

Export API Overview

The Export API provides a way to retrieve large volumes of data from Account Engagement. It uses Account Engagement's existing API structures, patterns, and terminology.

Use the Export API to retrieve large sets of data when you don't need synchronous completion responses or when query limitations are too restrictive.

An export is associated with a query and a data set in Account Engagement. When you create an export, the query is split into smaller queries, which return smaller sets of data. These smaller queries are processed in parallel, and the retrieved data is saved in CSV files. When the export is complete, the CSV files are available to download.

The order of the records returned in the CSV files isn't guaranteed. The number of records in each CSV file varies, and all of the files associated with an export make up the full data set for the query.

The Export resource is used to create an export and get the status of an export. When the export is complete, the links to the CSV files containing the data are available in the resource.

The Export API is subject to the daily Account Engagement API call limit and the concurrent Account Engagement API call limit for your account.

Export API calls are executed sequentially for each account, with older exports being processed before newer exports.

The number of fields specified in the Export API calls can't exceed 150.

On procedures where no end date is supplied, for example, `created_after` is specified, but `created_before` isn't, the export will retrieve all data up until the creation date of the export.

The data associated with an export expires after 7 days. When data expires, the Export resource removes links to the CSV files and shows that the export has expired. Attempts to retrieve the data after an export expires fail.

To prevent errors with automations, files generated by the export API don't include a BOM (Byte Order Mark) in the beginning of the file. Exports created from the Account Engagement UI produce files with a BOM header.

The first row contains the name of the field.

The second row and beyond contain the record data.

Dates are returned in the user's timezone at the time they created the export.

For example, if a user is in "PST" timezone and creates an export, the dates in the export are in "PST". If a second user is in "EST" timezone and downloads the exported files, the dates in the export are in "PST".

If a user's timezone changes, previous exports created by the user have dates formatted in the previous timezone. Dates in new exports use the new timezone.

Dates are returned in the standard Account Engagement API date format of `YYYY-MM-DD HH:mm:ss`.

Fields with null values are represented as an empty value in CSV.

A procedure is a query and execution plan used to retrieve the data. Each object has a different set of procedures.

See External Activity for more information.

Fields

Select the external activity fields you want to export.

Field	Type	Nullable	Description
id	Integer	No	The External Activity ID.
extension	String	No	The extension for the type. This value must be less than or equal to 255 characters.
extensionSalesforceId	String	No	The extension's Salesforce ID.
type	String	No	The type of external activity that this record corresponds to. This must be a value from one of the registered types in the account. This value must be less than or equal to 255 characters.
typeSalesforceId	String	No	The type's Salesforce ID.
prospectId	Integer	No	The prospect ID the activity was linked to based on the email.
value	String	Yes	Any string value associated to this event. This value isn't checked and can be any value. The value must be less than or equal to 100 characters.
value	String	Yes	Any string value associated to this event. This value isn't checked and can be any value. The value must be less than or equal to 100 characters.
activityDate	DateTime	No	The date the external activity happened. This value can be used by the user to back date or forward date the activity. If not specified, then the current date is used. This must be in "YYYY-MM-DD" format.
createdAt	DateTime	No	The time the record was created in Account Engagement. This field is the standard system field and the value is equal to the time the record is created in the data store.
createdById	Integer	Yes	The ID of the user that sent the request to Account Engagement (the authenticated user of the request).

Abilities

Action Requirements

Create export Prospect > External Activity > View ability

View export Prospect > External Activity > View ability and be the same user that created the export

View all exports Admin > Exports > View ability

Query exports Admin > Exports > View ability

Retrieves all external activity records with a `created_at` value that is greater than the `created_after` argument and less than the `created_before` argument.

Arguments

created_after Required. Selects external activities that were created after the specified time. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

created_before: Optional. Selects external activities that were created before the specified time. This value must be after the value in `created_after`. If this argument isn't specified, then all data after the `created_after` date up until the creation date of the Export is returned. The `created_after` must be within a year of the creation date of the Export. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format. The range between `created_after` and `created_before` can't exceed 1 year. When `created_before` isn't specified, the current date is used to gauge the interval.

Retrieves all visitor activity records with an `activityDate` value that is greater than the `activity_after` argument and less than the `activity_before` argument.

Arguments

activity_after: Required. Selects external activities that occurred after the specified time. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

activity_before: Optional. Selects external activities that occurred before the specified time. This value must be after the value in `activity_after`. If this argument isn't specified, then all data after the `activity_after` date up until the creation date of the Export is returned. The `activity_after` must be within a year of the creation date of the Export. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format. The range between `activity_after` and `activity_before` can't exceed 1 year. When `activity_before` isn't specified, the current date is used to gauge the interval.

