

API Documentation

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General information about the API.

The API hosting platform is a set of scripts called via the HTTP protocol using the POST method (in cases of requests that do not require the transfer of input data sensitive to UTF-8 encoding, calls using the GET method are allowed).

All requests are made to the address of the domain to which the user belongs.

For example, if your website is <http://youserver.com> and the login address is <http://monitoring.youserver.com>, then for users linked to this website, requests should be sent to the domain monitoring.youserver.com.

An API key is required for all requests, which can be obtained in the settings menu of the hosting platform.

UTF-8 encoding is used for all API input and output data.

The server response is in JSON format.

Working with user accounts.

The "account" API interface allows you to create users, edit their data, and top up their balance.

Adding a new user.

API version 1.1

Request type: account

Example:

<http://hostname/api/v1.1/account?action=add&username=&pass=&email=&xusername=&xpassmd=&xkey=>

Request method: GET or POST

Request parameters:

action = add

username = username

pass = user password

email = user email

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, username, pass, email, xusername, xpassmd, xkey

Response type: json

Response parameters:

result - response code. All parameters below are returned only if result is equal to 1000

id - ID of the created user

tid - tariff identifier

tarif - tariff name

sid - company identifier

company - company name

currency - currency

lng - interface language

Obtaining user information

API version 1.1

Request type: account

Example:

`http://hostname/api/v1.1/account?action=get&username=&pass=&email=&xusername=&xpassmd=&xkey=`

Request method: GET or POST

Request parameters:

`action = get`

`username = username`

`xusername = hosting user name`

`xpassmd = hosting user password in md5`

`xkey = API key`

Required parameters: `action`, `username`, `xusername`, `xpassmd`, `xkey`

Response type: json

Response parameters:

`result` - response code. All parameters below are returned only when `result` is equal to 1000

`id` - ID of the created user

`tid` - tariff identifier

`tarif` - tariff name

`sid` - company identifier

`company` - company name

`currency` - currency

`lng` - interface language

User activation

API version 1.1

Request type: account

Example:

`http://hostname/api/v1.1/account?action=enable&username=&xusername=&xpassmd=&xkey=`

Request method: GET or POST

Request parameters:

`action = enable`

`username = username`

`xusername = hosting user name`

`xpassmd = hosting user password in md5`

`xkey = API key`

Required parameters: `action`, `username`, `xusername`, `xpassmd`, `xkey`

Response type: json

Response parameters:

`result` - response code

User deactivation

API version 1.1

Request type: account

Example:

`http://hostname/api/v1.1/account?action=disable&username=&xusername=&xpassmd=&xkey=`

Request method: GET or POST

Request parameters:

action = disable
username = username
xusername = hosting user name
xpassmd = hosting user password in md5
xkey = API key
Required parameters: action, username, xusername, xpassmd, xkey
Response type: json
Response parameters:
result - response code

Balance top-up

Balance top-up is only available to companies with "verified" status. See the Administrator's Guide, section "Companies".

API version 1.1
Request type: account
Example
`http://hostname/api/v1.1/account?action=pay&username=&value=&&xusername=&xpassmd=&xkey=`
Request method: GET or POST
Request parameters:
action = pay
username = username
value = float, the amount to be added to the balance in the user's currency
xusername = hosting user name
xpassmd = hosting user password in md5
xkey = API key
Required parameters: action, username, value, xusername, xpassmd, xkey
Response type: json
Response parameters:
result - response code

Password change

API version 1.1
Request type: account
Example:
`http://hostname/api/v1.1/account?action=setpass&username=&pass=&xusername=&xpassmd=&xkey=`
Request method: GET or POST
Request parameters:
action = setpass
pass = new password
username = username
xusername = hosting user name
xpassmd = hosting user password in md5
xkey = API key
Required parameters: action, username, pass, xusername, xpassmd, xkey
Response type: json
Response parameters:
result - response code

Change email

API version 1.1

Request type: account

Example:

`http://hostname/api/v1.1/account?action=setemail&username=&email=&xusername=&xpassmd=&xkey=`

Request method: GET or POST

Request parameters:

action = setemail

email = new email

username = username

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, username, pass, xusername, xpassmd, xkey

Response type: json

Response parameters:

result - response code

Site modification

API version 1.1

Request type: account

Example:

`http://hostname/api/v1.1/account?action=setsite&username=&sid=&xusername=&xpassmd=&xkey=`

Request method: GET or POST

Request parameters:

action = setsite

sid = site id

username = username

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, username, sid, xusername, xpassmd, xkey

