Pendo API

API Status

Status for the API can be found at https://status.pendo.io/

Release Notes

Release notes for new stable agent versions are published at https://developers.pendo.io/agent-sdk-updates/. Updates are promoted to stable on Thusdays with hotfixes and beta releases pushing more frequently.

Additional Resources

If you're looking for how to install Pendo into your application, how Pendo collects visitor and account analytics from your application, or how you can retrieve or extract those analytics data from Pendo for external consumption, Pendo provides the following APIs and integration kits for customers:

- The Pendo Agent API allows developers to programmatically interact with Pendo's Agent, the JavaScript client that collects user interactions and displays in-app messaging.
- The Feedback API is available in a separate Postman collection.
- The Pendo Resource Center Integration Kit provides an integration framework that allows third party developers to create applications that Pendo customers can activate and provide to their users.
- The Pendo Tech Corner offers an introduction to Pendo's API here:
 - US: https://academy.pendo.io/api-setup
 - EU: https://academy.eu.pendo.io/api-setup

Getting Started

The easiest way to start using the Pendo API is by clicking the **Run in Postman** button at the top of the collection. Postman is a free tool which helps developers run and debug API requests, and is the source of truth for this documentation. Every endpoint you see documented here is readily available by running our Postman collection.

Get an integration key

You must have a Pendo integration key from your Pendo subscription to use this collection. Access to this API is dependent on your level of service with Pendo. Check with your Pendo admin at your company or a Pendo representative if you don't know if you have API access.

Integration keys are created in Pendo Settings > Integrations. Please visit this help center page for more information. When enabled for the subscription, admins can create and manage those keys here.

Integration keys should be kept secret! It is how you securely access and update information about your users and accounts in Pendo. Do not share them in client-side javascript, publicly accessible code repositories, etc.

To create an Integration Key:

- 1. Login to the Pendo Application as an Admin user.
- 2. Visit the Integrations section in the Pendo App, and then click on Integration Keys.
- 3. Click on the Add Integration Key button at the top right-hand side of the screen.
- 4. Give your new key an appropriate description.
- 5. If a read-write key is needed, tick the box marked Allow Write Access.
- 6. Click on Create to finish.
- 7. Securely capture and store your new key outside of Pendo.

Integration keys are only displayed at the time of creation and aren't listed in the UI. We can't recover a lost integration key. If you're unable to find the value for an existing key, you must create a new key. Pendo doesn't limit the number of keys generated.

Add your integration key to the collection

The Engage API collection is built to propagate the API key down to all requests when it is added to the Authorization tab for the collection.

- 1. Select the Pendo API collection.
- 2. Open the Authorization tab.
- 3. Add your integration key to the Value field.
- 4. All other fields are preconfigured.
 - a. Type = API Key
 - b. Key = x-pendo-integration-key
 - c. Add to = Header

All folders and requests are set to inherit auth from their parent and adding the integration key to the collection automatically pushes the integration key to the request header for all requests.

Add your base URL to the collection

The main URL used to access the Pendo API corresponds to the region and web address that you use when logging into Pendo's UI. Those URLs are:

https://app.pendo.io https://app.eu.pendo.io https://us1.app.pendo.io https://app.jpn.pendo.io https://app.au.pendo.io

All endpoints in this collection are configured to use a variable, baseUrl, to represent these. This collection is defaulted to https://app.pendo.io. If you log into Pendo using one of the other domains, please follow these steps to update the collection with the relevant base URL for your subscription.

- 1. Select the Pendo API collection.
- 2. Open the Variables tab.
- 3. Add your baseURL to the Current Value field.

4. Click Save.

Send a request

Many GET methods in the Pendo API are functional without any additional variables or configuration changes. Try GET Return List of All Pages or GET Return List of All Features to see a request without any additional changes.

Targeted requests for individual objects need an ID. The ID is returned in the list of all objects using the API. This ID is also available in the page URL when viewing the object in Pendo for most objects. For example, when viewing guide details in Pendo the URL path is:

app.pendo.io/s/[subscriptionId]/guides/[guideId]

Add IDs to the Value column in the Params tab in the request. The Key is already filled in.

Pendo API Overview

Welcome to Pendo's API documentation. This is a RESTful API used to query, update, and reset Pendo data primarily by running Aggregation queries or modifying Guide resources.

How Does Pendo Work?

Once installed the Pendo snippet in your application, visitor activity is collected automatically by the Pendo agent and sent via Image Beacons to Pendo for data processing. Pendo accepts these events immediately but ingests and processes visitor data asynchronously. Events sent by the agent are not immediately available via the API but they are usually available within 15 minutes of receipt.

What can I access using the Pendo API?

The Pendo API allows developers to

- · request and modify resources like guides, visitor metadata, and reports
- create track events to record events not associated with simple browser events
- use powerful aggregation queries to retrieve and transform your visitor data

What's an aggregation?

Pendo's Aggregation API allows you to request structured transformations of the events collected by the agent using a MongoDB-like query language. It supports arbitrary grouping, filtering, and projections, as well as selecting and merging object-specific analytics for pages, features, track events, and guides. Many of the charts, graphs, and reports provided in the Pendo interface are generated by the sources and operations provided.

Note: All request and response bodies, including errors, are encoded in JSON.

Status Codes

We use conventional HTTP response codes to indicate the success or failure of an API request. The various HTTP status codes we might return are listed below, but in general, consider the following:

• 2xx range indicates success

EAR TUTING THATOGREE SUCCESS

- **4xx** range indicates an error that failed given the information provided (e.g., a required parameter was omitted, a resource was not able to be found or updated, etc.)
- **5xx** range indicates an error on the server side. These calls should be retried within a reasonable timeframe. We recommend one second or more.

Status Code	Definition
200 - OK	Everything worked as expected.
400 - Bad Request	The request was unacceptable, often due to missing a required parameter.
401 - Unauthorized	No valid integration key provided.
402 - Request Failed	The parameters were valid but the request failed.
404 - Not Found	The requested resource doesn't exist.
422 - Unprocessable Entity	The request could not process the payload. The syntax may be correct, but may be semantically wrong
429 - Too Many Requests	Too many requests hit the API too quickly. Slow down.
500, 502, 503, 504 - Server Errors	It's not you, it's us. We're sorry.

AUTHORIZATION API Key

Key x-pendo-integration-key

Value <value>

Page

The Page Object

Attributes	
createdByUser object	Object containing information related to the user that created the page.
createdAt number	The timestamp in milliseconds after the epoch when the page was created.
lastUpdatedByUser object	Object containing information related to the user that last updated the page.
lastUpdatedAt number	The timestamp in milliseconds after the epoch when the page was last updated.
kind string	Returns the type of object. Page for example.
rootVersionId string	The unique identifier of the root entity, which nominally matches the public id field of the page.
stableVersionId string	The unique identifier for the current version of the page.
id string	Unique identifier for the page.
appId number	Unique identifier for the application in use.

This folder is using API Key from collection Pendo API

GET Return List of All Pages

⊕

https://app.pendo.io/api/v1/page

Returns full list of pages

Details	
Method	GET
URI	/api/v1/page
Optional Parameters for Multi-App Subscriptions	?expand=* to return all pages from all applications within the subscription ?appId=xxxxx to return all pages from a single application within the subscription. This ID can be found at the end of the URL when viewing app details

	in subscription settings
Status Codes	200 : Response is sent as body

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

GET Return a Specific Page

 \Box

https://app.pendo.io/api/v1/page?id=

The pageId referenced below can be found at the end of the URL when viewing details for a specific page within the app. You can view your list of available pages here.

Details	
Method	GET
URI	/api/v1/page?id=pageId
Parameters	pageId - ID of the page to return
Status Codes	200: Response is sent as body

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PARAMS

id pageld

GET Return List of Specific Pages

⊕

https://app.pendo.io/api/v1/page?id=pageId1,pageId2,[...]

Details	
Method	GET
URI	/api/v1/page?id=pageId1,pageId2,[]
Parameters	Multiple pageId values, comma-separated
Status Codes	200 : Response is sent as body

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PARAMS

id pageld1,pageld2,[...]

Comma-separated pagelds

Feature

The Feature Object

Attributes	
createdByUser object	Object containing information related to the user that created the feature.
createdAt number	The timestamp in milliseconds after the epoch when the feature was created.
lastUpdatedByUser object	Object containing information related to the user that last updated the feature.
lastUpdatedAt number	The timestamp in milliseconds after the epoch when the feature was last updated.
kind string	Returns the type of object. Feature for example.
rootVersionId string	The unique identifier of the root entity, which nominally matches the public id field of the feature.
stableVersionId string	The unique identifier for the current version of the feature.
id string	The unique identifier for the feature.
name string	Display name for the feature.

This folder is using API Key from collection Pendo API

GET Return List of All Features

ldot

https://app.pendo.io/api/v1/feature

Details	
Method	GET
URI	/api/v1/feature
Optional Parameters for Multi-App Subscriptions	?expand=* to return all features from all applications within the subscription ?appId=xxxxx to return all features from a single application within the subscription. This ID can be found at the end of the URL when viewing app details in subscription settings

Status Codes	200 : Response is sent as body
AUTHORIZATION API Key	
This request is using API Key from collection Pendo API	
HEADERS	

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

application/json

GET Return a Specific Feature

Content-Type

凸

https://app.pendo.io/api/v1/feature?id=

The featureId referenced below can be found at the end of the URL when viewing details for a specific feature within the app. You can view a comprehensive list of all tagged features here.

Details	
Method	GET
URI	/api/v1/feature?id=featureId
Parameters	featureId - id of the feature to return
Status Codes	200 : Response is sent as body

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PARAMS

id featureId

https://app.pendo.io/api/v1/feature?id=featureId1,featureId2,[...]

Details	
Method	GET
URI	<pre>/api/v1/feature?id=featureId1,featureId2, []</pre>
Parameters	Multiple featureId values, comma-separated
Status Codes	200 : Response is sent as body

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PARAMS

id featureId1,featureId2,[...]

Comma-separated featurelds

Track

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

POST Send a Track Event

The track endpoint allows you record any actions your users perform, along with any properties that describe the action. Each action is known as an event. Each event has a name and properties.

Note: Your Pendo_trackEventSecret_Key is different from your x-pendo-integration-key or your Pendo Subscription API Key (which is embedded in your install snippet). To find your Pendo_trackEventSecret_Key, navigate to your Subscription Settings and choose your app. Under the "App Details," click on "Show" next to "Track Event Shared Secret."

Details	
Method	POST
Regional domains	US: https://data.pendo.io EU: https://data.eu.pendo.io US1: https://us1.data.pendo.io JPN: https://data.jpn.pendo.io
URI	/data/track
Status Codes	200: Response is sent as body 400: Error unmarshalling track event data

The Track Object

Attributes	
type string	Must be "track" (required)
event string	Name of the action that a user has performed (required)
visitorId string	Unique string identifier for the visitor (required)
accountId string	Unique string identifier for the account to which the visitor belongs (strongly recommended)
timestamp number	time (in milliseconds after the epoch) that the event occurred (required)**
properties object	Free-form object of properties of the event (optional)
context object	Object of information about a user browser session provided only when an event is being tracked on behalf of that browser session. This is not used if the event is being generated by JavaScript code inside the user browser session, nor for system events that are not associated with a browser session (such as an administrator enabling functionality for a subscription).

^{**} Note that the timestamp should be the current time whenever possible. An event with a timestamp in the past will not be processed with the regular hourly processing and will only appear in the UI after Pendo's daily and weekly event reprocessing. Events with timestamps greater than 7 days may not be processed.

Content-Type application/json

x-pendo-integration-key <Pendo_trackEventSecret_Key>

Body raw

```
"type": "track",
    "event": "Registered",
    "visitorId": "unique-string-id",
    "accountId": "account-id-of-visitor",
    "timestamp": 1680373680000,
    "properties": {},
    "context": {
        "ip": "76.253.187.23",
        "userAgent": "Mozilla/5.0",
        "url": "http://MuqrevujORTeLIzvMFcBSW.vita0",
        "title": "My Page - Admin"
}
```

GET Return a List of All Track Types

⊕

https://app.pendo.io/api/v1/tracktype

Returns full list of track events

Details	
Method	GET
URI	/api/v1/tracktype
Optional Parameters for Multi-app Subscriptions	?expand=* to return all track types from all applications within the subscription ?appId=xxxxx to return all track types from a single application within the subscription. This ID can be found at the end of the URL when viewing app details in subscription settings
Status Codes	200: Response is sent as body

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

GET Return a Specific Track Type

 Θ

https://app.pendo.io/api/v1/tracktype?id=

The trackTypeId referenced below can be found at the end of the URL when viewing details for a specific track event within the app. You can view your list of available track events here.

Details	
Method	GET
URI	/api/v1/tracktype?id=trackTypeId
Parameters	trackTypeId - ID of the track type to return
Status Codes	200 : Response is sent as body

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PARAMS

id trackTypeId

Visitor

The visitor endpoint allows you to retrieve visitor specific details by supplying a visitor ID as part of your request. The visitorId referenced below can be found on the visitors list page or at the end of the url when viewing a visitor details

page.

The Visitor Object

Attributes (nested elements separated by .)	
id string	Unique identifier for the visitor.
accountIds array	Array of unique accountlds the visitor belongs to.
metadata object	Object containing all metadata for the visitor. This includes data captured by the agent, custom fields created via the API, integration-specific data from salesforce and segmentio, as well as data auto-generated by Pendo.
metadata.auto.accountId string	The Account ID last associated with the visitor.
metadata.auto.firstvisit number	The timestamp in milliseconds after the epoch when an event was first captured for the visitor.
metadata.auto.idhash number	Hash of visitor ld.
metadata.auto.lastbrowsername string	Most recent browser name.
metadata.auto.lastbrowserversion	Most recent browser version.

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

GET Get Visitor by ID

⇧

https://app.pendo.io/api/v1/visitor/:visitorId

Gets a visitor object using a Visitor ID.

Details	
Method	GET
URI	/api/v1/visitor/:visitorId
Path Variable	visitorId - URL encoded visitor id

Status Codes	200 : Response is sent as body
	404: Error while getting visitor, no such entity found

This request is using API Key from collection Pendo API

HEADERS

content-type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

visitorID Visitor ID

GET Get Visitor by base64 encoded ID

⊕

https://app.pendo.io/api/v1/visitor/:b64_id

You may also retrieve visitor information by using a base64-encoded Visitor ID.

