AdsBridge API 3.0

1. Data Format

AdsBridge provides access to data with REST-API through HTTPS protocol.

The API request is made in the following way:

**GET
https://api.adsbridge.com/v3/statistics?access_token={access_token}&offset=100&limit=100&[action_params]**

where:

- **GET** – type of HTTP request

- **https://api.adsbridge.com/** - address of the system's API module

- **v3** – API version (the current supported version is 3)

- **statistics** – object to which the request is made

- **access_token** – authorization data (refer to "Authorization and limits")

- **offset, limit** – parameters that influence the pagination of large amounts of data

- **[action_params]** – a set of additional parameters, individual for each object and type of request

After processing the request, the server sends a response in the format specified by the user. If the processing was successful, the Response status code will be 200, and all requested data array will be included in response body.
For example, for a successful GET statistic request, the response will look like:

```
[
    {
            "campaign_id":"1234567",
            "campaign_name":"Test",
             "visits":"8",
             "clicks":"1",
             "earnings":"2"
    },
    ...
]
```

In case of an error the response status code will be >= 400 and the response body will look like:

{

    name: "Bad Request",

    message: "FIlter \"campaign_id\" is wrong",

    code: 0,

    status: 400

}

2. Authorization and limits

2.1.Authorization

In order to make any request to the API, a user must use the following account data:

- **access_token** – user access key for working with API. To get the Access Token, execute request to **URL**:

POST https://partner.adsbridge.com/v3/auths/session

Request body:

{

    client_id: 1

    api_key: "HJbcsai323rlbadacl"

}

- **client_id** – user identifier. You can check it on the 'My account' in the ID field.
- **api_key** – a secret key for working with API. To get the API key, go to the "My account" section and press the "Show API Key" button next to the API Key field. In the appeared pop-up enter your accountr's password, and if it is correct, the API Key field will display the api_key value.

Response body:

{

    access_token: "kjablsdvjkbHVvk9u23cw",

    expires_in: 1522445853

}

- **access_token** - user access key for working with API.

- **expires_in** - timestamp of the expire access_token, the current Unix-timestamp in UTC timezone. After expire access_token need get new.

2.2.Limits

When working with API, a user must follow such limits:

- Only one API request can be processed from user at a time. Before sending the next request, it is necessary to wait for the result from the current request (successful or error). In the case of sending several requests at a time, the server will send a response with 429 error: "Too Many Requests" for all requests except the one that was received first. Upon getting such a response, it is necessary to wait for the result of processing the previously sent request, or try to repeat the request in 60 seconds.

- To optimize the operation speed of API and reduce the amount of passed data over the network, there is a mechanism of a pagination for the API requests that involve the output of large amounts of data. Each object has its own page size set by default, which is the maximum allowed (i.e. for statistics it is 1000 rows). A user can decrease the size of a page using the GET parameter 'limit' upon request, but when specifying a value, larget then a maximum limit, this value will be automatically decreased to default.

3. Possible error codes

- **400** - Invalid data received from the user. The message field contains a brief description of the found problem.

- **401** – Unauthorized. It occurs if the authorization data is not passed or is invalid.

- **404** – Request to wrong url or wrong request method.

- **429** – Too many requests from the current user. Wait for completion of a previous request or try again in 60 seconds.

- **500** – Internal API server error. Please contact customer support.

4. Available API methods

4.1. Statistics API

Statistics API is used to get statistics. Requests for changing statistics are not allowed.
URL:

GET https://api.adsbridge.com/v3/statistics

Parameters:

- Required authorization parameters: access_token

- 'Filter' parameter. It specifies conditions of selection and has the following format:

Filter:{

Name	Description	Available values	Default value	Required (yes/no)
period_from	The interval beginning by which statistics is selected, inclusive	date format 'Y-m-d H:i:s'		Yes
period_to	the end of the time interval by which statistics is selected, not inclusive	date format 'Y-m-d H:i:s'		Yes
period_group	statistics grouping by time	'hour' 'day' 'week' 'month' 'year' 'total'	'total'	no
timezone	time zone on which to show statistics	ranging from -12 to +12	0	No
test_events	inclusion of test events in the resulting data	1 - Non-tests only 2 - Tests only 0 - Both	0	No
currency	the currency in which the monetary values are reflected in the statistics	'USD' 'EUR' 'RUB' 'UAH'	'USD'	No

