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Export API

With this API you can export raw data points (without sampling). Data points are both page views and events combined. Define a date range and it pulls out the data. The response will only include the selected fields.

Want to use a simple interface to export your data? [See our video on exporting data](#).

When using the API, it's recommended [to generate the export URL](#) via [the export your data interface](#). It has a simple UI where fields can be selected without any coding or technical knowledge.

Available fields in export

Field	Type	Description
added_unix	number	The time of the page view in unix time format
added_iso	date	The time of the page view in ISO8601 format
hostname	string	The hostname of the website
hostname_original	string	When the hostname is overwritten, we store the original hostname
path	string	The path of the page view
query	string	The query parameters of the URL
is_unique	boolean	Is this page view unique
is_robot	boolean	Is page view visited by a robot or crawler
document_referrer	string	The JavaScript document.referrer of the page

Field	Type	Description
utm_source	string	UTM source (specify via <code>ref=</code> or <code>utm_source</code> in your URL)
utm_medium	string	UTM medium (specify via <code>utm_medium</code> in your URL)
utm_campaign	string	UTM campaign (specify via <code>utm_campaign</code> in your URL)
utm_content	string	UTM content (specify via <code>utm_content</code> in your URL)
utm_term	string	UTM term (specify via <code>utm_term</code> in your URL)
scrolled_percentage	number	How far did a visitor scroll on the page (in steps of 5%)
duration_seconds	number	How many seconds did a visitor stay on this page (we stop the counter when a page is hidden)
viewport_width	number	Viewport width in pixels
viewport_height	number	Viewport height in pixels
screen_width	number	Screen width in pixels
screen_height	number	Screen height in pixels
user_agent	string	The <code>navigator.userAgent</code> of a browser (in case of a fake one we don't store it).
device_type	string	Either desktop, mobile, tablet, or tv.
country_code	string	2 letter country code
browser_name	string	Browser name
browser_version	string	Browser version (do note this is a string)
os_name	string	OS name

Field	Type	Description
os_version	string	OS version (do note this is a string)
lang_region	string	The region part of navigator.language
lang_language	string	The language part of navigator.language
uuid	string	A UUID v4 of the page view (this is not always unique)
metadata.***	N/A	Metadata are your own specified fields followed by a type (e.g. project_text)

Data like `scrolled_percentage` and `duration_seconds` is not always added because it depends on the browser features of the visitor. [Metadata](#) is found in `metadata.***` fields. They will only be exported when specified by key (e.g.: `metadata.dark_mode_bool`).

Deprecated fields

These fields are deprecated but we keep them for backward compatibility. It's recommended to not use it for new projects.

Field	Description
url	Please use hostname and path to get the full URL
referrer	We replaced this with <code>document_referrer</code>
referrer_raw	We replaced this with <code>document_referrer</code>
device_width_pixels	We replaced this with <code>viewport_width</code>
device_width	We replaced this with <code>viewport_width</code>
source	What is the source of this page view, mostly <code>js</code> from our JavaScript

Authenticate

For this API features you'll need to authenticate. See the [authenticate page](#) on how to authenticate.

In short: apply an `Api-Key` -header where the key starts with `sa_api_key_...` and a `User-Id` header starting with `sa_user_id_...`.

Selecting fields

You can specify all fields you like to export. Add them as a comma separated list (e.g.: `&fields=added_iso,hostname,path`).

Request example (for developers)

To test if your API key works correctly you can replace the example values of this cURL example with your own.

```
curl "https://simpleanalytics.com/api/export/datapoints?version={{
site.api_version }}&format=csv&hostname=simpleanalytics.com&start={{ "now" |
date: '%s' | minus: 2592000 | date: '%Y-%m-%d' }}&end={{ "now" | date: '%Y-%m-
%d'
}}&robots=false&timezone=Europe%2FAmsterdam&fields=added_iso,path&type=pageview
s" \ -H 'User-Id: sa_user_id_00000000-0000-0000-0000-000000000000' \ -H 'Api-
Key: sa_api_key_XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX' \ -H 'Content-Type:
text/csv'
```