Details	
Method	GET
URI	/api/v1/visitor/:b64_id
Path Variable	b64_id - a URL-safe base64 encoded visitor ID, prepended with b64_
Additional Request Headers	x-pendo-base64-encoded-params: true (only include when submitting a b64_XXXX ID)
Status Codes	200 : Response is sent as body 404 : Error while getting visitor, no such entity found

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Cantant Time

Соптент-туре	арріісаціон/json
x-pendo-integration-key	<pendo_integration_key></pendo_integration_key>
x-pendo-base64-encoded-params	true
PATH VARIABLES	
b64_id	"b64_" + your encoded ID

GET Get Visitor History for a Time Period

₼

https://app.pendo.io/api/v1/visitor/:visitorId/history?starttime=

Returns a **summary** of visitor activity for a 24 hour time period. For specific event counts, use the aggregation endpoint and queries below.

Details	
Method	GET
URI	/api/v1/visitor/:visitorId/history? starttime=epochTimestamp
Path Variable	visitorId - URL encoded visitor id or b64_XXXX, where XXXX is a URL-safe base64 encoded visitor Id starttime - Start time for historical data, in milliseconds since the epoch
Additional Request Headers	x-pendo-base64-encoded-params: true (only include when submitting a b64_XXXX ID)
Status Codes	200: The visitor history is returned in the body as a JSON list of objects. An empty list means there was no activity in that time period 404: The visitor is unknown

Note****_: Visitor history is limited to the last 180 days.

Response

Each historical event is a JSON object, each with its own type-dependent fields.

Attributes	
type string	The type of object. Page for example.
(object)id string	The associated unique identifier or untaggedUrl for the returned resource.
number	Milliseconds after the epoch that the event occurred. For pages, this is the first time the page was seen during consecutive usage.
lastTs number	Last time in consecutive usage that a page (or untagged page) was seen.
uri string	API call to get the type-specific object associated with this event (not applicable to untagged pages).

This request is using API Key from collection Pendo API

HEADERS

content-type application/x-www-form-urlencoded

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PARAMS

starttime Start time for historical data, in milliseconds since the epoch

PATH VARIABLES

visitorID Visitor ID

Account

The account endpoint allows you to retrieve account-specific details by supplying an account ID as part of your request. The accountId referenced below can be found on the accounts list page or at the end of the url when viewing an account details page.

The Account Object

Attributes	
id string	Unique identifier for the account.
metadata string	Object containing all metadata for the account. This includes data captured by the agent, custom fields created via the API, integration-specific data from salesforce and segmentio, as well as data auto-generated by Pendo.
metadata.auto.firstvisit integer	Time of first visit, in milliseconds since the epoch.
metadata.auto.idhash integer	Hash of account Id
metadata.auto.lastupdated integer	Time of last update, in milliseconds since the epoch.
metadata.auto.lastvisit integer	Time of last visit, in milliseconds since the epoch.
metadata.autoxxxxx object	Returned in multi-app subscriptions only. Specifies the above metadata specific to each application where xxxxx is the application ID.

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

GET Get Account by ID

₼

https://app.pendo.io/api/v1/account/:accountld

Gets an account object using an Account ID.

Details	
Method	GET
URI	/api/v1/account/:accountId
Path Variable	accountId - URL encoded account id
Status Codes	200: Response is sent as body 404: Error while getting account, no such entity found

This request is using API Key from collection Pendo API

HEADERS

content-type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

accountId Account ID

GET Get Account by base64 encoded ID

⋳

https://app.pendo.io/api/v1/account/:b64_id

You may also retrieve account information by using a base64-encoded Account ID.

Details	
Method	GET
URI	/api/v1/account/:b64_id
Path Variable	b64_id - a URL-safe base64 encoded account ID
Additional Request Headers	x-pendo-base64-encoded-params: true (only include when submitting a b64_XXXX ID)
Status Codes	200: Response is sent as body 404: Error while getting visitor, no such entity found

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

x-pendo-base64-encoded-params true

b64_id

base64 encoded Account ID

Bulk Deletion (GDPR/CCPA)

The bulk deletion endpoint allows large numbers of visitors and accounts to be deleted at once. Each request can schedule deletion for up to 500 visitors or accounts. The request enters those IDs into a queue for later deletion which may take up to 21 days. During the deletion process, all visitors or accounts are also marked as Do Not Process (DNP) so no further data will be collected.

Multiple API calls may result in a single deletion request id as individual requests are consolidated a maximum of 500 visitors or accounts. Requests to delete items whose deletion has already been requested, but has not yet started, will fail with a BadRequest response.

Note that deletions apply to all areas of Pendo, including Adopt and Feedback.

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

POST Bulk Delete Visitors

A

https://app.pendo.io/api/v1/bulkdelete/visitor

Details	
Method	POST
URI	api/v1/bulkdelete/visitor
Status Codes	200: Response is sent as body 400: No IDs in payload

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type

application/json

manufa tinaannaatan laasa ahan ahan ahan ka ah

Body raw

```
{
    "visitors": [
        "visitorId",
        "visitorId2"
    ]
}
```

POST Bulk Delete Accounts



https://app.pendo.io/api/v1/bulkdelete/account

Details	
Method	POST
URI	api/v1/bulkdelete/account
Status Codes	200: Response is sent as body 400: No IDs in payload

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Body raw

```
"accounts": [
    "accountId",
    "accountId2"
```

GET Get all outstanding bulk deletion requests

⊕

https://app.pendo.io/api/v1/bulkdelete

Returns a list of all bulk deletion requests not yet completed.

Details	
Method	GET
URI	api/v1/bulkdelete
Status Codes	200 : Response is sent as body

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

GET Get one bulk deletion status



https://app.pendo.io/api/v1/bulkdelete/:id

Returns information on a specific bulk deletion request. These are available even after a deletion is complete. Every bulk delete request and its completion status is preserved for all time and serves as a receipt of the request and a record of its completion.

Details	
Method	GET
URI	api/v1/bulkdelete/:id
Path Variable	:id - The request id returned from the deletion request
Status Codes	200 : Response is sent as body

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

id Id of the deletion request

Segment

The segment endpoint allows you to retrieve visitor specific details by supplying a visitor ID as part of your request. The segmentId referenced below can be found at the end of the url when viewing a segment in the Pendo UI.

The Segment Object

Attributes	
createdByUser	Object containing information related to the user that
object	created the segment.
createdAt	The timestamp in milliseconds after the epoch when
number	the segment was created.
lastUpdatedByUser	Object containing information related to the user that
object	last updated the segment.
lastUpdatedAt	The timestamp in milliseconds after the epoch when
number	the segment was last updated.
kind	Returns the type of object. Segment for example.
string	
rootVersionId	The unique identifier of the root entity, which nominally
string	matches the public id field of the segment.
stableVersionId	The unique identifier for the current version of the
string	segment.
id	Unique identifier for the segment.
string	
name	Display name for the segment.

string			
AUTHORIZATION API Key			
This folder is using API Key from co	ollection Pendo API		
GET Get All Shared (Eve	ryone) Segments		6
https://app.pendo.io/api/v1/segm	ent		
Details			
Method		GET	
URI		/api/v1/segment	
Status Codes		200: Response is sent as body	
AUTHORIZATION API Key			
This request is using API Key from	collection Pendo API		
HEADERS			
content-type	application/json		
x-pendo-integration-key <pendo_integration_key></pendo_integration_key>			
GET Get Segment by segmentId		6	
https://app.pendo.io/api/v1/segment/:id			
You may also retrieve a single segment's details by including its segmentId. This can be found at the end of the URL when viewing details for a specific segment within the Pendo UI.			L
Detaile			

Details	
Method	GET
URI	/api/v1/segment/:id
Status Codes	200: Response is sent as body 404: Entity not found

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

id Segment ID

POST Start export of segment visitors

⇧

https://app.pendo.io/api/v1/segment/:segmentId/visitors

Start an asynchronous export of the visitors in a Segment.

Details	
Method	POST
URI	/api/v1/segment/:segmentId/visitors
Status Codes	200 : Response is sent as body 500 : Internal Server Error

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

coment l

GET Check segment export status

⊕

https://app.pendo.io/api/v1/segment/:segmentld/visitors/:jobld/status

Retrieve the status of a segment export. The jobId is returned in the response of the "Start export of segment visitors" request above.

Details	
Method	GET
URI	<pre>/api/v1/segment/:segmentId/visitors/:jobId /status</pre>
Status Codes	200 : Status is sent as body 404 : Job ID not found 500 : Internal Server Error

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

segmentId Segment ID

jobId Job ID (from POST request)

GET Retrieve segment export results



https://app.pendo.io/api/v1/segment/:segmentId/visitors/:jobId/results/:contentType

Details	
Method	GET
URI	/api/v1/segment/:segmentId/visitors/:jobId/results/:contentType
Status Codes	200 : CSV file returned 404 : Job ID not found 500 : Internal Server Error

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

segmentID Segment ID

jobld Job ID (from POST request)

contentType csv

File type. Currently only supports csv

POST Create a segment

 Θ

https://app.pendo.io/api/v1/segment/upload

Create a segment from a list of visitors. This action supports up to 10 million visitor IDs.

Segments are created instantly but adding visitors to the segment is done via an asynchronous job. Segments process one at a time (per subscription).

Details	
Method	POST
URI	/api/v1/segment/upload
Status Codes	200 : Response is sent as body 400 : Bad request 500 : Internal Server Error

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Body raw (json)

```
json

{
    "name": "EnterYourSegmentName",
    "visitors": [
        "visitor1",
        "visitor2",
        "visitor3"
    ]
}
```

GET Get segment status



https://app.pendo.io/api/v1/segment/:segmentId/status

Get the status of a segment. The segment status will be available for up to 4 hours after processing completes.

Details	
Method	GET
URI	/api/v1/segment/:segmentId/status
Status Codes	200: Response is sent as body 400: Bad request 404: Segment ID not found 500: Internal Server Error

Segment Command Values	
Pending	The segment is waiting in queue to be processed. While in this state, the segment is still serving the previous visitor list.
Progress	The segment has started processing. While in this state, the segment visitor list will clear.
	Visitor IDs are sanitized to remove leading and trailing whitespace. If "Convert Visitor IDs to Lowercase" is enabled in the subscription, we lowercase all visitor IDs provided.
	If any item fails to pass validation, processing will stop and the status will change to "error" and provide an error message. The visitor list will remain empty
Finish	Processing has completed. The segment visitor list reflects the visitor list from the CSV. The eligible visitor list in the UI will only show visitors for which we've received data and are not on the Exclude list.
Error	An error occurred during processing.

Response

Attributes	
checkFound number	Internal use
checkTotal number	Internal use
command string	Processing status
entityTagId string	Segment ID
entityTagName string	Date updated
lastUpdatedAt number	The timestamp in milliseconds after the epoch when the segment was last updated
requestId string	Internal use
status number	API request status, e.g. 200
totalTagged number	Number of visitors included in the segment

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

segmentId

PUT Update a segment

Update the name or visitor list for an existing segment. This can only be done for segments created via the API.

At least one value is required. Any value provided will overwrite the previous value.

Segments are created instantly but adding visitors to the segment is done via an asynchronous job. Segments process one at a time (per subscription).

Details	
Method	PUT
URI	/api/v1/segment/:segmentId
Status Codes	200: Response is sent as body 400: Bad request 500: Internal Server Error

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

segmentId

Body raw (json)

```
json

{
    "name": "EnterYourSegmentName",
    "visitors": [
        "visitor1",
        "visitor2",
        "visitor3"
    ]
}
```

https://app.pendo.io/api/v1/segment/:segmentId

Delete an existing segment.

Details	
Method	DELETE
URI	/api/v1/segment/:segmentId
Status Codes	200: Response is sent as body 400: Bad request 404: Segment ID not found 500: Internal Server Error

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

segmentId

Body raw (json)

```
json

{
    "name": "EnterYourSegmentName",
    "visitors": [
        "visitor1",
        "visitor2",
        "visitor3"
    ]
}
```

PUT Add a visitor to a segment

A

https://app.pendo.io/api/v1/segment/:segmentld/visitor/:visitorld

Add a single visitor to a segment. This can only be done for segments created via the API.

Details	
Method	PUT
URI	/api/v1/segment/:segmentId/visitor/:visito
Status Codes	200 - 202: Success 400: Error adding visitor to segment, API created segments can have at most 10000000 visitors 403: Segment must be created by the API 404: Entity not found 409: Operation in progress 500: Internal Server Error

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

segmentId Segment ID

visitorID Visitor ID

DELETE Remove a visitor from a segment

 Θ

https://app.pendo.io/api/v1/segment/:segmentId/visitor/:visitorId

Delete a single visitor from a segment. This can only be done for segments created via the API.

Details	
Method	DELETE
URI	/api/v1/segment/:segmentId/visitor/:visitorId
Status Codes	200 - 202: Success 400: Error adding visitor to segment, API created segments can have at most 10000000 visitors 403: Segment must be created by the API 404: Entity not found 409: Operation in progress 500: Internal Server Error

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

segmentId Segment ID

visitorID Visitor ID

PATCH Add/remove small batches of visitors to a segment

⊕

https://app.pendo.io/api/v1/segment/:segmentId/visitor

Add or remove a small batch of visitors in a segment. This can only be done for segments created via the API.

Limits for this endpoint are:

- 10 operations max per patch call
- 1000 visitors max per patch call

Details	
Method	PATCH
URI	/api/v1/segment/:segmentId/visitor/:visitorId
Status Codes	200 - 202: Success 400: Error adding visitor to segment, API created segments can have at most 10000000 visitors 403: Segment must be created by the API 404: Entity not found 409: Operation in progress 413: Segment patch requests can have at most X operations/visitors 500: Internal Server Error

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

segmentId Segment ID

Body raw (json)

Report

The reports API works with Visitor or Account reports that have been created in your subscription. The <code>:reportId</code> referenced below can be found at the end of the URL when viewing a report within the app. Visitor and Account reports can managed from the Visitor or Account report tabs.

NOTE: While Paths, Funnels, and Data Explorer reports will be returned in the *list* of reports, their contents are not available via the two "Return Report Contents" requests.

The Report Object

Attributes	
createdByUser <i>user</i>	The user that created the report.
createdAt timestamp	The timestamp in milliseconds after the epoch when the report was created.
lastUpdatedByUser <i>user</i>	The user that last updated the report.
lastUpdatedAt timestamp	The timestamp in milliseconds after the epoch when the report was last updated.
kind string	Returns the type of object. Report for example.
rootVersionId string	The unique identifier of the root entity, which nominally matches the public id field of the report.
stableVersionId string	The unique identifier for the current version of the report.
id string	Unique identifier for the report.
name string	Display name for the report.
shared boolean	Returns true or false dependent on the reports visibility setting.
definition array[definition]	Structure of the report, e.g., which columns were

The Definition Object

Attributes	
config array	The configuration options for the report such as the chosen columns, application (for multi-app subscriptions), segment, and any advanced options selected.
generator string	visitorList or accountList. (Visitor and Account reports only)
type string	Path, Funnel, or List (for Visitor and Account reports)
kind string	The kind of List report (visitor or account)
timeSeries array	The set timeSeries for the report.