Fields

Select the visitor activity fields you want to export. See the visitor activity fields that are available. The value for `fields` must be an array of strings of the available fields.

Abilities

Action	Requirements
--------	--------------

Create export	Prospects > Visitors > View ability
---------------	-------------------------------------

View export	Prospects > Visitors > View ability and be the same user that created the export
-------------	--

View all exports	Admin > Exports > View ability
------------------	--------------------------------

Query exports	Admin > Exports > View ability
---------------	--------------------------------

To create an export with this procedure, the user must have the following:

“Prospects > Visitors > View” ability

To view an export with this procedure, the user must have the following:

“Prospects > Visitors > View” ability AND

The user must be the same as the user that created the export

OR

“Admin > Exports > View”

Retrieves all visitor activity records with a `created_at` value that is greater than the `created_after` argument and less than the `created_before` argument.

Arguments

created_after: Selects visitor activities that were created after the specified time. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

created_before: (Optional) Selects visitor activities that were created before the specified time. This value must be after the value in `created_after`. If this argument isn't specified, then all data after the `created_after` date up until the creation date of the Export is returned. The `created_after` must be within a year of the creation date of the Export. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

type: (Optional) Selects visitor activities of the specified types. If this argument isn't specified, then all of the visitor activities belonging to any type is returned. See a list of available Visitor Activity Types in Visitor Activity in Object Field References. Type `Session` is omitted.

prospect_only: (Optional) Selects only those visitor activities associated with a prospect. When this field is set to `false`, all visitor activities with and without a prospect are returned. The values can be `true` or `false`.

Retrieves all visitor activity records with an `updated_at` value that is greater than the `updated_after` argument and less than the `updated_before` argument.

Arguments

updated_after: Selects visitor activities that were updated after the specified time. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

updated_before: (Optional) Selects visitor activities that were updated before the specified time. This value must be after the value in `updated_after`. If this argument isn't specified, then all data after the `updated_after` date up until the creation date of the Export is returned. The `updated_after` must be within a year of the creation date of the Export. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

type: (Optional) Selects visitor activities of the specified types. If this argument isn't specified, then all visitor activities belonging to any type are returned. See a list of available Visitor Activity Types in Visitor Activity in Object Field References. Type `Session` is omitted.

prospectOnly: (Optional) Selects only those visitor activities associated with a prospect. When this field is set to `false`, all visitor activities with and without a prospect are returned. The values can be `true` or `false`.

The range between `created_after` and `created_before` or between `updated_after` and `updated_before` can't exceed 1 year. When `created_before` or `updated_before` isn't specified, the current date is used to gauge the interval.

Fields

Select the fields that you want to export. See the fields that are available. The value for `fields` must be an array of strings of the available fields.

Abilities

Action	Requirements
--------	--------------

Create export	Marketing > Segmentation > Lists > View ability and Prospects > Visitors > View ability
---------------	---

View export	Marketing > Segmentation > Lists > View ability and Prospects > Visitors > View ability and ability and be the same user that created the export
-------------	--

View all exports	Admin > Exports > View ability
------------------	--------------------------------

Query exports	Admin > Exports > View ability
---------------	--------------------------------

To create an export with this procedure, the user must have the following:

"Marketing > Segmentation > Lists > View" ability AND

"Prospects > Visitors > View" ability

To view an export with this procedure, the user must have the following:

"Marketing > Segmentation > Lists > View" ability AND

"Prospects > Visitors > View" ability AND

The user must be the same as the user that created the export

OR

"Admin > Exports > View"

Retrieves all list membership records with a `created_at` value that is greater than the `created_after` argument and less than the `created_before` argument.

Arguments

created_after: Selects list membership that were created after the specified time. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

created_before: (Optional) Selects list membership that were created before the specified time. This value must be after the value in `created_after`. If this argument isn't specified, then all data after the `created_after` date up until the creation date of the Export is returned. The `created_after` must be within a year of the creation date of the Export. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

deleted: (Optional) Selects list membership based on whether it's deleted or not. The value can be `true`, `false`, or `all`. Retrieves all list membership records with a `updated_at` value that is greater than the `updated_after` argument and less than the `updated_before` argument.

