

GPS-server.net User API 1.13

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Access to API

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&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=user&key=ABCABCABCABCABC&cmd=OBJECT_GET_LOCATIONS,1111111111111111
```

OBJECT_GET_LOCATIONS - command
1111111111111111 - parameter

User API commands

User API allows executing user account related commands.

USER_GET_OBJECTS

Get object list of current user account.

Command structure

Command structure	
Command	USER_GET_OBJECTS

Example

SERVER_DOMAIN/api/api.php?api=user&key=ABCABCABCABC&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&key=ABCABCABCABC&cmd=OBJECT_GET_CMDS,111111111111111

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&key=ABCABCABCABC&cmd=OBJECT_CMD_GPRS,111111111111111,TEST,ASCII,"COMMAND_TEXT"

SERVER_DOMAIN/api/api.php?api=user&key=ABCABCABCABC&cmd=OBJECT_CMD_GPRS,111111111111111,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&key=ABCAABCABCAABC&cmd=OBJECT_CMD_SMS,1111111111111111,TEST,"COMMAND_TEXT"
```

OBJECT_GET_LOCATIONS

Get object(s) last known 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.

Example

```
SERVER_DOMAIN/api/api.php?api=user&key=ABCAABCABCAABC&cmd=OBJECT_GET_LOCATIONS,1111111111111111;2222222222222222
```

```
SERVER_DOMAIN/api/api.php?api=user&key=ABCAABCABCAABC&cmd=OBJECT_GET_LOCATIONS,*
```

OBJECT_GET_ROUTE

Get object route information including stops and events for set period of time in JSON format.

Command structure	
Command	OBJECT_GET_ROUTE
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
Parameter #4	Minimal stop duration in minutes (1, 2, 5, 10, 20, 30, 60, 120, 300)

Example

```
SERVER_DOMAIN/api/api.php?api=user&key=ABCABCABCABC&cmd=OBJECT_GET_ROUTE,11111111111111,2016-01-01 00:00:00,2016-02-01 00:00:00,1
```

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&key=ABCABCABCABC&cmd=OBJECT_GET_MESSAGES,11111111111111,2016-01-01 00:00:00,2016-02-01 00:00:00
```

OBJECT_GET_EVENTS

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

Command structure	
Command	OBJECT_GET_EVENTS
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&key=ABCABCABCABC&cmd=OBJECT_GET_EVENTS,11111111111111,2016-01-01 00:00:00,2016-02-01 00:00:00
```

OBJECT_GET_LAST_EVENTS

Get all user account object events for last 12 hours in JSON format.

Command structure	
Command	OBJECT_GET_LAST_EVENTS

Example

```
SERVER_DOMAIN/api/api.php?api=user&key=ABCABCABCABC&cmd=OBJECT_GET_LAST_EVENTS
```

OBJECT_GET_LAST_EVENTS_7D

Get all user account object events for last 7 days in JSON format.

Command structure	
Command	OBJECT_GET_LAST_EVENTS_7D

Example

```
SERVER_DOMAIN/api/api.php?api=user&key=ABCABCABCABCABC&cmd=OBJECT_GET_LAST_EVENTS_7D
```

USER_GET_MARKERS

Get marker list of current user account.

Command structure

Command
USER_GET_MARKERS

Example

```
SERVER_DOMAIN/api/api.php?api=user&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&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&key=ABCABCABCABCABC&cmd=USER_GET_ZONES

USER_GET_TASKS

Get task list of current user account.

Command structure	
Command	USER_GET_TASKS
Parameter #1	Object IMEI, for multiple IMEIs separate them via semicolon. Use "*" to get all available object locations.
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&key=ABCABCABCABCABC&cmd=USER_GET_TASKS,1111111111111111,2016-01-01 00:00:00,2016-02-01 00:00:00

USER_GET_RILOGBOOK

Get RFID and iButton logbook list of current user account.

Command structure	
Command	USER_GET_RILOGBOOK
Parameter #1	Object IMEI, for multiple IMEIs separate them via semicolon. Use "*" to get all available object locations.
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&key=ABCABCABCABC&cmd=USER_GET_RILOGBOOK,11111111111111,2016-01-01 00:00:00,2016-02-01 00:00:00
```

USER_GET_DTC

Get DTC list of current user account.

Command structure	
Command	USER_GET_DTC
Parameter #1	Object IMEI, for multiple IMEIs separate them via semicolon. Use "*" to get all available object locations.
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&key=ABCABCABCABC&cmd=USER_GET_DTC,11111111111111,2016-01-01 00:00:00,2016-02-01 00:00:00
```

USER_GET_MAINTENANCE

Get Maintenance list of current user account.

Command structure	
Command	USER_GET_MAINTENANCE
Parameter #1	Object IMEI, for multiple IMEIs separate them via semicolon. Use "*" to get all available object locations.

Example

```
SERVER_DOMAIN/api/api.php?api=user&key=ABCABCABCABC&cmd=USER_GET_MAINTENANCE,11111111111111
```

USER_GET_EXPENSES

Get Expenses list of current user account.

Command structure	
Command	USER_GET_EXPENSES
Parameter #1	Object IMEI, for multiple IMEIs separate them via semicolon. Use "*" to get all available object locations.
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&key=ABCABCABCABC&cmd=USER_GET_EXPENSES,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&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://www.docs.gps-server.net/user-manual/sensor-parameters
event	Possible events: sos, bracon, braccoff, dismount, disassem, door, mandown, shock, tow, pwrcut, gpscut, jamming, lowdc, lowbat, hacccl, hbrake, hcorn

LOCATION

Example
<code>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 </code>

LOCATION + EVENT

Example
<code>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</code>

Authentication API

Authentication API allows to login into system via URL. This allows 3rd party web page login dialog integration.

LOGIN

Example
SERVER_DOMAIN/login.php?username=USERNAME&password=PASSWORD&mobile=false
SERVER_DOMAIN/login.php?username=USERNAME&password=PASSWORD&mobile=true