This folder is using API Key from collection Pendo API

GET Return a List of Public Reports

⊕

https://app.pendo.io/api/v1/report

Returns an array of JSON objects representing all public reports for a subscription.

Details	
Method	GET
URI	/api/v1/report
Status Codes	200 : Response is sent as body

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

ð

https://app.pendo.io/api/v1/report/:reportId/results.json

Returns a list of JSON objects. Paths, Funnels, and Data Explore reports cannot be returned with this endpoint.

Details	
Method	GET
URI	/api/v1/report/:reportId/results.json
Path Variable	reportId - ID of the report
Status Codes	200: Response is sent as body 404: The report in question was not found.

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

reportId ID of the report

GET Return Report Contents as CSV

ð

https://app.pendo.io/api/v1/report/:reportId/results.csv

Returns a .csv of the report contents. Paths, Funnels, and Data Explore reports cannot be returned with this endpoint.

Details	
Method	GET
URI	/api/v1/report/:reportId/results.csv
Path Variable	reportId - ID of the report

Status Codes

200 : Response is sent as body

404: The report in question was not found.

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type text/csv

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

reportId ID of the report

Guide

Guide Endpoint

plaintext

https://app.pendo.io/api/v1/guide

The <code>guideId</code> referenced below can be found at the end of the URL when viewing an individual guide details page. You can access that page by going to the <code>guides</code> list and then clicking into any guide.

The Guide Object

Attributes	
createdByUser object	Information about the user that created the guide.
createdAt number	The timestamp in milliseconds after the epoch when the guide was created.
lastUpdatedByUser object	Information about the user that last updated the guide.
lastUpdatedAt number	The timestamp in milliseconds after the epoch when the guide was last updated.
kind string	Returns the type of object. Guide for example.
rootVersionId string	The unique identifier of the root entity, which nominally matches the public id field of the guide.
stableVersionId string	The unique identifier for the current version of the guide.
id string	The unique identifier for the guide.
name string	Display name for the guide.

The Step Object

Attributes	
id string	Unique identifier for the step.
guideld string	ID of the parent guide.
type string	The type of guide step.
elementPathRule string	The element path that indicates where the tooltip or badge "points" to (blank if not applicable).
contentType string	The MIME type text/html or application/javascript of the content of this guide step.
contentUrl string	URL for the step html content.
contentUrlCss string	URL for the step css content.
contentUrlJs strina	URL for the step JS content.

g	
rank	An internal identifier. This does not equate to the
number	step's place in the guide. This is determined by the

The Attributes Object

Attributes	
type string	Unique identifier for the step.
dates object	The last updated date of each translated version of the guide.
device object or string	The device-types selected for guide display (i.e. mobile, desktop)
badge object	Attributes related to the badge activation type.
priority number	Position of the Guide as it appears in the resource/guide center.
launcher array	Returns an array of keywords used to search from within the guide center. (Classic Designer guides only)

The Polls Object

Attributes	
id string	Unique identifier for the poll.
question string	The text configured for the poll.
numericResponses array	For numeric polls only, the list of numbered options.
idResponses object	An object containing key/value pairs of IDs and human- readable text equivalents of configured poll choices.
attributes object	Information about the poll such as type (PickList , NumberScale , FreeForm , etc.)

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

GET Return List of All Guides

Returns a JSON list of all guides for a subscription. For multi-app subscriptions, specify the application in the query parameters.

Details	
Method	GET
URI	/api/v1/guide
Optional Parameters for Multi-App Subscriptions	?expand=* to return all guides from all applications within the subscription ?appId=xxxxx to return all guides from a single application within the subscription. This ID can be found at the end of the URL when viewing app details in subscription settings
Status Codes	200 : Response is sent as body

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

content-type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

GET Return a Specific Guide

↩

https://app.pendo.io/api/v1/guide?id=

Instead of returning all guides, you can specify a singular guide you'd like returned by adding a guideId to the request. Comma separated values are allowed. For example, if you wanted to return multiple guides but not the entire list, follow the format: guide?id=guideId_1,guideId_2,guideId_3

Details	
Method	GET
URI	/api/v1/guide?id=guideId
Parameters	guideId - the ID of the guide requested
Status Codes	200 : Response is sent as body

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PARAMS

id guideID

GET Retrieve Change History for a Guide



https://app.pendo.io/api/v1/guide/:guideld/history

Returns a JSON list of all versions of a guide, from current to oldest. Changes to guides through the Pendo user interface often result in multiple individual updates, each of which will be independently reflected in the history.

Details	
Method	GET
URI	/api/v1/guide/:guideId/history
Parameters	guideId - the ID of the guide whose history is needed
Status Codes	200: guide was located and history found. 404: guide in question was not found.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

guideld

POST Reset Guide Seen for Specific Visitor

⋳

https://app.pendo.io/api/v1/guide/:guideld/visitor/:visitorld/reset

Reset the guide seen records for a guide with ID guideId for a particular visitor with ID visitorId. The guide can be in any state.

Note: The visitor should immediately be able to see the guide again. However, the previous records may not be reflected in the UI for some time.

Details	
Method	POST
URI	<pre>/api/v1/guide/:guideId/visitor/:visitorId/ reset</pre>
Path Variables	guideId - ID of the guide to be reset visitorId - ID of the visitor whose record of having seen the guide should be removed.
Status Codes	200: guide was reset as requested. 404: The guide in question was not found.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

guideld ID of the guide to be reset

visitorId ID of the visitor whose record of having seen the guide should be removed

POST Reset Guide Seen for Specific Visitor for All Guides

 Θ

https://app.pendo.io/api/v1/guide/all/visitor/:visitorId/reset

Reset the guide seen records for a particular visitor with ID {visitorId}. All seen data will be removed across all guides for that visitor.

Details	
Method	POST
URI	/api/v1/guide/all/visitor/:visitorId/reset
Path Variables	visitorId - ID of the visitor whose record of having

	seen all guides should be removed.
Status Codes	200: guide was reset as requested.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

visitorId

ID of the visitor whose record of having seen all guides should be removed

POST Reset Individual Staged Guide



https://app.pendo.io/api/v1/guide/:guideld/reset

Reset an individual **staged** guide with ID <code>guideId</code>. All visitors that have seen the guide previously will be eligible to see it again as if it were a newly created guide. All previous guide data will be deleted for this guide, including any poll response data, though this may take some time to be reflected in the UI.

Details	
Method	POST
URI	/api/v1/guide/:guideId/reset
Parameters	guideId - ID of the guide to be reset.
Status Codes	200: guide was reset as requested. 400: The guide could not be reset (e.g. it's not a staged guide). 404: The guide in question was not found.

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type	application/json
x-pendo-integration-key	<pendo_integration_key></pendo_integration_key>
PATH VARIABLES	
guideld	guideld to be reset of all views

POST Reset All Staged Guides



https://app.pendo.io/api/v1/guide/staged/reset

Reset ALL staged guides. All visitors that have seen guides previously will be eligible to them again as if they were newly created guides. All previous guide data will be deleted, including any poll response data, though this may take some time to be reflected in the UI.

Details	
Method	POST
URI	/api/v1/guide/staged/reset
Status Codes	200 : All guides were reset as requested.

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

POST Export Guide Experiment Results



https://app.pendo.io/api/v1/guide/:guideld/experiment/export

Export all experiment results for a single guide. The response will be returned as a .csv.

Details	
Method	POST
URI	/api/v1/guide/:guideId/experiment/export
Path Variables	guideId - ID of the guide
Status Codes	200: Success 404: The guide in question was not found.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

guideld ID of the guide

GET Bulk XLIFF Export

↩

https://app.pendo.io/api/v1/guide/localization/export?guideids=guideid1,guideid2,guideid3

Export XLIFF XML for up to 15 guides per request. Guides are selected by guideld. Response contains XML with each guide XLIFF contained in a file tag.

- The Resource Center and P1/Classic guides are not supported
- · Any incorrect guidelds will cause the request to fail
- The subscription must have localization enabled in Settings

Details	
Method	GET
URL	/api/v1/guide/localization/export? guideids=guideid1,guideid2,
Parameters	Multiple guideId values, comma-separated
Status Codes	200: Success 400: Bad Request. More than 15 guides requested. 400: Bad Request. Guide ids must be provided. 400: Bad Request. guideid is resourcecenter. 400: Bad Request. Guide id xxxxx: P1 guides are not supported. 400: Bad Request. Localization is not enabled for guide's xxxxx application. 404: Not Found. guide id xxxxx not found. 500: Server Error. Any other failure.

This request is using API Key from collection Pendo API

PARAMS

guideids

guideid1,guideid2,guideid3

POST Bulk XLIFF Import



https://app.pendo.io/api/v1/guide/localization/import

Import up to 15 XLIFF 1.2 files per request. Each file is one guideld/target language combination, delineated by ... contained in the parent Import validates each file and will continue to the next file if an import fails.

- XLIFF files must be formatted correctly with all target elements complete
- Only P2/Visual Design Studio guides are supported
- The subscription must have localization and target language enabled in Settings
- Integration key requires Read/Write access.

Details	
Method	POST
URL	/api/v1/guide/localization/import
Body	
Status Codes	200: Success 400: Bad Request. Exceeds limit of 15 translations. 400: Bad Request. XLIFF Version string must be "1.2". 400: Bad Request. Improperly formatted XLIFF request. 400: Bad Request. XLIFF File has guideld and target language duplicates. 207: Multi-Status. guideld: Localization is not enabled for this guide's application. 207: Multi-Status. guideld: guide id not found. 207: Multi-Status. guideld: Target language is not enabled for the app. 207: Multi-Status. guideld: P1 guides are not supported. 207: Multi-Status. guideld: Resourcecenter is not supported.

This request is using API Key from collection Pendo API

HEADERS

content-type

application/xml; charset=UTF-8

Body raw (xml)

xml

// Copy XLIFF 1.2 file into the body

Metadata

The Metadata Chiest

i ile ivietauata Object

Attributes	
agent object	Metadata passed through the installation snippet.
auto object	Automatically captured by Pendo during event collection.
custom object	Metadata added manually or via the API.
segmentio object	Metadata passed to Pendo through a Segment.com integration.
salesforce object	Metadata passed to Pendo through a Salesforce integration.
hubspot object	Metadata passed to Pendo through a Hubspot integration.
pendo object	Metadata for Pendo-specific settings.

Accepted Date Formats

When attempting to update Date fields, please be sure to only use accepted formats. Sending unaccepted date format data into a date field can have unexpected consequences for any data entries or edits. By default, the date format in Settings > Data Mappings is IS08601 W3C format. To change this default to a different format, please contact Support.

- 1136232245 (s)
- 1136232245426 (ms)
- Mon Jan 02 2006
- Mon Jan 02 2006 15:04:05 MST-0700
- 01/02/2006 03:04pm
- [IS08601 W3C, ex: 2006-01-02T115:04:05.999-05:00]
- 2006-01-02T15:04:05-0700
- 2006-01-02T15:04:05-07:00
- 2006-01-02T15:04:05.999-07:00
- 2006-01-02T15:04:05Z07:00
- 2006-01-02T15:04:05.99Z
- 2006-01-02T15:04:05
- 2006-01-02 15:04:05 -0700
- 2006-01-02 15:04:05 MST
- 2006-01-02 15:04:05

AUTHORIZATION API Key

GET Get a Metadata Schema

 Θ

https://app.pendo.io/api/v1/metadata/schema/:kind

Gets the metadata schema for a single kind of metadata (visitor or account).

Details	
Method	GET
URI	/api/v1/metadata/schema/:kind
Path Variable	kind - "visitor" or "account"
Status Codes	200: The metadata value was updated 404: Check to make sure the visitor or account ID is valid

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

content-type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

kind "visitor" or "account"

GET Get Value of a Metadata Field



https://app.pendo.io/api/v1/metadata/:kind/:group/value/:id/:fieldName

Gets the value of metadata field for an individual account or visitor

Details	
Method	GET
URI	<pre>/api/v1/metadata/:kind/:group/value/:id/:f ieldName</pre>
Path Variables	kind - "visitor" or "account" id - ID of the visitor or account being updated fieldName - name of the metadata field being updated
Data	JSON encoded metadata value
Status Codes	200: The metadata value was updated 404: Check to make sure the visitor or account ID is valid

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

kind "visitor" or "account"

group type of metadata field by origin (agent, custom, salesforce, etc.)

id ID of the visitor or account being updated

fieldName name of the metadata field

PUT Opt-out a Visitor or Account From All Guide Display



https://app.pendo.io/api/v1/metadata/:kind/pendo/value/:id/blacklistguides

This provides an opt-out capability for visitors and accounts to prevent them from receiving guides. To use this feature, contact support to enable the setting "Enable guide exclude list per visitor and account". Without this setting, attempts to

Details	
Method	PUT
URI	/api/v1/metadata/:kind/pendo/value/:id/blacklistguides
Path Variables	kind - "visitor" or "account" id - ID of the visitor or account being updated
Body	true to disable guides false to re-enable guides
Status Codes	200 : The metadata value was updated

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

kind "visitor" or "account"

id ID of the visitor or account to update

Body raw

true

PUT Opt-Out or Do Not Process a Visitor or Account



https://app.pendo.io/api/v1/metadata/:kind/pendo/value/:id/donotprocess

נס שאר requirements where a user can invoke their data right(s).

Learn more about GDPR at Pendo.

How does Pendo use this flag?

If you select "do not process" for a visitor, the agent will recognize that it's a "do not process" visitor on the first hit of a visitor and immediately discard the data. For subsequent visits, Pendo already knows the visitor is DNP and does not even collect any data. For agent versions lower than 2.15.6, Pendo will immediately discard the data.

Note: Data for "Do Not Process" Visitors is unrecoverable, regardless of agent version.

Details	
Method	PUT
URI	/api/v1/metadata/:kind/pendo/value/:id/donotprocess
Path Variable	id - ID of the visitor being updated
Data	true to opt-out visitor from being processed in Pendo false to process visitor in Pendo
Status Codes	200 : The metadata value was updated

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

kind "visitor" or "account"

id ID of the visitor to update

Body raw

true

https://app.pendo.io/api/v1/metadata/:kind/:group/value/:id/:fieldName

Sets the value of an agent or custom metadata field on a single account or visitor. When setting custom metadata fields, a new field will be created if the provided name does not match an existing custom field. When creating fields in this manner, please go to the Data Mappings page to set the data type.

