

GPS-server.net HTTP API 1.3.4

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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 Manage Server section.

Example

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

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=ABCABCABCABCABC&cmd=ADD_USER,email@email.com,true
```

ADD_USER - command
email@email.com - parameter
true - parameter

Server API

Server API allows executing server related commands.

Example

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

CHECK_USER_EXISTS

Checks if user account is already registered.

Command structure

Command	CHECK_USER_EXISTS
Parameter #1	E-mail address

Example

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

ADD_USER

Registers new user accounts with e-mail.

Command structure	
Command	ADD_USER
Parameter #1	E-mail address
Parameter #2	Send credentials

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

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=ABCABCABCABCABC&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 expire, options: true or false
Parameter #4	Object expire date, format: YYYY-MM-DD

Example

SERVER_DOMAIN/api/api.php?api=server&ver=1.0&key=ABCABCABCABCABC&cmd=ADD_OBJECT,123456789012345,Car,false,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=ABCABCABCABCABC&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=ABCABCABCABCABC&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=ABCABCABCABC&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 active, options: true or false
Parameter #3	Object expire, options: true or false
Parameter #4	Object expire date, format: YYYY-MM-DD

Example

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

ADD_USER_BILLING_PLAN

Adds billing plan to user account.

Command structure	
Command	ADD_USER_BILLING_PLAN
Parameter #1	User account e-mail
Parameter #2	Billing plan ID

Example

```
SERVER_DOMAIN/api/api.php?api=server&ver=1.0&key=ABCABCABCABC&cmd=ADD_USER_BILLING_PLAN,email@email.com,1
```

GET_USER_API_KEY

Gets user API key.

Command structure	
Command	GET_USER_API_KEY
Parameter #1	User account e-mail

Example

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

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
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Example

SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCAABCABCABCABC&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=ABCAABCABCABCABC&cmd=OBJECT_GET_CMDS,1111111111111111

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
<p>SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABCABC&cmd=OBJECT_CMD_GPRS,11111111111111,TEST,ASCII,"COMMAND_TEXT"</p> <p>SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABCABC&cmd=OBJECT_CMD_GPRS,11111111111111,TEST,HEX,AABBCC</p>

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
<p>SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABCABC&cmd=OBJECT_CMD_SMS,11111111111111,TEST,"COMMAND_TEXT"</p>

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. Use "*" to get all available object locations.
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Example

SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABCABC&cmd=OBJECT_GET_LOCATIONS,111111111111111;222222222222222

SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABCABC&cmd=OBJECT_GET_LOCATIONS, *

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=ABCABCABCABCABC&cmd=OBJECT_GET_MESSAGES,111111111111111,2016-01-01 00:00:00,2016-02-01 00:00:00

USER_GET_MARKERS

Get marker list of current user account.

Command structure	
Command	USER_GET_MARKERS

Example

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

USER_GET_ROUTES

Get route list of current user account.

Command structure	
Command	USER_GET_ROUTES

Example
SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABCABC&cmd=USER_GET_ROUTES

USER_GET_ZONES

Get zone list of current user account.

Command structure	
Command	USER_GET_ZONES

Example
SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABCABC&cmd=USER_GET_ZONES

GET_ADDRESS

Get address from latitude and longitude using server geocoders.

Command structure	
Command	GET_ADDRESS
Parameter #1	Latitude

Parameter #2	Longitude
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Example
SERVER_DOMAIN/api/api.php?api=user&ver=1.0&key=ABCABCABCABCABC&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://www.docs.gps-server.net/user-manual/sensor-parameters
event	Possible events: sos, bracon, braccoff, mandown, shock, tow, haccel, 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¶ms=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
```