If you choose to export in the CSV format, it will export something like this:

```
| added_iso | country_code | datapoint | device_type | path | session_id | utm_campaign |
utm_content | utm_medium | utm_source |
| ----- | ----- | ----- | ----- | ---- | ----- | ----- | ---
----- | ----- | ----- | ----- | --- | ----- | ----- |
| {{ "now" | date: '%s' | minus: 83325 | date: '%Y-%m-%dT%H:%M:%S.100Z' }} | US | visit_homepage |
desktop | / | 1e5aad53-c734-40ac-b060-426a70d1c104 | ads1 | | | duckduckgo |
| {{ "now" | date: '%s' | minus: 2580 | date: '%Y-%m-%dT%H:%M:%S.100Z' }} | UK | visit_homepage |
desktop | / | 7b03aa29-612d-4aa8-b147-72c13986c4ae | | | newsletter | |
| {{ "now" | date: '%s' | minus: 2340 | date: '%Y-%m-%dT%H:%M:%S.200Z' }} | UK | popup_show |
desktop | / | 7b03aa29-612d-4aa8-b147-72c13986c4ae | | | |
| {{ "now" | date: '%s' | minus: 55 | date: '%Y-%m-%dT%H:%M:%S.100Z' }} | NL | visit_homepage |
desktop | / | 928e4f2f-1f16-4900-9ad8-0a1965e689a3 | | | | google |
| {{ "now" | date: '%s' | minus: 35 | date: '%Y-%m-%dT%H:%M:%S.200Z' }} | NL | popup_show | desktop
| / | 928e4f2f-1f16-4900-9ad8-0a1965e689a3 | | | |
| {{ "now" | date: '%s' | minus: 5 | date: '%Y-%m-%dT%H:%M:%S.300Z' }} | NL | popup_close | desktop |
/ | 928e4f2f-1f16-4900-9ad8-0a1965e689a3 | | | |
```

The above export in CSV format

```
added_iso,country_code,datapoint,device_type,path,session_id,utm_campaign,utm_c
ontent,utm_medium,utm_source {{ "now" | date: '%s' | minus: 83325 | date: '%Y-
%m-%dT%H:%M:%S.100Z' }} ,US,visit_homepage,desktop,/,1e5aad53-c734-40ac-b060-
426a70d1c104,ads1,, ,duckduckgo {{ "now" | date: '%s' | minus: 2580 | date: '%Y-
%m-%dT%H:%M:%S.100Z' }} ,UK,visit_homepage,desktop,/,7b03aa29-612d-4aa8-b147-
72c13986c4ae,,, ,newsletter, {{ "now" | date: '%s' | minus: 2340 | date: '%Y-%m-
%dT%H:%M:%S.200Z' }} ,UK,popup_show,desktop,/,7b03aa29-612d-4aa8-b147-
72c13986c4ae,,, , {{ "now" | date: '%s' | minus: 55 | date: '%Y-%m-
%dT%H:%M:%S.100Z' }} ,NL,visit_homepage,desktop,/,928e4f2f-1f16-4900-9ad8-
0a1965e689a3,,, ,google {{ "now" | date: '%s' | minus: 35 | date: '%Y-%m-
%dT%H:%M:%S.200Z' }} ,NL,popup_show,desktop,/,928e4f2f-1f16-4900-9ad8-
0a1965e689a3,,, , {{ "now" | date: '%s' | minus: 5 | date: '%Y-%m-
```

```
%dT%H:%M:%S.300Z' }},NL,popup_close,desktop,/,928e4f2f-1f16-4900-9ad8-0a1965e689a3,,,,,
```

Metadata fields

Because metadata fields are defined by the user, we don't know the fields upfront. The [export UI](#) gives a good overview of all metadata fields available for a certain period. Use those fields in the export API.

Fields in the API and exporter have a type appended to them. You can see fields like `metadata.fieldname_text`, `metadata.fieldname_date`, `metadata.fieldname_bool`, or `metadata.fieldname_int` (where fieldname is a user-defined name). Some metadata fields can have both, for example, `metadata.projectID_text` and `metadata.projectID_int`. If a text looks like a number, we convert it to an integer and we keep the text version.

When you see something prefixed with `metadata.sa_urlparam_`, it's a paramter from the [allowed URL parameters feature](#).

Event counts

If you are only interested in how many certain events happened, you can use our [Stats API](#). It has a simple request and response with event totals.

```
https://simpleanalytics.com/simpleanalytics.com.json?version={{
site.api_version
}}&start=yesterday&end=today&timezone=Europe/Amsterdam&events=visit_pricing
```

[See live example](https://simpleanalytics.com/simpleanalytics.com.json?version={{ site.api_version }}&start=yesterday&end=today&timezone=Europe/Amsterdam&events=visit_pricing) of output.

Performance

For us it does not matter how much data you export. We stream the data directly out of our database to your server or computer. No heavy load required.

To make the export size smaller only select the fields you need.

If you have any problems, drop us a line via [our contact page](#).

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