Details	
Method	PUT
URI	<pre>/api/v1/metadata/:kind/:group/value/:id/:f ieldName</pre>
Path Variables	kind - "visitor" or "account" group - type of metadata field by origin (agent, custom, salesforce, etc.) id - id of the visitor or account being updated fieldName - name of the metadata field being updated
Data	JSON encoded metadata value
Optional Request Headers	[x-pendo-base64-encoded-params]: true (only include when submitting a base64 encoded ID)
Status Codes	200: The metadata value was updated 404: Check to make sure the custom field exists in Data Mappings

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

kind "visitor" or "account"

group type of metadata field by origin (agent, custom, salesforce, etc.)

id ID of the visitor or account being updated

POST Set Value for a Set of Agent or Custom Fields

 Θ

https://app.pendo.io/api/v1/metadata/:kind/:group/value

Sets the value of multiple metadata fields on set of accounts or visitors. When setting custom metadata fields, a new field will be created if the provided name does not match an existing custom field. When creating fields in this manner, please go to the Data Mappings page to set the data type.

Any number of records may be submitted for update, but the call is limited to five (5) minutes. Any calls that takes longer will timeout with a 408 Request Timeout.

Details	
Method	POST
URI	/api/v1/metadata/:kind/:group/value
Path Variables	kind - "visitor" or "account" group - type of metadata field by origin (agent, custom, salesforce, etc.)
Optional Query Parameters	?create=true - If the visitor or account ID passed does not exist, it will be created
Data	JSON array (see example body format)
Status Codes	200: The bulk update completed. 400: The format is unacceptable due to malformed JSON or missing field mappings. 408: The call took too long and timed out.

Response Attributes	
total number	Sum of updated + failed.
failed number	Sum of length(missing) + length(errors).

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type

application/json

x-pendo-integration-key

<PENDO_INTEGRATION_KEY>

kind "visitor" or "account"

group type of metadata field by origin (agent, custom, salesforce, etc.)

Body raw

POST Create or Undelete an Agent or Custom Field

A

https://app.pendo.io/api/v1/metadata/schema/:kind/:group

Creates or undeletes up to 24 agent or custom metadata fields. When undeleting, any data for that field that was in Pendo prior to its deletion will be restored within a few hours. However, any values associated with a data scrub or received for the field(s) while it was deleted will not appear.

Details	
Method	POST
URI	/api/v1/metadata/schema/:kind/:group
Path Variables	kind - "visitor" or "account" group - "agent" or "custom"
Data	JSON array (see example body format)
Status Codes	 201: All created successfully. 207: Some fields succeeded and some failed. Review response body. 400: Body is in the wrong format or request exceeds the limit of 24. 409: All entities already exist. 422: One or more submissions failed validation. 500: All entities failed. See error in response.

Response Attributes	
schema	Contains the data submitted for each field
status	Status of the attempt: created, failed, or undeleted
error.message	If status was failed, this will indicate why
summary.created	Number of net new fields created
summary.failed	Number of fields that failed. See individual results above for specific error.
summary.undeleted	Number of fields undeleted. This will not appear if no fields were undeleted.
summary.total	Total number of fields included in the update attempt.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

kind visitor

"visitor" or "account"

group custom

"agent" or "custom"

Body raw

```
"name": "fieldName1",
    "displayname": "fieldName1",
    "type": "string"
},
```

```
"name": "fieldName2",
    "displayname": "fieldName2",

"type": "number"

,
    "name": "fieldName3",
    "displayname": "fieldName3",
    "type": "time"

,
    "name": "fieldName4",
    "displayname": "fieldName4",
    "type": "boolean"
}
```

DELETE Delete an Agent or Custom Field

⊕

https://app.pendo.io/api/v1/metadata/schema/:kind/:group/:field

Deletes an exisiting metadata field.

Details	
Method	DELETE
URI	<pre>/api/v1/metadata/schema/:kind/:group/:fiel d</pre>
Path Variables	kind - "visitor" or "account" group - "agent" or "custom" field - the name of the field (not display name)
Status Codes	200 : Deletion successful.202 : Field was already deleted.404 : Field not found.

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type

application/json

x-pendo-integration-key

<PENDO_INTEGRATION_KEY>

PATH VARIABLES

kind visitor

"visitor" or "account"

group custom

"agent" or "custom"

field metadata field name

GET Get a List of Dependencies for All Metadata Fields

a

https://app.pendo.io/api/v1/metadata/dependencies

Returns objects that all metadata fields are tied to. This includes:

- lists of all guides and reports using a draft/custom segment referencing the field
- lists of all shared segments and reports referencing the field
- a boolean true/false if the field is used in a report or segment set to "Only Me" visibility

Details	
Method	GET
URI	/api/v1/metadata/dependencies
Status Codes	200 : Response is sent as body 404 : Check to make sure the field name is valid

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

GET Get a List of Dependencies for a Metadata Field



Returns objects that a metadata field is tied to. This includes:

- lists of all guides and reports using a draft/custom segment referencing the field
- lists of all shared segments and reports referencing the field
- a boolean true/false if the field is used in a report or segment set to "Only Me" visibility

Details	
Method	GET
URI	/api/v1/metadata/dependencies/:kind/:group/:fieldName
Path Variables	kind - The type of object: visitor or account group - The type by origin: agent, auto, custom, salesforce, hubspot, or segmentio fieldName - name of the metadata field being checked for dependencies
Status Codes	200 : Response is sent as body 404 : Check to make sure the field name is valid

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

kind "visitor" or "account"

group type of metadata field by origin (agent, custom, salesforce, etc.)

fieldName name of the metadata field being updated

Data Sync

The Data Sync endpoints are only available for subscriptions that have Data Sync enabled.

AUTHORIZATION API Key

PUT Rotate Credentials for GCS Destination

⊕

https://app.pendo.io/api/v1/datasync/storageTypes/gcs/destinations/Default/credentials

Rotate the service account and secret key for a Google (GCS) Data Sync destination that has previously been configured in the Pendo UI.

For information on setup, visit the main documentation site.

Details	
Method	PUT
URI	api/v1/datasync/storageTypes/gcs/destinations/Default/credentials
Status Codes	 200: Credentials were successfully rotated 400: For one of the following reasons: Missing a required field in the request body The existing destination is not a Google Cloud Platform storage bucket Unable to validate the updated credentials provided

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Body raw

```
{
   "serviceAccount": "service-account@test-env.iam.gserviceaccount.com",
   "secretKey": "<secretKey>"
}
```

https://app.pendo.io/api/v1/datasync/storageTypes/s3/destinations/Default/credentials

Rotate the service account and secret key for an Amazon S3 Data Sync destination that has previously been configured in the Pendo UI.

For information on setup, visit the main documentation

Details	
Method	PUT
URI	api/v1/datasync/storageTypes/s3/destinations/Default/credentials
Status Codes	 200 : Credentials were successfully rotated 400 : For one of the following reasons: Missing a required field in the request body The existing destination is not an Amazon S3 bucket Unable to validate the updated credentials provided

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Body raw

```
{
  "accessKeyId": "AKIAkjvafvafd",
  "secretAccessKey": "<secretAccessKey>"
}
```

PUT Rotate Credentials for Azure Destination



Rotate the service account and secret key for a Microsoft Azure Data Sync destination that has previously been configured in the Pendo UI.

For information on setup, visit the main documentation site.

Details	
Method	PUT
URI	api/v1/datasync/storageTypes/azure/destina tions/Default/credentials
Status Codes	200: Credentials were successfully rotated 400: For one of the following reasons: - Missing a required field in the request body - The existing destination is not a Microsoft Azure blob storage - Unable to validate the updated credentials provided

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Body raw

```
{
   "clientId": "0b501e7e-feed-da1e-iced-c0ffee000000",
   "clientSecret": "<clientSecret>"
}
```

Listen

For more information about Pendo Listen, please see this article. To retrieve all your ideas and feedback, please see the Listen sources in the Aggregation section below.

AUTHORIZATION API Key

GET Get feedback options

⊕

https://app.pendo.io/api/v1/feedback/options

This endpoint returns a list of options required for submitting feedback.

Details	
Method	GET
URI	/api/v1/feedback/options

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

POST Create new feedback

⋳

https://app.pendo.io/api/v1/feedback

This endpoint allows you to create new feedback.

Details	
Method	POST
URI	/api/v1/feedback
Status Codes (see above for full list)	200: Everything worked as expected. 400: AccountId, title, appIds, importance are missing or values passed are invalid/blank in request.
	404: The appId, accountId, or visitorId provided do not exist.

The request object

Attributes	Description
title string	Required. Title of the feedback.
visitorId string	Visitor ID passed in the snippet.
accountId string	Required. Account ID passed in the snippet.
importance number	Required. Importance of the feedback. Valid values: -1: Not interested 1: Nice to have 2: Must have
appIds array	Required. An array of applicationIds.
description string	Description of the feedback.
productAreas array	An array of productArealds to associate with the feedback.
labels array	An array of objects with a label name and optional categoryName to associate with the feedback. If the label/category does not yet exist, it will be created

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Body raw

```
"accountId": "exampleAccount",
    "visitorId": "exampleVisitor",
    "createdById": "anotherVisitor",
    "createdAt": 1746194289860,
    "title": "This is the title",
    "description": "This is a more verbose description of the feedback.",
    "applds": [
```

```
αρμτασ . L
        -323232
    ],
    "labels": [
        {
            "name": "Admin",
            "category": "Role"
        3,
        £
            "name": "label"
   ],
    "importance": 2,
    "productAreas": [
       "_PENDO_DEFAULTGROUP_00_"
   ],
    "linksData": [
        £
            "title": "Pendo",
            "linkUrl": "https://app.pendo.io"
   ]
3
```

PATCH Update existing feedback

⊕

https://app.pendo.io/api/v1/feedback/:id

This endpoint allows you to update an existing feedback request.

Details	
Method	PATCH
URI	/api/v1/feedback/:id
Path Variable	id - the unique identifier of the feedback request
Status Codes (see above for full list)	200: Everything worked as expected. 400: AccountId, title, appIds, importance are missing or values passed are invalid/blank in request.
	404: The appId, accountId, or visitorId provided do not exist.

The request object

Attributes	Description
title string	Title of the feedback. This cannot be empty. If title is included, it must contain a value.
importance number	Importance of the feedback. If provided, it must have one of the following valid values: -1: Not interested 1: Nice to have 2: Must have
appIds array	Required. An array of applicationIds.
description string	Description of the feedback.
productAreas array	An array of Product Areas to associate with the feedback. This will overwrite any existing values. To remove all Product Areas from a request, provide an empty array.
labels	An array of objects with a label name and optional categoryName to associate with the feedback. This will overwrite any existing values. To remove all existing labels/categories from a request, provide an empty array. If the label/category does not yet exist, it

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

PATH VARIABLES

id HyyP3t3V2-v46aSzv0OrbHfbgCQ

Body raw

```
"title": "This is a brand new title",
    "description": "This is the same piece of feedback in the previous Create New Feedback exam
    "labels": [
        £
            "name": "newlabel",
            "category": "newcategory"
        3,
        £
            "name": "existinglabel1"
        3,
            "name": "existinglabel2",
            "category": "existingcategory1"
        3
   ],
    "importance": -1,
    "createdBy": "AgathaHarkness",
    "createdAt": 1746194980796
3
```

Admin

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

GET Verify integration key

⊕

https://app.pendo.io/api/v1/token/verify

The verify endpoint allows you to check the validity of an integration key and whether that key has write access. No body is required as the system evaluates the key used in the x-pendo-integration-key header.

Details	
Method	GET
URI	/api/v1/token/verify
Status Codes	200 : Response is sent as body 403 : Key is invalid.

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

application/json

Aggregation

Aggregations are a Pendo-developed query language for accessing and processing Pendo data. They take sources of Pendo data and apply operators to do computations. These aggregations are extremely powerful and are used to compute almost all analytics found in the Pendo UI.

Note: This aggregations endpoint is NOT intended to be a bulk export feature. Breaking up aggregations by smaller time ranges may be necessary if you encounter size or timeout limits. For more information on our data sync offerings for bulk data exports, see Data Sync export handling.

Limitations

Pendo aggregations are limited to:

- 5 minute runtime or
- 4 gb of output

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

Core concepts

Core concepts feature throughout the Aggregations documentation. It is important to understand their hierarchy and relationships when building your aggregations.

Pendo terminology

- Subscription: This is the highest level of customer data. Each API integration key is created at the subscription level and gives access to all of the assets listed below contained in that subscription. Some customers may have multiple subscriptions but any analytics you see in the UI or access through the API are within the context of a single subscription.
- Application: A Pendo subscription can contain one or more applications. Every subscription has a default web application. When querying any (or all) applications within a subscription, you must specify the appld. The appld is present in the URL after you navigate to the app from Subscription Settings.
- Visitor: The end users interacting with the customer's application.
- Account: A hierarchy of data that represents a group of visitors.
- Event: A specific action that a visitor takes in your application. Pendo collects these actions to track visitor behavior. Events may be: Click Events, Track Events, Page View Events, or Guide Events.

Aggregation terminology

- Pipeline: The aggregation pipeline is a collection of source data, operators, and expressions that processes,
 transforms, and returns results. Pendo aggregations use a flexible aggregation pipeline modeled after MongoDB. In
 a pipeline, successive operations are informed by the previous result, so when constructing aggregations, it's
 important to remember that aggregations are executed from the top down and an operator can only interact with
 rows passed from the previous step.
- **Source**: Usually the first section of your pipeline, the source is the type of data you want to query. For example, if you wanted to retrieve information about a visitor, such as metadata or their last visit date, you would specify the visitors source, but if you wanted information about events that a visitor generated, you would specify the events source.
- Operators: Operators transform incoming data from the sources into new data. Specific operators are covered in more detail below but in general, operators consume rows, then produce new or modified rows in many different ways such as filtering rows out or combining them.
- Expressions: A number of pipeline operators support expressions. Fundamentally, expressions are functions that combine input values into an output value. Expressions follow basic C expression syntax together with function calls. Some common examples include And (A && B), Equals (A == B), or functions like isEmpty(fieldName).

Anatomy of an aggregation

```
"pipeline":
      "source": {
          "events": null,
                                                               The SOURCE of data
          "timeSeries": {
              "first": "now()",
              "count": -10,
              "period": "dayRange"
                                                               An EXPRESSION
      "filter"
                "visitorId == `exampleVisitor`"
      "select": {
          "visitorId": "visitorId",
          "numEvents": "numEvents"
                                                               A SELECT operator
                                                                             pendo
```

Every pipeline must be wrapped in the following request and response blocks. You can add an optional name to the request block to more easily identify your requests.

```
json
{
    "response": {
```

Field reference

The basic unit is a row that contains named fields. Wherever a field name is needed, a dotted list of field names can be used to specify nested objects. This dot notation can also be used to create new fields in your output by adding them to eval or select statements.

