location API

Location API allows location data insertion to database. Special identification is not needed. It can be used by GPS device manufacturers or smartphone application developers who look for an easy way to transmit location data to server via HTTP GET.

| Location structure | |
|--------------------|--|
| imei | GPS object identifier |
| dt | Date and time, format: YYYY-MM-DD HH:MM:SS, time zone: 0 UTC |
| lat | Latitude |
| lng | Longitude |
| altitude | Altitude in meters |
| angle | Angle in degree |

| | |
|-----------|--|
| speed | Speed in km/h |
| loc_valid | 1 is for valid GPS location, 0 is for invalid GPS location |
| params | Additional parameters for sensors, all should be split by “ ” character. More details: http://gps-server.net/docs/user-manual/sensor-parameters |
| event | Possible events: sos, bracon, bracoff, mandown, shock, tow, hacccl, hbrake, hcorn, pwrcut, gpscut, lowdc, lowbat, jamming |

LOCATION

Example

```
SERVER_DOMAIN/api/api_loc.php?imei=123456789012345&dt=2016-01-01
00:00:00&lat=54.000000&lng=25.000000&altitude=100&angle=45&speed=60&loc_valid=1&params=batp=100|acc=1|
```

LOCATION + EVENT

Example

```
SERVER_DOMAIN/api/api_loc.php?imei=123456789012345&dt=2016-01-01
00:00:00&lat=54.000000&lng=25.000000&altitude=100&angle=45&speed=60&loc_valid=1&params=batp=100|acc=1|&event=sos
```