		'GBP'		
//one of the possible variants of selection conditions by object				
campaign_id	ID of a campaign on which it is necessary to get statistics		not set = by all campaigns	No
path_id	ID of a path inside a campaign on which it is necessary to get statistics. It is not included if the campaign_id field is not set		not set = by all paths	No
//OR				
traffic_source_id	ID of a traffic source on which it is necessary to get statistics		not set = by all traffic sources	No
//OR				
affiliate_network_id	ID of an affiliate network on which it is necessary to get statistics		not set = by all affiliate networks	No
//OR				
offer_id	ID of an offer on which it is necessary to get statistics		not set = by all offers	No
//OR				
landing_page_id	ID of a landing page on which it is necessary to get statistics		not set = by all landing pages	No

}

- The parameter 'columns'. It specifies the list of fields that must be contains in the results of a processed request. A required parameter. A non-empty set of field names from the list:

Columns	traffic_source_id traffic_source_name campaign_group_name campaign_id campaign_name path_id path_name

	landing_group_name
	landing_page_id
	landing_page_name
	affiliate_network_id
	affiliate_network_name
	offer_group_name
	offer_id
	offer_name
	token_1
	token_2
	token_3
	token_4
	token_5
	token_6
	language
	country
	country_iso2
	country_iso3
	city
	ip
	referrer_domain
	traffic_type
	connection
	os
	os_version
	browser
	browser_version
	isp
	carrier
	device_type
	device_manufacturer
	device_model
	impressions
	visits
	clicks
	conversions
	payout
	unique_visits
	bot_visits
	unique_clicks
	bot_clicks
	unique_conversions
	bot_conversions
	ctr
	x_ctr
	visit2conversion
	x_visit2conversion
	cr
	x_cr
	epv

	epc spend earnings profit roi fraud_visits fraud_clicks fraud_conversions

- The parameter **'sort'**. It specifies the direction of sorting the records in the data array. An optional parameter with the following format:

    campaign_id:desc
    where:
    - **campaign_id** – the field name on which the sorting will be done (must be included in the 'columns' parameter, or else it is a field added due to data grouping by date)
    - **desc** – the direction of sorting, possible values are asc – in alphabetic order, desc – against the alphabet

Available columns for sorting	traffic_source_id campaign_id path_id landing_page_id affiliate_network_id offer_id token_1 token_2 token_3 token_4 token_5 token_6 country_iso3 city ip referrer_domain connection browser isp carrier device_type device_model impressions visits clicks conversions

	payout
	unique_visits
	bot_visits
	unique_clicks
	bot_clicks
	unique_conversions
	bot_conversions
	ctr
	x_ctr
	visit2conversion
	x_visit2conversion
	cr
	x_cr
	epv
	epc
	spend
	earnings
	profit
	roi

- The parameter 'limit'. It indicated the size of the page (number of rows per page) when selecting a large amount of data with pagination. An integer, greater than 0. An optional parameter. The maximum allowable value and the default value is 1000.

- The parameter 'offset'. It indicates the offset of the result output when a large amount of data with the pagination is selected. An integer, more or equal to 0. An optional parameter. By default is 0.

Request examples

Example 1: Get data for June 2016 by campaign 49 grouped by day. In the results show such data: campaign name, offer name, the number of visits and clicks, payout sum.

Parameters:

- filter : {period_from:"2016-06-01 00:00:00", period_to:"2016-07-01 00:00:00", period_group:"day", campaign_id:"49"}

- columns : ["campaign_name", "offer_name", "visits", "clicks", "earnings"]

URL:

GET
https://api.adsbridge.com/v3/statistics?access_token=kjablsdvjkbHVvk9u23cw&filter%5Bp
eriod_from%5D=2016-06-01+00%3A00%3A00&filter%5Bperiod_to%5D=2016-06-30+00
%3A00%3A00&filter%5Bperiod_group%5D=day&filter%5Bcampaign_id%5D=49&columns
%5B%5D=campaign_name&columns%5B%5D=offer_name&columns%5B%5D=visits&col
umns%5B%5D=clicks&columns%5B%5D=earnings

```
[
        {
                "campaign_name":"Test",
                "visits":"1",
                "clicks":"1",
                "earnings":"2",
                "offer_name":"Test1",
                "day":"2016-06-06"
        },
        {
                "campaign_name":"Test",
                "visits":"7",
                "clicks":"0",
                "earnings":"0",
                "offer_name":"Test2",
                "day":"2016-06-06"
        }
 ]
```

4.2. Conversion API

Conversion API is used to get conversion report.