In the example below, referencing [account.id] returns [exampleAccount] while referencing [metadata.agent.boolean] returns the value [true].

```
json

{
    "id": "exampleVisitor",
    "metadata": {
        "agent": {
            "boolean": true,
            "text": "This is a string"
        }
    },
    "account": {
        "id": "exampleAccount"
    }
}
```

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

Source parameters

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

timeSeries

Some sources have a time dimension, such as sources listing events over time. These sources have a special timeSeries parameter in the source block to define the time range. When referencing time in aggregations, it is important to remember that all times are in milliseconds after the epoch and where relevant, such as the determination of midnight, the current subscription's timezone setting is used.

- -

Period parameter

The period parameter is the basic time unit used by the other two parameters to define the time range.

timeSeries	Period resets
hourRange	Every hour
dayRange	Every day at midnight
weekRange	Every Sunday at midnight
monthRange	Every first of the month at midnight

Time range parameters

Once the period is set, the remaining timeSeries parameters determine the actual time range. These include a first parameter and either a last or count parameter, depending on whether you are querying an absolute or relative time range. There are three possible ranges:

1. "first": X, "last": Y

The time range starts with the period containing X and ends with the period containing Y, both inclusive.

2. "first": X, "count": Y > 0

The time range starts with the period containing X (inclusive) and spans Y periods

3. "first": X, "count": Y < 0

The time range ends with the period before the period containing X (i.e., exclusive of period X) and spans Y periods backwards

Specifying dates

Often literal millisecond epoch timestamps are used as values for first and last, however aggregation expressions can be used (see the Expressions section for more detail). Common examples:

- "now()" evaluates to the current time
- "date(2021, 7, 28, 12, 30, 00)" evaluate to a given date in the subscription's timezone (trailing date components can be omitted and default to 0 or 1 as appropriate, e.g. date(2021, 7, 28) is midnight and date(2021, 7) is July 1).
- "dateAdd(X, Y, "unit")"
 evaluates to X incremented by Y (integer, may be negative) "units", which may be any of hours, days, weeks, months.

Time range examples

Example 1 - dayRange

With a period of dayRange and epoch timestamps of 1693540800000 (September 1st, 2023 12:00:00 AM ET) and 1693932275771 (September 5th, 2023 12:44:35 PM ET), this will returns all events from midnight of September 1st to the end of the day of September 5th.

```
"timeSeries": {
    "period": dayRange,
    "first": 1693540800000,
    "last": 1693932275771
}
```

Example 2 - hourRange

With a period of hourRange and epoch timestamps of 1693540800000 (September 1st, 2023 12:00:00 AM ET) and 1693932275771 (September 5th, 2023 12:44:35 PM ET), this will returns all events from midnight of September 1st to 12:59:59 PM ET of September 5th (i.e. the end of the 12PM hour).

```
Plain Text

"timeSeries": {
    "period": hourRange,
    "first": 1693540800000,
    "last": 1693932275771
}
```

Example 3 - date()

This is the same timeSeries as example 1, but with the first and last dates set using the date() function. As above, this will returns all events from midnight of September 1st to the end of the day of September 5th.

```
Plain Text

"timeSeries": {
    "period": dayRange,
    "first": "date(2023, 9, 1)",
    "last": "date(2023, 9, 5, 12, 44, 35)"
}
```

Example 4 - count

This is the same timeSeries as example 1, but uses using a count of 5 from the first date instead of an absolute range. As above, this will returns all events from midnight of September 1st to the end of the day of September 5th. This may also be accomplished using date(2023, 9, 1) as the first value.

```
Plain Text

"timeSeries": {
    "period": dayRange,
    "first": 1693540800000,
    "count": 5
}
```

Example 5 - now()

As now() evaluates to the current time, for this example assume that it is September 5, 2023 12:44:35 PM ET. In this scenario, now() - 5 with a dayRange equates to September 5th (inclusive) looking back 5 days to September 1st, thus making this equivalent to examples 1 and 3.

```
"timeSeries": {
    "period": dayRange,
        "first": "now()",
        "count": -5
}
```

This folder is using API Key from collection Pendo API

Exclude list / blacklist

The "blacklist" (called "Exclude List" in the UI) is a set of rules for suppressing specific activity from counting Pendo's analytics. Excluded data is still collected; it's just excluded from analytics. By default, all aggregation sources apply the blacklist. This behavior can be changed with the optional blacklist parameter:

```
"blacklist": "apply": apply the exclusion list, normal behavior

"blacklist": "ignore": do not apply the exclusion list

"blacklist": "only": return only the data that matches the exclusion list
```

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

Application IDs

For subscriptions with multiple applications, some sources have an appld parameter that specifies which application(s) to load data for. When left unspecified, the sources use the default app only. Valid syntax is:

- "appId": 12345 : for a single app ID
- ("appId": [12345, 54321, ...]: for multiple app IDs
- ["appId": "expandAppIds(\"filter\")"]: which returns all app IDs matching a filter, where filter is one of the following:
 - *: matches all apps
 - web: matches all Web apps
 - extension: matches all "extension" apps
 - mobile: matches all mobile apps (iOS + Android + any future platforms)
 - [ios]/[android]: matches all iOS or Android mobile apps, respectively
 - Two or more of the above separated by (with no spaces): matches apps meeting any of multiple filters (e.g., web|mobile matches Web and mobile apps, but not extension apps)

This folder is using API Key from collection Pendo API

Metadata and object sources

The following sources interact with the "nouns" within Pendo. These return a current snapshot of the objects named in the source. These sources do not provide historical or event data.

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

POST visitors

e

https://app.pendo.io/api/v1/aggregation

The visitors source returns one row per visitor ever seen in the subscription and contains various metadata associated with the visitor. Each visitor has a unique visitorld that is either:

- Identified, meaning a visitorld was defined by you and passed through the installation snippet
- Anonymous. If you have enabled the capture of anonymous visitor traffic, this is an auto-generated Id by Pendo when no visitorId was provided by the snippet. Anonymous visitor IDs are prepended with *PENDO_T*.

Add the source parameter since to return only visitors last updated since X time.

Visitor data can also be accessed using the bulkExpand pipeline operator. This operator is defined below and allows you to include visitor data when using other sources (e.g. event sources).

Attributes (nested elements separated by .)	
id string	Unique identifier for the visitor.
metadata object	Object containing all metadata for the visitor. This includes data captured by the agent, custom fields created via the API, integration-specific data from salesforce, hubspot, and segmentio, as well as data auto-generated by Pendo.
metadata.auto.accountId string	The Account ID last associated with the visitor.
metadata.auto.accountIds array	All Account IDs associated with the visitor.
metadata.auto.firstvisit number	The timestamp in milliseconds after the epoch when an event was first captured for the visitor.
metadata.auto.idhash number	Hash of visitor Id.
metadata.auto.lastbrowsername string	Most recent browser name.
metadata.auto.lastbrowserversion	Most recent browser version.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

POST accounts

 Θ

https://app.pendo.io/api/v1/aggregation

The accounts source is the analogue of the visitors source. It returns one row per account ever seen in the subscription and contains various metadata associated with the account. Each account has a unique accountly defined by you through the installation snippet. Pendo does not auto-generate anonymous account values and as such, any visitor passed with no account will be associated with no account.

Account data can also be accessed using the bulkExpand pipeline operator. This operator is defined below and allows you to include account data when using other sources (e.g. event sources).

If your subscription has the **Enable Parent Accounts** setting enabled, you can pass in parameters to control whether you are querying for child accounts (sub accounts), parent accounts, or both. If you use null source parameters, the default behavior is to return child accounts only.

Attributes	
accountId string	Unique identifier for the account.
metadata string	Object containing all metadata for the account. This includes data captured by the agent, custom fields created via the API, integration-specific data from salesforce, hubspot, and segmentio, as well as data auto-generated by Pendo.
metadata.auto.firstvisit integer	Time of first visit, in milliseconds since the epoch.
metadata.auto.idhash integer	Hash of account Id
metadata.auto.lastupdated integer	Time of last update, in milliseconds since the epoch.
metadata.auto.lastvisit integer	Time of last visit, in milliseconds since the epoch.
metadata.autoxxxxx object	Returned in multi-app subscriptions only. Specifies the above metadata specific to each application where xxxxx is the application ID.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Body raw

POST pages

 \Box

https://app.pendo.io/api/v1/aggregation

The pages source returns one row per page defined in your Pendo subscription and contains metadata about that page. Each page has a name defined by you during the tagging process and a Pendo-generated ID. Although pages can be accessed directly as a source, page data is most commonly retrieved in conjunction with other sources by using the expand pipeline operator defined below.

Optional Source Parameters	
appId	By default, the source returns data for the default application. For multi-app subscriptions, you can specify specific app(s) as outlined above. Do not use in conjunction with pageId.
pageId	Enter the unique identifier to return data on a single page. Do not use in conjunction with appId.

Response Attributes	
createdByUser object	Object containing information related to the user that created the page.
createdAt number	The timestamp in milliseconds after the epoch when the page was created.
lastUpdatedByUser object	Object containing information related to the user that last updated the page.
lastUpdatedAt number	The timestamp in milliseconds after the epoch when the page was last updated.
kind string	Returns the type of object. Page for example.
rootVersionId string	The unique identifier of the root entity, which nominally matches the public id field of the page.
stableVersionId string	The unique identifier for the current version of the page.
id string	Unique identifier for the page.
appId number	Unique identifier for the application in use.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

POST features



https://app.pendo.io/api/v1/aggregation

The features source returns one row per feature defined in your Pendo subscription and contains metadata about that feature. Each feature has a name defined by you during the tagging process and a Pendo-generated ID. Although features can be accessed directly as a source, feature data is most commonly retrieved in conjunction with other sources by using the expand pipeline operator defined below.

Optional Source Parameters	
appId	By default, the source returns data for the default application. For multi-app subscriptions, you can specify specific app(s) as outlined above. Do not use in conjunction with featureId.
featureId	Enter the unique identifier to return data on a single feature. Do not use in conjunction with appId.

Attributes	
createdByUser object	Object containing information related to the user that created the feature.
createdAt	The timestamp in milliseconds after the epoch when the feature was created.
lastUpdatedByUser object	Object containing information related to the user that last updated the feature.
lastUpdatedAt number	The timestamp in milliseconds after the epoch when the feature was last updated.
kind string	Returns the type of object. Feature for example.
rootVersionId string	The unique identifier of the root entity, which nominally matches the public id field of the feature.
stableVersionId string	The unique identifier for the current version of the feature.
id string	The unique identifier for the feature.

name Display name for the feature.

string

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Body raw

POST trackTypes

https://app.pendo.io/api/v1/aggregation

The trackTypes source returns one row per track type ever seen by Pendo (and not subsequently deleted) and contains metadata about that track type. Each track type has a name defined by you in the track event submission and a Pendo-generated ID. Although trackTypes can be accessed directly as a source, track type data is most commonly retrieved in conjunction with other sources by using the expand pipeline operator defined below.

Optional Source Parameters	
appId	By default, the source returns data for the default application. For multi-app subscriptions, you can specify specific app(s) as outlined above. Do not use in conjunction with <code>trackTypeId</code> .
trackTypeId	Enter the unique identifier to return data on a single track type. Do not use in conjunction with appId.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Body raw

POST doNotProcessVisitors

 \odot

doNotProcessVisitors is a special variant of the visitors source that returns ONLY records marked doNotProcess in the Pendo UI. This flag is set as part of Pendo's GDPR delete process but can also be set independent of that process either in the UI or via the API.

This source works the same way as visitors with respect to source parameters and data returned.

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Body raw

POST doNotProcessAccounts



https://app.pendo.io/api/v1/aggregation

doNotProcessAccounts is a special variant of the accounts source that returns ONLY records marked doNotProcess in the Pendo UI. This flag is set as part of Pendo's GDPR delete process but can also be set independent of that process either in the UI or via the API.

This source works the same way as accounts with respect to source parameters, data returned, and parent and child/sub accounts.

ALITHORIZATION API KAV

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Body raw

POST guides

 Θ

https://app.pendo.io/api/v1/aggregation

The guides source returns one row per guide defined in your Pendo subscription and contains metadata about that guide and its associated steps. Each guide has a name defined by you during the creation process and a Pendogenerated ID.

This source is most frequently used in conjunction with other sources by using the merge operator.

Optional Source Parameters	
appId	By default, the source returns data for the default application. For multi-app subscriptions, you can specify specific app(s) as outlined above.

The Guide Object

Response Attributes	
appId number	Unique identifier for the application to which the guide is associated.
attributes object	Data used for the agent's handling of the guide. See attributes object below for more information.
audience array	The aggregation pipeline used by the system to process the segment rules.
audienceUiHint object	Internal values used to build audience rules in the UI.
authoredLanguage string	The default language of the guide.
conversion object	An object containing guide goal configuration settings.
createdAt number	The timestamp in milliseconds after the epoch when the guide was created
createdByUser object	Object containing information related to the user that created the guide.
currentFirstEligibleToBeSeenAt number	Used in the calculation of email delivery. Usually equal to 0 or the showsAfter date.

The Attributes Object

Response Attributes	
activation object	Information about guide activation including type of event and css selector
badge object	Information about the badge for badge-activated guides
capping object	Information about the number of times a guide can be seen.
dates object	The more recent of createdAt or resetAt date in the format used by the translated language.
device object	Object containing the device types supported by the guide
dom	Object containing badge and element-activated guide display settings
email boolean	NPS Only. Shows if email delivery is enabled for NPS guides. Empty for all non-NPS guides.
isAnnouncement boolean	Returns true if the guide is a Resource Center announcement.

overrideAutoThrottling	Returns true if "Ignore Guide Throttling" is enabled for
boolean	the guide.

The Steps Object

Response Attributes	
advanceMethod string	Returns the steps advance method - button, programatic, or element.
attributes object	Data used for the agent's handling of the guide step. Contains step properties such as the height, width, autoHeight, position, css, and variables.
confirmationElementPathRule string	Adopt-specific. The path rule for the Confirmation feature in adopt Studio.
contentType string	The MIME type text/html or application/javascript of the content of this guide step.
elementContainsRulesList string	Used in conjunction with elementPathRule if that uses a contains rule
elementPathRule string	The element path that indicates where the tooltip or badge "points" to (blank if not applicable).
guideId string	ID of the parent guide.
id string	Unique identifier for the step.
lastUpdatedAt	The timestamp in milliseconds when the guide step

The Polls Object

Response Attributes	
attributes object	Information about the type and display of the poll.
id string	The unique identifier for that poll.
idResponses array	The unique identifiers for each response in picklist and yes/no polls as well as labels for numeric polls.
numericResponses array	A list of numbers configured in numeric polls.
question string	The text question associated with the poll. Used as the title of the poll in the UI.
resetAt number	The timestamp in milliseconds after the epoch when the poll's data was last reset.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Body raw

POST groups

https://app.pendo.io/api/v1/aggregation

The groups source returns one row per Product Area defined in your Pendo subscription and contains metadata about that product area. Each product area has a name defined by you during the creation process and a Pendo-generated ID.

This source also includes information about Guide Category groups. This data can be retrieved with an optional source parameter.