Arguments

updated_after: Selects list membership that were created after the specified time. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

updated_before: (Optional) Selects list membership that were created before the specified time. This value must be after the value in `updated_after`. If this argument isn't specified, then all data after the `updated_after` date up until the creation date of the Export is returned. The `updated_after` must be within a year of the creation date of the Export. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

deleted: (Optional) Selects list membership based on whether it's deleted or not. The value can be `true`, `false`, or `all`. The range between `created_after` and `created_before` or between `updated_after` and `updated_before` can't exceed 1 year. When `created_before` or `updated_before` isn't specified, the current date is used to gauge the interval.

Fields

Select the prospect fields that you want to export. See the prospect fields that are available. The value for `fields` must be an array of strings of the available fields.

Abilities

Action	Requirements
--------	--------------

Create export	Prospects > Visitors > View ability
---------------	-------------------------------------

View export	Prospects > Visitors > View ability and be the same user that created the export
-------------	--

View all exports	Admin > Exports > View ability
------------------	--------------------------------

Query exports	Admin > Exports > View ability
---------------	--------------------------------

To create an export with this procedure, the user must have the following:

“Prospects > Visitors > View” ability

To view an export with this procedure, the user must have the following:

“Prospects > Visitors > View” ability AND

The user must be the same as the user that created the export

OR

“Admin > Exports > View”

Retrieves all prospect records with a `created_at` value that is greater than the `created_after` argument and less than the `created_before` argument.

Arguments

created_after: Selects prospects that were created after the specified time. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

created_before: (Optional) Selects prospects that were created before the specified time. This value must be after the value in `created_after`. If this argument isn't specified, then all data after the `created_after` date up until the creation date of the Export is returned. The `created_after` must be within a year of the creation date of the Export. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

deleted: (Optional) Selects prospects based on whether they're deleted or not. The value can be `true`, `false`, or `all`.

Retrieves all prospect records with a `updated_at` value that is greater than the `updated_after` argument and less than the `updated_before` argument.

Arguments

updated_after: Selects prospects that were updated after the specified time. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

updated_before: (Optional) Selects prospects that were updated before the specified time. This value must be after the value in `updated_after`. If this argument isn't specified, then all data after the `updated_after` date up until the creation date of the Export is returned. The `updated_after` must be within a year of the creation date of the Export. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

deleted: (Optional) Selects prospects based on whether they're deleted or not. The value can be `true`, `false`, or `all`.

The range between `created_after` and `created_before` or between `updated_after` and `updated_before` can't exceed 1 year. When `created_before` or `updated_before` isn't specified, the current date is used to gauge the interval.

Fields

Select the prospect account fields you want to export. See the prospect account fields that are available. The value for `fields` must be an array of strings of the available fields.

Abilities

Action	Requirements
--------	--------------

Create export	Prospects > Prospect Accounts > View ability
---------------	--

View export	Prospects > Prospect Accounts > View ability and be the same user that created the export
-------------	---

View all exports	Admin > Exports > View ability
------------------	--------------------------------

Query exports	Admin > Exports > View ability
---------------	--------------------------------

To create an export with this procedure, the user must have the following:

“Prospects > Prospect Accounts > View” ability

To view an export with this procedure, the user must have the following:

“Prospects > Prospect Accounts > View” ability AND

The user must be the same as the user that created the export

OR

“Admin > Exports > View”

Retrieves all prospect account records associated with a prospect that has an `updated_at` value that is greater than the `prospect_updated_after` argument and less than the `prospect_updated_before` argument.

Arguments

prospect_updated_after: Selects prospect accounts associated with a prospect that has been updated after the specified time. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

prospect_updated_before: (Optional) Selects prospect accounts associated with a prospect that has been updated before the specified time. This value must be after the value in `prospect_updated_after`. If this argument isn't specified, then all data after the `prospect_updated_after` date up until the creation date of the Export is returned. The `prospect_updated_after` must be within a year of the creation date of the Export. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

prospect_deleted: (Optional) Selects prospect account based on whether it is associated with a prospect that has been deleted. The value can be `true`, `false`, or `all`. Default value is `false`.

The range between `prospect_updated_after` and `prospect_updated_before` can't exceed 1 year. When `prospect_updated_before` isn't specified, the current date is used to gauge the interval.

Retrieves all prospect account records with an `updated_at` value that is greater than the `updated_after` argument and less than the `updated_before` argument.

Arguments

updated_after: Selects prospect accounts that have been updated after the specified time. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

updated_before: (Optional) Selects prospect accounts that have been updated before the specified time. This value must be after the value in `updated_after`. If this argument isn't specified, then all data after the `updated_after` date up until the creation date of the Export is returned. The `updated_after` must be within a year of the creation date of the Export. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

deleted: (Optional) Selects prospect accounts based on whether they have been deleted. The value can be `true`, `false`, or `all`. Default value is `false`.