URL:

GET https://api.adsbridge.com/v3/conversions

Parameters:

- Required authorization parameters: access_token

- 'Filter' parameter. It specifies conditions of selection and has the following format:

Filter:{

Name	Description	Available values	Default value	Required (yes/no)
period_from	The interval beginning by which conversion statistics is selected, inclusive	date format 'Y-m-d H:i:s'		Yes
period_to	the end of the time interval by which conversion	date format 'Y-m-d H:i:s'		Yes

	statistics is selected, not inclusive				
timezone	time zone on which to show conversion statistics	ranging from -12 to +12	0	No	
test_events	inclusion of test events in the resulting data	1 - Non-tests only 2 - Tests only 0 - Both	0	No	
currency	the currency in which the monetary values are reflected in the conversion statistics	'USD' 'EUR' 'RUB' 'UAH' 'GBP'	'USD'	No	
//OR only click_id					
click_id	unique click ID	xxxxx59846f2374be8446086576		No	
//one of the possible variants of selection conditions by object					
campaign_id	ID of a campaign on which it is necessary to get conversion statistics		not set = by all campaigns	No	
path_id	ID of a path inside a campaign on which it is necessary to get conversion statistics. It is not included if the campaign_id field is not set		not set = by all paths	No	
//OR					
traffic_source_id	ID of a traffic source on which it is necessary to get conversion statistics		not set = by all traffic sources	No	
//OR					
affiliate_network_id	ID of an affiliate network on which it is necessary to get conversion statistics		not set = by all affiliate networks	No	
//OR					

offer_id	ID of an offer on which it is necessary to get conversion statistics		not set = by all offers	No
//OR				
landing_page_id	ID of a landing page on which it is necessary to get conversion statistics		not set = by all landing pages	No

}

- The parameter 'columns'. It specifies the list of fields that must be contains in the results of a processed request. A required parameter. A non-empty set of field names from the list:

Columns	postback_time time_of_click click_id transaction_id status payout spend traffic_source_id traffic_source_name campaign_group_name campaign_id campaign_name path_id path_name landing_group_name landing_page_id landing_page_name affiliate_network_id affiliate_network_name offer_group_name offer_id offer_name token_1 token_2 token_3 token_4 token_5 token_6 language country country_iso2 country_iso3 city ip

	referrer_domain traffic_type connection os os_version browser browser_version isp carrier device_type device_manufacturer device_model fraud tracking_id

- The parameter **'sort'**. It specifies the direction of sorting the records in the data array. An optional parameter with the following format:

> **campaign_id:desc**
> where:
> > **campaign_id** – the field name on which the sorting will be done (must be included in the 'columns' parameter, or else it is a field added due to data grouping by date)
> > **desc** – the direction of sorting, possible values are asc – in alphabetic order, desc – against the alphabet

Available columns for sorting	postback_time time_of_click click_id transaction_id status payout spend traffic_source_id campaign_id path_id landing_page_id affiliate_network_id offer_id token_1 token_2 token_3 token_4 token_5 token_6

	language
	country_iso3
	city
	ip
	referrer_domain
	traffic_type
	connection
	os
	browser
	isp
	carrier
	device_type
	device_manufacturer
	device_model

- The parameter 'limit'. It indicated the size of the page (number of rows per page) when selecting a large amount of data with pagination. An integer, greater than 0. An optional parameter. The maximum allowable value and the default value is 1000.

- The parameter 'offset'. It indicates the offset of the result output when a large amount of data with the pagination is selected. An integer, more or equal to 0. An optional parameter. By default is 0.

Request examples

Example 1: Get conversion data for June 2016 by campaign 49. In the results show such data: campaign name, offer name, the number of visits and clicks, payout sum.

Parameters:

 * filter : {period_from:"2016-06-01 00:00:00", period_to:"2016-07-01 00:00:00", campaign_id:"49"}
 * columns : ["campaign_name", "offer_name", "spend", "click_id"]

URL:

GET
https://api.adsbridge.com/v3/conversions?access_token=kjablsdvjkbHVvk9u23cw&filter%5Bperiod_from%5D=2016-06-01+00%3A00%3A00&filter%5Bperiod_to%5D=2016-06-30+00%3A00%3A00&filter%5Bcampaign_id%5D=49&columns%5B1%5D=campaign_name&columns%5B5%5D=offer_name&columns%5B2%5D=spend&columns%5B2%5D=click_id

Result:

```json
[
    {
        "spend":"0.15",
        "campaign_name":"Test",
        "offer_name":"Test1",
        "click_id":"1111111"
    },
    {
        "spend":"10",
        "campaign_name":"Test",
        "offer_name":"Test2",
        "click_id":"222222"
    }
]
```