This source is most frequently used in conjunction with other sources by using the merge operator.

Optional Source Parameters	
items	By default, the list of associated items (pages, features, etc.) are not returned. Use "items": true to include this in the response.
groupType	By default, only product area groups are returned. Use

"groupiype":	"guidecategory"	to view guide
categories.		

Response Attributes	
createdByUser object	Object containing information related to the user that created the group.
createdAt number	The timestamp in milliseconds after the epoch when the group was created.
<pre>lastUpdatedByUser object</pre>	Object containing information related to the user that last updated the group.
lastUpdatedAt number	The timestamp in milliseconds after the epoch when the group was last updated.
color string	The color assigned to the group in the UI.
description string	The description added to the group in the UI.
id string	Unique identifier for the group.
length number	The number of items (pages, features, etc.) associated with the group.
name string	Display name for the group.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Events sources

The following sources interact with the events collected by Pendo. Unless otherwise noted, all the following sources require a timeSeries in the source specification.

Events sources may be grouped or ungrouped. Grouped sources return a visitor's number of events over time, based on a combination of fields, to create a unique "key" where ungrouped sources return individual events.

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

POST events



https://app.pendo.io/api/v1/aggregation

The events source is a grouped source of all events recorded by your Pendo installation in the specified timeSeries. This includes both tagged and untagged page loads and feature clicks as well as behind-the-scenes metadata updates and identify events. It also returns track events in the count if the application setting "Count Track Events Received For A Visitor As Time In Application" is enabled.

Events are grouped based on a unique combination of fields and then a count (numEvents) and duration (numMinutes) of each combination is added.

Optional Source Parameters	
appId	By default, the source returns data for the default application. For multi-app subscriptions, you can specify specific app(s) as outlined above.
blacklist	By default, the source applies any configured exclude list. See above for other options.

Optional query parameter	
details=true	When set to true, a details object is returned with the
	field validThrough, an object whose keys represent

	the Pendo application ID and whose value is a timestamp that indicates when data was last processed
Response attributes	
accountId string	The account ID associated with the event(s).
appId number	The application ID associated with the event(s).
day number	When querying with dayRange, the equivalent of midnight of the day in milliseconds since the epoch.
hour	When querying with hourRange, the equivalent of the top of the hour in milliseconds since the epoch.
week number	Midnight of the Sunday beginning the week containing the event in milliseconds since the epoch.
month number	Midnight of the first day of the month containing the event in milliseconds since the epoch.
quarter number	Midnight of the day beginning the calendar quarter containing the event in milliseconds since the epoch.
pageId string	In the events source, will always return as "allevents" or "allevents-appID".
numEvents number	A count of events generated by this group of unique keys.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

POST pageEvents



https://app.pendo.io/api/v1/aggregation

The pageEvents source is a grouped source of all page load events for tagged Pages in the specified timeSeries.

Events are grouped based on a unique combination of fields and then a count (numEvents) and duration (numMinutes) of each combination is added. If an event matches multiple tagged Pages, it will be counted in each match.

To include Page metadata such as name or lastUpdated, use the [expand] operator.

Optional Source Parameters	
appId	By default, the source returns data for the default application. For multi-app subscriptions, you can specify specific app(s) as outlined above.
blacklist	By default, the source applies any configured exclude list. See above for other options.
pageId	Enter the unique identifier to return events for a single Page. Do not use in conjunction with appId. Must be specified when using hourRange in the timeSeries. You may specify more than one pageId by using "pageIds": ["pageId1", "pageId2", "pageIdN"]

Optional query parameter	
details=true	When set to true, a details object is returned with the field validThrough, an object whose keys represent the Pendo application ID and whose value is a timestamp that indicates when data was last processed

Response attributes	
accountId string	The account ID associated with the event(s).
appId number	The application ID associated with the event(s).
day number	When querying with dayRange, the equivalent of midnight of the day in milliseconds since the epoch.
hour number	When querying with hourRange, the equivalent of the top of the hour in milliseconds since the epoch.
week number	Midnight of the Sunday beginning the week containing the event in milliseconds since the epoch.
month number	Midnight of the first day of the month containing the event in milliseconds since the epoch.
quarter number	Midnight of the day beginning the calendar quarter containing the event in milliseconds since the epoch.
pageId string	The unique identifier for the page.
numEvents number	A count of page load events attributed to this row of unique keys.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

POST featureEvents

ð

https://app.pendo.io/api/v1/aggregation

The featureEvents source is a grouped source of all click events for tagged Features in the specified timeSeries.

Events are grouped based on a unique combination of fields and then a count (numEvents) and duration (numMinutes) of each combination is added. If an event matches multiple tagged Features, it will be counted in each match.

To include Feature metadata such as name or lastUpdated, use the expand operator.

Optional Source Parameters	
appId	By default, the source returns data for the default application. For multi-app subscriptions, you can specify specific app(s) as outlined above.
blacklist	By default, the source applies any configured exclude list. See above for other options.
featureId	Enter the unique identifier to return events for a single Feature. Do not use in conjunction with appId. Must be specified when using hourRange in the timeSeries. You may specify more than one featureId by using "featureIds": ["featureId1", "featureId2", "featureIdN"]

Optional query parameter	
details=true	When set to true, a details object is returned with the field validThrough, an object whose keys represent the Pendo application ID and whose value is a timestamp that indicates when data was last processed

Response attributes	
accountId string	The account ID associated with the event(s).
appId number	The application ID associated with the event(s).
day number	When querying with dayRange, the equivalent of midnight of the day in milliseconds since the epoch.
hour	When querying with hourRange, the equivalent of the top of the hour in milliseconds since the epoch.
week number	Midnight of the Sunday beginning the week containing the event in milliseconds since the epoch.
month number	Midnight of the first day of the month containing the event in milliseconds since the epoch.
quarter number	Midnight of the day beginning the calendar quarter containing the event in milliseconds since the epoch.
featureId string	The unique identifier for the feature.
numEvents number	A count of events generated by this group of unique keys.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

POST trackEvents

⊕

https://app.pendo.io/api/v1/aggregation

The trackEvents source is a grouped source of all track events received in the specified timeSeries.

Events are grouped based on a unique combination of fields and then a count (numEvents) and duration (numMinutes) of each combination is added.

To include trackType metadata such as name or lastUpdated, use the expand operator.

Optional Source Parameters	
appId	By default, the source returns data for the default application. For multi-app subscriptions, you can specify specific app(s) as outlined above.
blacklist	By default, the source applies any configured exclude list. See above for other options.
trackTypeId	Enter the unique identifier to return events for a single trackType. Do not use in conjunction with appId. Must be specified when using hourRange in the timeSeries. You may specify more than one trackTypeId by using "trackTypeIds": ["trackTypeId1", "trackTypeId2", "trackTypeIdN"]

Optional query parameter	
details=true	When set to true, a details object is returned with the field validThrough, an object whose keys represent the Pendo application ID and whose value is a timestamp that indicates when data was last processed

Response attributes	
accountId string	The account ID associated with the event(s).
appId number	The application ID associated with the event(s).
day	When querying with dayRange, the equivalent of midnight of the day in milliseconds since the epoch.
hour number	When querying with hourRange, the equivalent of the top of the hour in milliseconds since the epoch.
trackTypeId string	The unique identifier for the track event.
numEvents number	A count of events generated by this group of unique keys.
numMinutes number	The duration of the events this group of unique keys.
remoteIp string	The IP address captured at the time of the event(s).
server string	The server of the URL of the event(s). Server-side track events will returnapitrackevent

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

```
"response": {
    "mimeType": "application/json"
},
"request": {
    "pipeline": [
    {
        "source": $
```

POST guideEvents



https://app.pendo.io/api/v1/aggregation

The guideEvents source is an ungrouped source that returns all guide events received in the specified timeSeries.

To include guide metadata, such as name or lastUpdated, use the merge operator.

Optional Source Parameters	
appId	By default, the source returns data for the default application. For multi-app subscriptions, you can specify specific app(s) as outlined above.
blacklist	By default, the source applies any configured exclude list. See above for other options.
guideId	Enter the unique identifier to return events for a single Guide.
guideStepId	Enter the unique identifier to return events for a single Guide step. Must include guideId when specifying this.

Response attributes	
accountIds	The account IDs associated with the event.
browserTime number	The timestamp of the event in milliseconds since the epoch.
country	Geolocation data determined using remoteIp.
elementPath string	Internal Pendo use.
eventId string	Internal Pendo use.
type	The type of guide event. See table below.
guideId string	Unique identifier for the guide.
guideSeenReason string	Information on how and why the guide was shown. For guideTimeout, this indicates why the guide timed out.
guideStepId string	Unique identifier for the guide step.

guideEvent type attributes	
guideSeen	The guide is displayed to a visitor.
guideActivity	The visitor interacts with one of the guide elements such as clicking a button to advance to the next step or submit a poll.
guideAdvanced	The guide attempts to advance to the next step. Usually follows a guideActivity event and is followed by a guideSeen event for the next step.
guideDismissed	The active guide is dismissed. Usually follows a guideActivity event.
guideTimeout	The agent attempts to show the guide but cannot due to missing elements, page mismatches, or network issues.

This request is using API Key from collection Pendo API

HEADERS

x-pendo-integration-key

<PENDO_INTEGRATION_KEY>

Body raw

```
{
    "response": {
        "mimeType": "application/json"
    3,
    "request": {
        "pipeline": [
            {
                 "source": {
                     "guideEvents": null,
                     "timeSeries": {
                         "period": "dayRange",
                         "first": "now()",
                         "count": 1
                     3
                 3
            3
        ]
    3
}
```

POST guidesSeen

 \Box

https://app.pendo.io/api/v1/aggregation

The <code>guidesSeen</code> source is an "all-time" source that returns the visitors that have last seen the specified Guide within the timeSeries. A visitor is only returned if their most recent viewing of the guide is within the time series given.

To include guide metadata, such as name or lastUpdated, use the merge operator.

Optional Source Parameters	
appId	By default, the source returns data for the default application. For multi-app subscriptions, you can specify specific app(s) as outlined above.
blacklist	By default, the source applies any configured exclude list. See above for other options.
guideId	Enter the unique identifier to return events for a single Guide.

guideStepId	Enter the unique identifier to return events for a single Guide step. Must include guideId when specifying this.
Response attributes	
guideId string	Unique identifier for the guide.
guideStepId string	Unique identifier for the guide step.
visitorId string	The visitor ID associated with the event.
firstSeenAt number	The time the guide was first seen by the visitor in milliseconds after the epoch.
lastAdvancedAutoAt number	If lastState = advanced, the timestamp of that event in milliseconds after the epoch.
lastDismissedAutoAt number	The last time the guide was dismissed in milliseconds after the epoch.
lastNotSeenAt number	Internal Pendo use.
lastSeenAt number	The time of the last guideSeen event in milliseconds after the epoch.
lastTimeoutAt number	The time of the last guideTimeout in milliseconds after the epoch.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

POST guidesSeenEver

₼

https://app.pendo.io/api/v1/aggregation

The <code>guidesSeenEver</code> source is a broader summary of guide events and returns the visitors that have seen the specified guide at any time in the subscription's history. This source does not require a <code>timeSeries</code>.

The <code>guidesSeenEver</code> source takes the same parameters and returns the same response attributes as <code>guidesSeen</code> above.

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

```
}
]
}
```

POST pollEvents

ldot

https://app.pendo.io/api/v1/aggregation

The pollEvents source is an ungrouped source that returns all poll responses received in the specified timeSeries.

To include guide and poll metadata, such as the poll question, use the merge operator with the guides source.

Optional Source Parameters	
appId	By default, the source returns data for the default application. For multi-app subscriptions, you can specify specific app(s) as outlined above.
blacklist	By default, the source applies any configured exclude list. See above for other options.
guideId	Enter the unique identifier to return events for a single Guide.
pollId	Enter the unique identifier to return events for a single Poll. Must include guideId when specifying this.

Response attributes	
accountIds list	The account IDs associated with the event.
browserTime number	The timestamp of the event in milliseconds since the epoch.
country string	Geolocation data determined using remoteIp.
elementPath string	Internal Pendo use.
eventId string	Internal Pendo use.
type string	The type of event.
guideId string	Unique identifier for the guide.
guideStepId	Unique identifier for the guide step.

guideTimestamp Equivalent to browserTime.

number

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

Body raw

```
{
    "response": {
        "mimeType": "application/json"
    ζ,
    "request": {
        "pipeline": [
            {
                 "source": {
                     "pollEvents": null,
                     "timeSeries": {
                         "period": "dayRange",
                         "first": "now()",
                         "count": 1
                     3
                3
            3
        ]
    3
3
```

POST pollsSeen

 \Box

https://app.pendo.io/api/v1/aggregation

The pollsSeen source is an "all-time" source that returns the visitors that have last responded to the specified poll within the timeSeries. A visitor is only returned if their most recent response is within the time series given.

Optional Source Parameters	
appId	By default, the source returns data for the default application. For multi-app subscriptions, you can specify specific app(s) as outlined above.
blacklist	By default, the source applies any configured exclude list. See above for other options.
guideId	Enter the unique identifier to return events for a single Guide.
pollId	Enter the unique identifier to return events for a single Poll. Must include guideId when specifying this.

Response attributes	
time	The timestamp of the event in milliseconds since the epoch.
guideId string	Unique identifier for the guide.
pollId string	Unique identifier for the poll.
visitorId string	The visitor ID associated with the event.
accountId string	The account ID associated with the event.
pollResponse string or number	The submitted poll response. For some poll types such as Picklist, it will be a unique identifier choice. Merge with the guides source to find the configured text.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

```
{
    "response": {
        "mimeType": "application/json"
    ζ,
    "request": {
        "pipeline": [
            {
                 "source": {
                     "pollsSeen": null,
                     "timeSeries": {
                         "period": "dayRange",
                         "first": "now()",
                         "count": 1
                     3
                3
            3
        ]
    3
3
```

POST pollsSeenEver

 Θ

https://app.pendo.io/api/v1/aggregation

The pollsSeenEver source is a broader summary of poll events and returns the visitors that have responded to the specified poll at any time in the subscription's history. This source does not require a timeSeries.

The pollsSeenEver source takes the same parameters and returns the same response attributes as pollsSeen above.

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

```
{
    "response": {
        "mimeType": "application/json"
}.
```

POST emailEvents



https://app.pendo.io/api/v1/aggregation

The email events source is an ungrouped source that returns all email events sent from Pendo in the specified timeSeries. These are most commonly associated with NPS guides and Orchestrate campaigns.