Response type: json

Response parameters:

result - response code

Company change

API version 1.1

Request type: account

Example:

`http://hostname/api/v1.1/account?action=setcompany&username=&cid=&xusername=&xpassmd=&xkey=`

Request method: GET or POST

Request parameters:

action = setcompany

cid = company ID

username = username

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, username, cid, xusername, xpassmd, xkey

Response type: json

Response parameters:

result - response code

Tariff change

API version 1.1

Request type: account

Example

`http://hostname/api/v1.1/account?action=settariff&username=&tid=&xusername=&xpassmd=&xkey=`

Request method: GET or POST

Request parameters:

action = settariff

tid = tariff id

username = username

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, username, tid, xusername, xpassmd, xkey

Response type: json

Response parameters:

result - response code

Currency change

API version 1.1

Request type: account

Example:

`http://hostname/api/v1.1/account?action=setcurrency&username=¤cy=&xusername=&xpassmd=&xkey=`

Request method: GET or POST

Request parameters:

action = setcurrency

currency = currency (EUR, USD, RUB, UAH)

username = username

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, username, currency, xusername, xpassmd, xkey

Response type: json

Response parameters:

result - response code

Response codes in result:

1000 - Everything is fine

1001 - Not all required fields received

1002 - Incorrect characters in the "login" or "password" fields. Only numbers and letters of the English alphabet are allowed.

1003 - Error in the tariff

1004 - The action parameter is incorrect

1005 - Incorrect hosting user data

1006 - Incorrect login, password, or hosting user key

1007 - Incorrect address

1008 - Username already exists

1009 - Error in site name

1010 - Unknown error, please try again

1011 - Error in company

1012 - Username does not exist

1013 - Incorrect currency type

1014 - Incorrect payment amount

1015 - Balance top-up unavailable

Working with devices

The "devices" API interface allows you to create devices, edit them, and obtain device codes (links).

Adding a new device

API version 1.1

Request type: devices

Example:

http://hostname/api/v1.1/devices?action=add&username=&imei=&model=&xusername=&xpassmd=&xkey=
=

Request method: GET or POST

Request parameters:

action = add

username = username

imei = device IMEI

model = int, device model code (see API request getmodelcodes)

name = arbitrary device name
testdevice = int, if "1", then the device is a test device
username = hosting user name
xpassmd = hosting user password in md5
xkey = API key
Required parameters: action, username, imei, model, username, xpassmd, xkey
Response type: json
Response parameters:
result - response code. All parameters below are returned only when result is equal to 1000
code - main code of the created device
pay - payment amount
balance - balance
currency - account and payment currency

Obtaining model codes for adding a new device

API version 1.1
Request type: devices
Example:
<http://hostname/api/v1.1/devices?action=getmodelcodes>
Request method: GET or POST
Request parameters:
action = getmodelcodes
type = json, html (default json)
Required parameters: action
Response type: json or html
Response parameters for json:
result - response code. All parameters below are returned only when result is equal to 1000
name - name of the model or model line
code – model code
port – port or address for connection

Deleting a device

API version 1.1
Request type: devices
Example:
<http://hostname/api/v1.1/devices?action=delete&username=&imei=&xusername=&xpassmd=&xkey=>
Request method: GET or POST
Request parameters:
action = delete
username = username
imei = device imei
username = hosting user name
xpassmd = hosting user password in md5
xkey = API key

Required parameters: action, username, imei, xusername, xpassmd, xkey

Response type: json

Response parameters:

result - response code.

Activation of the device or transfer of the test device to a paid tariff

API version 1.1

Request type: devices

Example:

<http://hostname/api/v1.1/devices?action=enable&username=&imei=&xusername=&xpassmd=&xkey=>

Request method: GET or POST

Request parameters:

action = enable

username = username

imei = device IMEI

notfree = int, if "1", then transfer the test device to paid mode

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, username, imei, xusername, xpassmd, xkey

Response type: json

Response parameters:

result - response code. All parameters below are returned only when result is equal to 1000

pay - payment amount

balance - balance

currency - account and payment currency

Getting a list of devices

API version 1.1

Request type: devices

Example:

<http://hostname/api/v1.1/devices?action=getdevices&username=&xusername=&xpassmd=&xkey=>

Request method: GET or POST

Request parameters:

action = getdevices

username = username

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, username, xusername, xpassmd, xkey

