

## User API 1.19

### 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
```

If API key is not known, but API access for user account is enabled, below example will return API key as result of correct credentials.

#### Example

```
SERVER_DOMAIN/api/api.php?api=user&username=USERNAME&password=PASSWORD
```

### 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\_GET\_OBJECTS

Get object list of current user account.

Command structure	
Command	USER_GET_OBJECTS

Example
SERVER_DOMAIN/api/api.php?api=user&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&key=ABCABCABCABCABC&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=ABCABCABCABCABC&cmd=OBJECT\_CMD\_GPRS,1111111111111111,TEST,ASCII,"COMMAND\_TEXT"

SERVER\_DOMAIN/api/api.php?api=user&key=ABCABCABCABCABC&cmd=OBJECT\_CMD\_GPRS,1111111111111111,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=ABCABCABCABCABC&cmd=OBJECT\_CMD\_SMS,1111111111111111,TEST,"COMMAND\_TEXT"

### OBJECT\_GET\_LOCATIONS

Get object(s) last know location data.

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=ABCABCABCABCABC&cmd=OBJECT\_GET\_LOCATIONS,11111111111111;22222222222222

SERVER\_DOMAIN/api/api.php?api=user&key=ABCABCABCABCABC&cmd=OBJECT\_GET\_LOCATIONS,\*

**OBJECT\_GET\_ROUTE**

Get object route information including stops and events for set period.

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=ABCABCABCABCABC&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.

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.

#### 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\_30M

Get all user account object events for last 30 minutes.

#### Command structure

Command	OBJECT_GET_LAST_EVENTS_30M
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#### Example

```
SERVER_DOMAIN/api/api.php?api=user&key=ABCABCABCABC&cmd=OBJECT_GET_LAST_EVENTS_30M
```

## OBJECT\_GET\_LAST\_EVENTS

Get all user account object events for last 12 hours.

### Command structure

Command	OBJECT_GET_LAST_EVENTS
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### Example

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

## OBJECT\_GET\_LAST\_EVENTS\_7D

Get all user account object events for last 7 days.

### Command structure

Command	OBJECT_GET_LAST_EVENTS_7D
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### 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
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### 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=ABCABCABCABC&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=ABCABCABCABC&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=ABCABCABCABC&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,1111111111111111,2016-01-01 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: <a href="http://www.docs.gps-server.net/user-manual/sensor-parameters">http://www.docs.gps-server.net/user-manual/sensor-parameters</a>
event	Possible events: sos, bracon, braccoff, dismount, disassem, door, mandown, shock, tow, pwrcut, gpscut, jamming, lowdc, lowbat, hacccl, hbrake, hcorn

## 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
```

## PARAMETERS UPDATE

### Example

```
SERVER_DOMAIN/api/api_loc.php?imei=123456789012345&params=batp=100|acc=1|
```

## Web Login API

Web Login API allows to login into system via URL. This allows 3<sup>rd</sup> party web page login dialog integration and will redirect to user account map section.

## LOGIN

### Example

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

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