Optional Source Parameters	
appId	By default, the source returns data for the default application. For multi-app subscriptions, you can specify specific app(s) as outlined above.
blacklist	By default, the source applies any configured exclude list. See above for other options.
targetType	The type of email. May be campaign or guide.
targetId	The ID of a specific email to return. If included, you must also include targetType.
eventType	The delivery status of email. Accepted values are: - sent - delivered - opened - clicked - bounced - unsubscribed - complaint - subscribed (currently only available for Hubspot)

Response attributes	
accountIds array	The account ID(s) associated with the event(s).
browserTime number	The timestamp of the event in milliseconds since the epoch.
eventId string	Unique identifier for the event. (For internal Pendo use)
type string	The type of event (see eventType above). Preceded by email:pendo:
oldVisitorId string	For internal Pendo use
<pre>remoteIp string</pre>	Not included for email events.
serverName string	Not included for email events.
url string	Not included for email events.
<pre>visitorId string</pre>	The visitor ID associated with the event(s).

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

```
SUULUE . L
                     "emailEvents": {
                         "appId": [
                             -323232
                         ],
                         "blacklist": "apply",
                         "targetType": "campaign",
                         "targetId": "Q841GXTP6iPMcJK7YNKDpmCmtDs",
                         "eventType": "sent"
                     3,
                     "timeSeries": {
                         "period": "dayRange",
                         "first": "now()",
                         "count": -30
                    3
                3
            3
        ]
    3
3
```

Listen sources

The following sources interact with the Listen objects within Pendo. These return a current snapshot of the objects named in the source. These sources do not provide historical or event data.

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

POST vocItems

⇧

https://app.pendo.io/api/v1/aggregation

The vocItems source is an object source containing "Listen objects" which includes both feedback items and ideas. Unless otherwise specified, the fields below apply to all Listen objects.

Response attributes	
id string	Unique identifier for the Listen object
statusId string	The current status of the Listen object
effort number	Numeric representation of effort (1-5). Available for ideas only.
impact number	Numeric representation of impact (1-5). Available for ideas only.
type string	The type of Listen object (feedback or idea)
accountId string	The account ID associated with the submission.
onBehalfOfId string	The id that the Listen object was created for. Defaults to createdByld if not supplied.
onBehalfOfType string	The type associated with the onBehalfOfld: 'Visitor', 'User' or 'IntegrationKey'.
ownedByUserId string	The internal Pendo user ID that owns the Listen object.

This request is using API Key from collection Pendo API

HEADERS

Content-Type application/json

x-pendo-integration-key <PENDO_INTEGRATION_KEY>

POST votes



https://app.pendo.io/api/v1/aggregation

The votes source is an object source containing votes submitted against Listen objects.

Response attributes	
id string	Unique identifier for the vote.
vocItemId string	The ID of the idea associated with the vote.
accountId string	The account ID associated with the vote.
onBehalfOfId string	The id that the vote was created for. Defaults to createdByld if not supplied.
onBehalfOfType string	The type associated with the onBehalfOfld: 'Visitor', 'User' or 'IntegrationKey'.
createdById string	The visitor ID that created the vote.
createdByType string	The type associated with the createdByld: 'Visitor', 'User' or 'IntegrationKey'.
strength number	A numeric representation of the vote.
revoked boolean	Returns true if the vote has been removed.

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

x-pendo-integration-key

<PENDO_INTEGRATION_KEY>

Body raw

Expressions

A number of pipeline operators support expressions. Expression operators follow basic C expression syntax. All numeric values are converted to floats for computational purposes, and C order of operation is used. Parentheses may be used for grouping expressions.

Basic operators

Operator	Symbol	Applies to
Equals	==	ints, floats, strings, bools, lists
Not Equals	!=	ints, floats, strings, bools
Less	<	ints, floats, strings
Less-than-or-Equal	<=	ints, floats, strings
Greater	>	ints, floats, strings
Greater-than-or-Equal	>=	ints, floats, strings
And	&&	ints, floats, bools
Or		ints, floats, bools
Not	!	bools
Plus	+	ints, floats
Minus	-	ints, floats
Multiply	*	ints, floats
Divide		ints, floats
Modulus	%	ints. floats

Special case: null values

- \bullet For the [] and && operators, [null] is treated equivalently to [false]
 - e.g. (true && null) == false
- For the == and != operators, null is treated as a distinct value
 - e.g. null == null , but null != false
- Any other operator returns [null] if one input is [null]
 - e.g. 1 + null == null

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

POST General expressions

 \oplus

https://app.pendo.io/api/v1/aggregation

*Examples provided at right use the eval operator to demonstrate use as well as show a comparison of input and output values.

Function	Description
<pre>if(expression, ifTrue, ifFalse)</pre>	Returns the ifTrue value if expression is true; if it evaluates to false, ifFalse is returned if present, otherwise nil
isBoolean(operand)	Returns true if the operand has type bool, otherwise false
isNumber(operand)	Returns true if the operand has type int or float, otherwise false
isString(operand)	Returns true if the operand has type string, otherwise false
isList(operand)	Returns true if the operand has type list, otherwise false
isNil(operand)	Returns true if the operand is null, otherwise false
isNull(fieldName)	Returns true if the fieldName exists in the row and is not null, otherwise false
isEmpty(fieldName)	Returns: - true if value is empty, otherwise false true if value == nil - true if value is an empty string ("")

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

POST String manipulation

 \odot

https://app.pendo.io/api/v1/aggregation

Function	Description
contains(haystack, needle)	Returns (true) if needle is a substring in the haystack
split(myString, separator)	Splits myString into a list of strings using string separator as the field separator
startsWith(haystack, needle)	Returns true if haystack begins with needle
toLowerCase(myString)	Returns [myString] with all characters lowercase
toString(myNumber)	Converts myNumber to a string. If provided a string, it

This request is using API Key from collection Pendo API

POST List manipulation

⊕

https://app.pendo.io/api/v1/aggregation

When working with lists, all list elements must be of the same type. You can nest expressions into lists as long as they evaluate to the same data type, e.g. [1,1+2,sum(a)].

Function	Description
contains(myList, item)	Returns true if item is in the specified list. No partial matches.
len(myList)	Returns the length of the specified list
<pre>list(field1, field2, fieldN)</pre>	Returns a list containing the named fields
listInRange(myList, minValue, maxValue)	Returns a list containing the elements in myList which are between minValue and maxValue (inclusive). For numeric lists only.
reverse(myList)	Returns myList in reversed order
sortUnique(myList)	Sorts and removes duplicate elements from myList
sum(myList)	Returns the sum of the items in <code>myList</code> , ignoring non-numeric elements
myList[index]	Returns the value at the specified index in myList. Negative indices can be used to look up items from the end.
<pre>myList[start:end]</pre>	Creates a sublist beginning at index start and ending with index end

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

POST Date manipulation



Function	Description
now()	Returns the current moment (server-side) in milliseconds after the epoch.
date(dateString)	Returns the date in milliseconds after the epoch. dateString must be formatted in one of the following ISO-8601 formats in the subscription timezone: - 2006 - 2006-01 - 2006-01-02 - 2006-01-02T15:04 - 2006-01-02T15:04:05 - 2006-01-02T15:04:05.999
<pre>date(year, mon, day, hour, min, sec, nanosec)</pre>	Returns the date in milliseconds after the epoch. Any number of trailing date components may be omitted, defaulting to their minimum.
<pre>startOfPeriod(period, timestamp)</pre>	Rounds timestamp to the beginning of the period containing it. period is a string of one of the following values: - daily - weekly - monthly

This request is using API Key from collection Pendo API

POST Pendo-specific expressions

 \bigcirc

https://app.pendo.io/api/v1/aggregation

Function	Description
<pre>identified(visitorId)</pre>	Returns true if the visitorId is identified.
childAccountId(accountId)	Applicable only to subscriptions with Parent Accounts enabled. Returns the child accountld for the specified accountId, or null if there is none.
parentAccountId(accountId)	Applicable only to subscriptions with Parent Accounts enabled. Returns the parent accountld for the specified accountId, or the accountId itself if there is no parent.

This request is using API Key from collection Pendo API

Operators

Operators transform incoming data from the sources into new data. Operators consume the rows passed in and produce new rows by modifying the data itself, dropping rows, combining rows, or splitting rows, depending on the kind of operator.

Because operators take the data passed from above, order matters. For example, if you use a limit operator before a filter operator, the rows returned by the limit may not include the item you're filtering on even if that object does exist in the original source.

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

POST Basic operators

₾

https://app.pendo.io/api/v1/aggregation

Below are some of the more basic operators used with Pendo aggregations. Examples of each can be found in the Example Request dropdown. Many of these are similar to common SQL operators.

I imit

The <u>limit</u> operator accepts an integer parameter that specifies how many rows will be returned. Limit is a best practice for testing aggregations. To see what fields in the schema exist, limit to 1 row.

```
json
{
    "limit": X
}
```

Filter

The filter operator evaluates an expression and returns only the rows that evaluate true. Please see the Expressions section for available options.

```
json
{
    "filter": "<expression>"
}
```

Select

The select operator allows you to only keep certain fields from the output row and rename them if you wish. The fieldName is what the new field will be called, and the expression is the data field which you want to select.

```
json

{
    "select": {
        "outputFieldName": "inputFieldName"
    }
}
```

Sort

The sort operator sorts the rows by the specified field list. The order specifies what field it sorts on first, second, etc. in priority order. Prepend a - to the front of a field name to reverse sort by that field.

```
json
{
    "sort": ["fieldName"]
}
```

Count

The count operator counts the number of rows passed in. It only takes null as a parameter.

```
json
{
    "count": null
}
```

Reduce

The reduce operator collects all rows, then reduces them to a single row with aggregators. For a list of aggregators, refer to the Field Aggregators section below.

```
json

{
    "reduce": {
        "outputFieldName": {
             "aggregator": "inputFieldName"
        }
    }
}
```

Group

The group operator organizes rows into groups, then combines each group into one row. Each unique combination of values for these fields defines a group.

The <code>group</code> operator supports flexible grouping (similar to GROUP BY in SQL) and simple aggregations of fields. It supports the following parameters:

Parameter	
group	List of fields whose unique combination of values will be returned
fields	An object containing the fields to aggregate across the group

```
}
}
```

Eval

Eval can add or replace one or more fields in your output. Within eval, you can do calculations and use expressions and field aggregators to modify or replace the rows.

The execution order of the expressions within a single eval is undefined. If you wish to evaluate expressions dependent on a previously-evaluated field, put it in a separate eval.

Some fields such as day are read-only. Using eval and setting the output field to the same fieldName produces an error. To resolve this, name the output field to something other than the read-only field name.

```
json

{
    "reduce": {
        "outputFieldName": {
             "aggregator": "inputFieldName"
        }
    }
}
```

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

POST Pendo-specific operators

 Θ

https://app.pendo.io/api/v1/aggregation

Below are operators specific to certain objects within Pendo. Examples of each can be found in the Example Request dropdown.

Identified

Identified is a special case of the filter operator that returns only rows for identified visitors. If you have enabled the capture of anonymous visitor traffic, you can also invert the identified operator with an ! to get only anonymous visitors.

```
json
{
    "identified": "visitorId
}
```

BulkExpand

The bulkExpand operator is used to add visitor and account metadata to your result by performing a lookup on the visitorId or accountId.

```
json

{
    "bulkExpand": {
        "outputField": {
            "visitor": "visitorId"
        }
    }
}
```

Expand

The expand operator is used to add page, feature, or trackType metadata to your result by performing a lookup on that object's ID.

ItemSeen

The <u>itemSeen</u> operator is used to add information about a visitor's interactions with Pages, Features, or trackTypes. It will return the last time the object was used by the visitor and the count of interactions.

Segment

Segment is another special case of the filter operator and only returns rows that match the specified segment. A row is passed if the accountld and visitorld in the input row match an item in the segment. Some segments may specify only visitors or accounts; in those cases the segment operator only matches against the appropriate field from the input row.

The segmentId is found at the end of the URL when viewing details for a specific segment within the app.

```
json

{
    "segment": {
        "id": "segmentId"
     }
}
```

Useragent

The useragent operator parses the userAgent provided in the input field and outputs a new key object with the parsed user agent data.

```
json

{
    "useragent": {
        "outputField": "userAgent"
    }
}
```

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

POST Advanced operators



https://app.pendo.io/api/v1/aggregation

Advanced operators are written syntactically the same as basic operators, but do more complex calculations or open more sources and combine them in different ways. These operators may impact the performance of your aggregations if used improperly or to request too much information.

Find examples of each operator in the Example Request dropdown.

Unwind

The unwind operator expands a list of items into separate rows. All other items are preserved and an index may optionally be added. If the list to unwind is empty then no rows are emitted unless [{"keepEmpty" : true}] is specified, in which case the original row is preserved.

Parameters	
field	the name of the input field to unwind
index	Sets an index to the named field. (optional)
keepEmpty	Set to true to retain rows where the input field is empty (optional)
prefix	Set to true to return a running list (optional)

```
json

{
    "unwind": {
        "field": "inputFieldName",
        "keepEmpty": true,
        "index": "indexFieldName"
    }
}
```

Switch

The switch operation allows a field to checked against any number of conditions, and have a new field set based on which condition it matches.

For each row the inputField will be checked to see which set of conditions its value matches.

It must match all of the conditions for outputField to be set to the value indicated. If no conditions match, or if inputField is not set at all, the row is skipped.

Fork

The fork operator allows data to be sent into multiple pipelines, with each of the child pipelines receiving all of the rows for that step and performing different operations on them. The same row is sent to all of the child pipelines; it is not a

copy of the row. Any changes to the row made in one pipeline is visible in all pipelines.

Forks are often combined with the join operator below

Spawn

The spawn operator runs multiple pipelines, each producing a set of rows, and combines the results into a single set of rows with no particular ordering to be processed by the remainder of the main pipeline. Each spawn "inner pipeline" must have its own source.

Spawns are often combined with the join operator below.

Join

The join operator merges multiple rows together based on a list of one or more keys.

The optional width argument allows the user to define how many rows are expected to make up the final result. Once that many rows with the same join key have been seen, the merged row is passed to the next operation in the pipeline. If more rows are later seen with that join key, they are treated as a new join operation.

```
json
{
    "join": {
        "fields": [
```

```
"fieldToJoinOn1",
    "fieldToJoinOn2"
],
    "width": 3
}
```

Merge

The merge operator runs a second aggregation pipeline and joins these new rows to the main pipeline based on defined fields to match on and a list of mappings to determine what data to merge.

Parameters	
fields	A list of fields to use to match rows between the two pipelines
mappings	An object containing the data from the inner pipeline to merge to the main pipeline
pipeline	The second aggregation to merge into the main pipeline

Considerations with Merge

If there are duplicate/non-unique keys in the main pipeline with a match in the merged pipeline, all rows receive the data from the merged pipeline.

If there are duplicate/non-unique keys in the merge pipeline, there are no guarantees which merge row's data will be matched and returned. This undefined behavior can be avoided by ensuring that the merge pipeline produces rows with unique keys, e.g. by utilizing the group operator.