The range between `updated_after` and `updated_before` can't exceed 1 year. When `updated_before` isn't specified, the current date is used to gauge the interval.

Fields

Select the visitor fields you want to export. See the visitor fields that are available. The value for `fields` must be an array of strings of the available fields.

Abilities

Action	Requirements
--------	--------------

Create export	Prospects > Visitors > View ability
---------------	-------------------------------------

View export	Prospects > Visitors > View ability and be the same user that created the export
-------------	--

View all exports	Admin > Exports > View ability
------------------	--------------------------------

Query exports	Admin > Exports > View ability
---------------	--------------------------------

To create an export with this procedure, the user must have the following:

“Prospects > Visitors > View” ability

To view an export with this procedure, the user must have the following:

“Prospects > Visitors > View” ability AND

The user must be the same as the user that created the export

OR

“Admin > Exports > View”

Retrieves all visitor records associated with a prospect that has an `updated_at` value that is greater than the `prospect_updated_after` argument and less than the `prospect_updated_before` argument.

Arguments

prospect_updated_after: Selects visitors associated with a prospect that has been updated after the specified time. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

prospect_updated_before: (Optional) Selects visitors associated with a prospect that has been updated before the specified time. This value must be after the value in `prospect_updated_after`. If this argument isn't specified, then all data after the `prospect_updated_after` date up until the creation date of the Export is returned. The `prospect_updated_after` must be within a year of the creation date of the Export. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

prospect_deleted: (Optional) Selects visitor based on whether it is associated with a prospect that has been deleted. The value can be `true`, `false`, or `all`. Default value is `false`.

The range between `prospect_updated_after` and `prospect_updated_before` can't exceed 1 year. When `prospect_updated_before` isn't specified, the current date is used to gauge the interval.

Retrieves all visitor records with an `updated_at` value that is greater than the `updated_after` argument and less than the `updated_before` argument.

Arguments

updated_after: Selects visitors that have been updated after the specified time. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

updated_before: (Optional) Selects visitors that have been updated before the specified time. This value must be after the value in `updated_after`. If this argument isn't specified, then all data after the `updated_after` date up until the creation date of the Export is returned. The `updated_after` must be within a year of the creation date of the Export. The value can be `today`, `yesterday`, `last_7_days`, `this_month`, `last_month`, or a custom time specified in GNU Date Input Syntax format.

deleted: (Optional) Selects visitors based on whether they have been deleted. The value can be `true`, `false`, or `all`. Default value is `false`.

The range between `updated_after` and `updated_before` can't exceed 1 year. When `updated_before` isn't specified, the current date is used to gauge the interval.

Use these endpoints.

Used to initiate the export of an object through a defined procedure.

Request Body

Content-Type must be `application/json`.

Input Representation

object: Specifies which object to export.

fields: Specifies the fields that will be exported. If no `fields` value is given, all available fields are exported.

procedure: The procedure to execute. A procedure is a query and execution plan used to retrieve data. Each object has a different set of procedures. See the Procedures section for available procedures.

name: The name of the procedure.

arguments: Arguments used to manipulate the behavior of the procedure. These arguments are specific to the procedure. See the documentation for the procedure to see which arguments apply. _If duplicate argument names are provided the latter value is used.

Status Code: 200

Output Representation

id: The ID of the export. ID is used to check the status of the export.

state: The state of the export. Displays "Waiting" when the export has been queued for processing, "Processing" when the server is working on the export and "Complete" when the export has completed. See Export State.

isExpired: Indicates that the export has expired. When an export has expired, this returns `true` and no data related to the export can be downloaded.

resultRefs: (Optional) This property appears when an export is complete, and it contains a list of URLs to CSV files available for download. If there's no data associated with the export, this property is absent. If there's only a single CSV file available for download, this property is a string containing the URL to download the file. If there are multiple CSV files, resultRefs is an array of URLs.

createdAt: The date and time the export was created in the timezone of the user making the request.

updatedAt: The date and time the export was updated in the timezone of the user making the request.

Status Code: 4xx

Error codes: See Error Codes

Here's a request to execute the visitor activity procedure named `filter_by_created_at`, which retrieves all visitor activity data where the `created_at` value is between two dates. In this example, the data is retrieved from December 25, 2019 to December 25, 2020.