Response type: json

Response parameters:

result - response code. All parameters below are returned only when result is equal to 1000

id - unique device identifier

enable - int, 0 or 1. If 1, the device is active

imei - device IMEI

code - main device code
model - device model
name - device name
pay - date until which the device is paid for
timezone - time zone
icon - icon type

Getting a list of device codes

API version 1.1

Request type: devices

Example:

<http://hostname/api/v1.1/devices?action=getcodes&username=&imei=&xusername=&xpassmd=&xkey=>

Request method: GET or POST

Request parameters:

action = getcodes

imei = device imei

username = username

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, username, imei, xusername, xpassmd, xkey

Response type: json

Response parameters:

result - response code. All parameters below are returned only when result is equal to 1000

code - code

comment - comment (name)

start - date and time when the code becomes active

stop - date and time when the code expires

Adding a new code

API version 1.1

Request type: devices

Example:

<http://hostname/api/v1.1/devices?action=addcode&username=&imei=&xusername=&xpassmd=&xkey=>

Request method: GET or POST

Request parameters:

action = addcode

imei = device imei

comment = comment (name)

pass = password

datestart = code start date

datestop = code expiration date

timestart = start time of the code

timestop = end time of code validity

networklink = int, 0 or 1. If 1, this is a networklink indicator

username = username

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, username, imei, xusername, xpassmd, xkey

Response type: json

Response parameters:

result - response code. All parameters below are returned only when result is equal to 1000

code - generated code

Changing code parameters

API version 1.1

Request type: devices

Example:

<http://hostname/api/v1.1/devices?action=change-code&username=&code=&xusername=&xpassmd=&xkey=>

Request method: GET or POST

Request parameters:

action = change-code

code = device code

param = parameter name, for example, "datestart" or "comment".

All parameters can be changed in a single request, but only non-empty parameters will be processed.

To reset a parameter, leave it blank and specify its name in "param".

comment = comment (name)

pass = password

datestart = start date of the code

datestop = code end date

timestart = start time of code execution

timestop = code end time

networklink = int, 0 or 1. If 1, this is a networklink indicator

username = username

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, username, code, xusername, xpassmd, xkey

Response type: json

Response parameters:

result - response code

Code removal

API version 1.1

Request type: devices

Example:

<http://hostname/api/v1.1/devices?action=delete-code&username=&code=&xusername=&xpassmd=&xkey=>

Request method: GET or POST

Request parameters:

action = delete-code

code = device code

username = username

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, username, code, xusername, xpassmd, xkey

Response type: json

Response parameters:
result - response code

Response codes in result:

1000 - Everything is fine
1001 - Not all required fields received
1002 - Incorrect characters in the "login" or "password" fields. Only numbers and letters of the English alphabet are allowed.
1003 - Error in the tariff
1004 - The action parameter is incorrect
1005 - Incorrect hosting user data
1006 - Incorrect login, password, or hosting user key
1007 - Incorrect address
1008 - Username already exists
1009 - Error in site name
1010 - Unknown error, please try again
1011 - Error in company
1012 - Username does not exist
1013 - Incorrect currency type
1014 - Incorrect payment amount
1015 - Balance top-up unavailable
1016 - Insufficient funds in balance
1017 - Device with this IMEI is currently being deleted
1018 - This IMEI is already registered

Working with geodata

The "coo" API interface allows you to request various geo-data.

Requesting geo-data for one or more devices

API version 1.1

Request type: coo

Example:

`http://hostname/api/v1.1/coo?action=get&code=38713280292747702326898&xusername=&xpassmd=&xkey=`

Request method: GET or POST

Request parameters:

action = add

code = device code. One or more. If there are several, use ";" as a separator

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, code

Response type: json

Response parameters:

result - response code. All parameters below are returned only when result is equal to 1000

– Geodata in json

Request track points for a single device

API version 1.1

Request type: coo

Example:

`http://hostname/api/v1.1/coo?action=track&code=38713280292747702326898&t=13.11.2015&ms=11:30-23:59&xusername=&xpassmd=&xkey=`

Request method: GET or POST

Request parameters:

action = track

code = device code

t = Date, format dd.mm.yyyy

ms = time period, format hh:mm:ss

xusername = hosting user name

xpassmd = hosting user password in md5

xkey = API key

Required parameters: action, code

Response type: json

Response parameters:

result - response code. All parameters below are returned only when result is equal to 1000

– Geodata in json

Response codes in result:

1000 - Everything is fine

1001 - Code not found

1002 - Not all required fields received