After sending the request as a `POST`, the response is as follows. From this response we know the export is queued for execution but hasn't started or completed. We suggest waiting a few minutes before checking the Read endpoint for the new status.

Used to retrieve the status of the export. When an export is complete, the links to download the results are available in the result body.

Params

{id}: The ID of the export.

Status Code: 200

Output Representation

id: The ID of the export. This ID is used to check the status of the export.

state: The state of the export. Displays "Waiting" when the export has been queued for processing, "Processing" when the server is working on the export and "Complete" when the export is completed. See Export State.

isExpired: Indicates that the export has expired. After an export has expired, this property returns `true` and no data associated with the export can be downloaded.

resultRefs: (Optional) This property appears only when the export has completed and contains a list of URLs to CSV files available for download. If there's no data associated with the export, this property is absent. If there's only a single CSV file available for download, resultRefs is a string containing the URL to download the file. If there are multiple CSV files, resultRefs is an array of URLs. The order of the URLs in the array isn't significant.

createdAt: The date and time the export was created in the timezone of the user making the request.

updatedAt: The date and time the export was updated in the timezone of the user making the request.

Status Code: 4xx

Error codes: See Error Codes

After calling the Create endpoint, the ID of the export is given in the response. This ID is used in the URL to call the Read endpoint.

If the export is waiting to be processed, `state` is "Waiting", as in the following example.

If the export is finished, `state` is "Complete" and `resultRefs` contains URLs to download the CSV files.

Used by administrators to retrieve a list of exports and their status. A user must have the "Admin > Exports > View" ability to execute this endpoint.

Params

created_after: (Optional) Filters the results to return only exports that were created after the specified time.

created_before: (Optional) Filters the results to return only exports that were created before the specified time.

updated_after: (Optional) Filters the results to return only exports that were updated after the specified time.

updated_before: (Optional) Filters the results to return only exports that were updated before the specified time.

status: (Optional) Filters the results to return exports in the given state. Allowed values are "Complete", "Failed", "Processing", or "Waiting".

object: (Optional) Filters the results to return exports for the specified object.

sort_by: (Optional) Sorts the results by the specified property value. Allowed values are "id", "created_at", or "updated_at". If not specified, the results are returned by "id" in "descending" order.

sort_order: (Optional) Used with `sort_by`. Adjusts the direction of the sort using the values "ascending" or "descending". If not specified, the results are in "descending" order.

Status Code: 200

Output Representation

result: A collection of exports

total_results: The total number of results matching the filter.

export: A collection of exports. If there are no results, this property is omitted. If there's a single result, it's an object. If there are multiple results, it's an array of results.

id: The ID of the export. This ID is used to check the status of the export.

state: The state of the export. Displays "Waiting" when the export has been queued for processing, "Processing" when the server is working on the export and "Complete" when the export has completed. See Export State.

isExpired: Indicates that the export has expired. After an export has expired, this property returns `true` and no data associated with the export can be downloaded.

createdAt: The date and time the export was created in the timezone of the user making the request.

updatedAt: The date and time the export was updated in the timezone of the user making the request.

The export representation returned in query doesn't contain `resultRefs`. Use the read endpoint for the export to get the full export representation.

Status Code: 4xx

Error codes: See Error Codes

The URLs retrieved from the Read endpoint can be used to download the results of the export. A failure occurs when attempting to download any results from an expired export. See Expiration for more information.

The data represented in CSV format. See the CSV Format section for more information.

Status code: 4xx

Error codes: See Error Codes

Used to cancel the export. If the export is already completed or failed, it can't be canceled.

Params

{id}: The ID of the export.

Status Code: 200

Output Representation

id: The ID of the export. This ID is used to check the status of the export.

state: The state of the export. See Export State.

isExpired: Indicates that the export has expired. After an export has expired, this property returns `true` and no data associated with the export can be downloaded.

createdAt: The date and time the export was created in the timezone of the user making the request.

updatedAt: The date and time the export was updated in the timezone of the user making the request.

Status Code: 4xx

Error codes: See Error Codes & Messages

After calling the Create endpoint, the ID of the export is given in the response. This ID is used in the URL to call the Cancel endpoint.

If the export isn't already completed or failed, it is canceled.

"Waiting": The export is waiting to be processed.

"Processing": A server has started processing the export.

"Complete": The export is complete and the results are available for download.

"Failed": A fatal error has occurred and the data can't be retrieved. Try executing the export again. If the error occurs again, contact support.

"Canceled": The export is canceled and can't be restarted.