If | mappings | is given an empty object (e.g. "mappings": {}), no fields from the merge pipeline are copied over.

However, if the mappings field is omitted entirely (e.g. "merge": { "fields": [], "pipeline": [] }), all fields from the merge pipeline are copied over using their names from the merge pipeline.

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

Field aggregators

The following aggregators are commonly used in group and reduce operators.

Aggregator	Description
avg	Returns the average of the values in the specified field or expression
count	With null, count returns the number of output rows. With a specified field, count returns the unique values of that field
countIf	Countlf extends count to count certain fields only if they fit a certain filter expression in the "if"
first	Returns the first non-null value for the specified field
list	Returns a list of all values from the specified field
median	Returns the median of the values from the specified field
max	Returns the maximum value of the specified field
mean	Returns the mean of the values from the specified field
min	Returns the minimum value of the specified field
sum	Returns the sum of the values from the specified field

This folder is using API Key from collection Pendo API

PES

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

POST PES

₼

https://app.pendo.io/api/v1/aggregation

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

```
json
Ę
    "response": {
        "mimeType": "application/json"
    },
    "request": {
        "name": "PES",
        "pipeline": [
            -{
                "pes": {
                    "appId": {{appId}},
                    "account": "{{accountId}}}",
                    "firstDay": "date(\"2022-04-01\")",
                    "lastDay": "date(\"2022-04-30\")",
                    "groupBy": "account",
                    "identified": "visitorId",
                    "blacklist": "apply",
                    "segment": {
                        "id": "{{segmentId}}"
                    },
                    "config": {
                        "stickiness": {
                             "userBase": "visitors",
                             "numerator": "daily",
                             "denominator": "monthly",
                             "excludeWeekends": true
                        3,
                         "adoption": {
                             "userBase": "visitors",
                             "productAreaIds": [
                                 "{{productAreaId}}"
                             ],
                             "events": [
                                 {
                                     "kind": "feature",
                                     "id": "{{featureId}}"
                                 ζ,
                                 {
                                     "kind": "trackEvent",
                                     "id": "{{trackEventId}}"
                                 ζ,
                                 {
                                     "kind": "page",
                                     "id": "{{pageId}}}"
                                 3
                             ]
                        },
                         "growth": {
                             "userBase": "visitors"
                    3
                Z
```

```
}
}
```

POST PES Minimal



https://app.pendo.io/api/v1/aggregation

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

Body raw (json)

```
json
{
    "response": {
        "mimeType": "application/json"
    "request": {
        "name": "PES",
        "pipeline": [
            £
                "pes": {
                     "appId": {{appId}},
                     "firstDay": "now()",
                     "dayCount": -30
                3
            }
        ]
    3
3
```

POST Adoption



https://app.pendo.io/api/v1/aggregation

AUTHORIZATION API Key

```
json
{
    "response": {
        "mimeType": "application/json"
    ζ,
    "request": {
        "name": "Adoption",
        "pipeline": [
            Z
                "adoption": {
                    "appId": {{appId}},
                    "account": "{{accountId}}}",
                    "firstDay": "date(\"2022-04-01\")",
                    "lastDay": "date(\"2022-04-30\")",
                    "groupBy": "account",
                    "identified": "visitorId",
                    "blacklist": "apply",
                    "segment": {
                         "id": "{{segmentId}}"
                    },
                    "config": {
                         "userBase": "visitors",
                         "productAreaIds": [
                            "{{productAreaId}}"
                        ],
                         "events": [
                             £
                                 "kind": "feature",
                                 "id": "{{featureId}}"
                             ζ,
                                 "kind": "trackEvent",
                                 "id": "{{trackEventId}}"
                             ζ,
                                 "kind": "page",
                                 "id": "{{pageId}}}"
                             3
                        ]
                    3
                3
            3
        ]
    3
3
```

This request is using API Key from collection Pendo API

Body raw (json)

```
json
{
    "response": {
        "mimeType": "application/json"
    ζ,
    "request": {
        "name": "Adoption",
        "pipeline": [
            {
                 "adoption": {
                     "appId": {{appId}},
                     "firstDay": "now()",
                     "dayCount": -30
                3
            3
        ]
    3
3
```

POST Growth

æ

https://app.pendo.io/api/v1/aggregation

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

```
json
{
    "response": {
        "mimeType": "application/json"
     },
```

```
"request": {
        "name": "Growth",
        "pipeline": [
            £
                "growth": {
                    "appId": {{appId}},
                    "account": "{{accountId}}}",
                    "firstDay": "date(\"2022-04-01\")",
                    "lastDay": "date(\"2022-04-30\")",
                    "groupBy": "account",
                    "identified": "visitorId",
                    "blacklist": "apply",
                    "segment": {
                         "id": "{{segmentId}}"
                    },
                    "config": {
                        "userBase": "visitors"
                    3
                3
            3
        ]
   3
3
```

POST Growth Minimal

⊕

https://app.pendo.io/api/v1/aggregation

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

```
}
}
}
```

POST Stickiness

 \Box

https://app.pendo.io/api/v1/aggregation

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

```
json
{
    "response": {
        "mimeType": "application/json"
    "request": {
        "name": "Stickiness",
        "pipeline": [
            £
                "stickiness": {
                    "appId": {{appId}},
                    "account": "{{accountId}}",
                    "firstDay": "date(\"2022-04-01\")",
                    "lastDay": "date(\"2022-04-30\")",
                    "groupBy": "account",
                    "identified": "visitorId",
                    "blacklist": "apply",
                    "segment": {
                        "id": "{{segmentId}}"
                    ζ,
                    "config": {
                        "userBase": "visitors",
                        "numerator": "daily",
                         "denominator": "monthly",
                         "excludeWeekends": true
                    3
                3
            }
        ]
   3
3
```

POST Stickiness Minimal

 Θ

https://app.pendo.io/api/v1/aggregation

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

Body raw (json)

```
json
    "response": {
        "mimeType": "application/json"
    3,
    "request": {
        "name": "Stickiness",
        "pipeline": [
            £
                "stickiness": {
                     "appId": {{appId}},
                     "firstDay": "now()",
                     "dayCount": -30
                3
            3
        ]
    3
3
```

Common aggregations

AUTHORIZATION API Key

This folder is using API Key from collection Pendo API

POST visitors by segmentId



This request is using API Key from collection Pendo API

HEADERS

X-Pendo-Integration-Key <PENDO_INTEGRATION_KEY>

Content-Type application/json

```
{
    "response": {
        "mimeType": "application/json"
    ζ,
    "request": {
        "pipeline": [
            {
                 "source": {
                     "visitors": null
                 3
            ξ,
            { // include the identified operator to only return identified visitors
                "identified": "visitorId"
            ζ,
            { // include the eval, unwind, and bulkExpand if your segment contains both visitor
                 "eval": {
                     "accountId": "metadata.auto.accountids"
                 3
            ζ,
            {
                 "unwind": {
                     "field": "accountId",
                     "keepEmpty": true
                 3
            ζ,
                 "bulkExpand": {
                     "account": {
                         "account": "accountId"
                 3
            3,
                 "segment": {
                     "id": "INSERT SEGMENT ID HERE"
            ζ,
                 "select": {
                     0.002\pm2.002\pm0.0000 = 0.002\pm2.002\pm0.0000
```

```
"Visitoria": "Visitoria",

"accountId": "accountId"

}

}

}
```

POST Active visitors per hour

⊕

https://app.pendo.io/api/v1/aggregation

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

X-Pendo-Integration-Key <PENDO_INTEGRATION_KEY>

Content-Type application/json

```
{
    "response": {
         "mimeType": "application/json"
    ζ,
    "request": {
         "pipeline": [
             £
                  "source": {
                       "events": null,
                       "timeSeries": { // adjust as needed but period must remain as hourRange
                           "period": "hourRange",
                           "first": "now()",
                           "count": -24
                       3
                  3
             3,
                  "group": {
                       "group": [
                           "hour"
                       ],
                       "fields": {
                           |\Pi\rangle_{\omega}(\omega) , and \Pi .
```

POST events by visitor

 \bigcirc

https://app.pendo.io/api/v1/aggregation

Find the following examples in the Example Request dropdown:

- Number of visitors with events
- Number of events for a specific visitor
- Total events grouped by visitor
- Average time per day for a specific visitor
- · Average time per day grouped by visitor
- Top 10 visitors by number of active days
- Top 10 visitors by time on site

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

X-Pendo-Integration-Key <PENDO_INTEGRATION_KEY>

Content-Type application/json

```
{
    "response": {
```

```
"mimeType": "application/json"
    ζ,
    "request": {
        "name": "Number of events associated with visitor X",
        "pipeline": [
            {
                "source": {
                    "events": null,
                    "timeSeries": {
                        "period": "dayRange",
                        "first": "now()",
                        "count": 1
                    3
                3
            ζ,
            { // use identified to return only identified visitors
                "identified": "visitorId"
            ζ,
            { // use filter if you want to look at a specific visitor
                "filter": "visitorId == `exampleVisitor`"
            ζ,
            { // use reduce to find a sum of all the events
                "reduce": [
                    Ę
                         "totalEvents": {
                             "sum": "numEvents"
                    3
                ]
            }
        ]
    3
3
```

POST events by account

⇧

https://app.pendo.io/api/v1/aggregation

Find the following examples in the Example Request dropdown:

- Number of accounts with events
- Number of events for a specific account
- Number of events grouped by account
- Top 10 accounts by number of active days
- Top 10 accounts by time on site
- Time on app for a specific account
- Time on app grouped by account

AUTHORIZATION API Key

HEADERS

X-Pendo-Integration-Key <PENDO_INTEGRATION_KEY>

Content-Type application/json

```
{
    "response": {
        "mimeType": "application/json"
    "request": {
        "name": "Number of events associated with accountId X",
        "pipeline": [
            £
                "source": {
                     "events": null,
                     "timeSeries": {
                         "period": "dayRange",
                         "first": "now()",
                         "count": 1
                3
            \{\ //\ \text{use identified to return only identified visitors}\ 
                "identified": "visitorId"
            ζ,
            { // use filter if you want to look at a specific account
                "filter": "accountId == `exampleAccount`"
            { // use reduce to find a sum of all the events
                "reduce": [
                     £
                         "totalEvents": {
                             "sum": "numEvents"
                     3
                ]
            }
        ]
    3
3
```

Find the following examples in the Example Request dropdown:

- · Usage by browser
- · Usage by device
- Usage by OS
- Web vs Mobile Usage

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

X-Pendo-Integration-Key <PENDO_INTEGRATION_KEY>

Content-Type application/json

```
{
    "response": {
        "mimeType": "application/json"
    ζ,
    "request": {
        "name": "Usage by browser",
        "pipeline": [
            £
                "source": {
                    "events": null,
                    "timeSeries": { // change the timeframe as needed
                        "period": "dayRange",
                        "first": "now()",
                        "count": -30
                    3
                3
            ζ,
            { // use identified to return only identified visitors
                "identified": "visitorId"
            ζ,
            { // these are the only two data points we need for our output,
              // so select is used here to trim the amount of information
              // being passed into the rest of the pipeline
                "select": {
                    "userAgent": "userAgent",
                    "visitorId": "visitorId"
```

```
3
            ζ,
            \{\ //\ {\hbox{this parses the userAgent data into its individual data points}}
                 "useragent": {
                     "userAgent": "userAgent"
                 3
            3,
            { // use select again to pare down the amount of data to process
                 "select": {
                     "name": "if(userAgent.name==\"\",\"unknown\",userAgent.name)",
                     "version": "userAgent.version",
                     "visitorId": "visitorId"
                 3
            ζ,
            { // use group to get the count of visitors for each unique combination of browser
                 "group": {
                     "group": [
                         "name",
                         "version"
                     ],
                     "fields": [
                         {
                             "count": {
                                  "count": "visitorId"
                             3
                         3
                     ]
                 3
            ζ,
            {
                 "sort": [
                     "-count"
            3
        ]
    3
3
```

POST pageEvents with parameters

 Θ

https://app.pendo.io/api/v1/aggregation

Find the following examples in the Example Request dropdown:

- Return all pageEvents with parameters
- Unique parameters for page X
- · Search by page parameter

AUTHORIZATION API Key

HEADERS

X-Pendo-Integration-Key <PENDO_INTEGRATION_KEY>

Content-Type application/json

Body raw

```
{
    "response": {
        "mimeType": "application/json"
    ζ,
    "request": {
        "name": "Return all pageEvents with parameters",
        "pipeline": [
            Z
                "source": {
                    "pageEvents": null,
                    "timeSeries": {
                        "period": "dayRange",
                        "first": "now()",
                        "count": -1
                    3
                3
            ζ,
            { // use identified to return only identified visitors
                "identified": "visitorId"
            { // use filter to return only results with a parameter
                "filter": "!isNull(parameters.parameter) && parameters.parameter != \"\""
            3
        ]
    3
3
```

POST guideEvents and guide categories

a

https://app.pendo.io/api/v1/aggregation

Find the following examples in the Example Request dropdown:

- Add guide category to guideEvents
- · Return count of guide events by category

This request is using API Key from collection Pendo API

HEADERS

X-Pendo-Integration-Key <PENDO_INTEGRATION_KEY>

Content-Type application/json

```
"response": {
    "mimeType": "application/json"
ζ,
"request": {
    "name": "Add guide categories to guideEvents",
    "pipeline": [
       {
            "source": {
                "guideEvents": null,
                "timeSeries": {
                    "period": "dayRange",
                    "first": "now()",
                    "count": -30
                3
            3
        ζ,
        {
            "merge": {
                "fields": [ // this is the field that will match between the main and merge
                    "guideId"
                "mappings": { // select which fields you want from the merged pipeline
                    "guideCategory": "guideCategory"
                ζ,
                "pipeline": [
                    { // query the groups source for guide categories
                        "source": {
                            "groups": {
                                "groupType": "guideCategory",
                                "items": true
                            3
                        3
                    ζ,
                    { // guides for each category are held in a list called items
                        "unwind": {
                            "field": "items"
                    ζ,
```

POST Guide elements metrics

 \Box

https://app.pendo.io/api/v1/aggregation

You can easily see metrics for Guide elements via the UI in Pendo as described here. To receive comparable information via the API, look for guideEvents with "type": "guideActivity".

Find the following examples in the Example Request dropdown:

- Guide elements (relevant fields)
- · Guide elements metrics

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

X-Pendo-Integration-Key <PENDO_INTEGRATION_KEY>

Content-Type application/json

```
"source": {
                    "guideEvents": null,
                    "timeSeries": {
                        "period": "dayRange",
                        "first": "now()",
                        "count": -7
                    3
                3
            { // this type contains all guide interactions
                "filter": "type == `guideActivity`"
            ζ,
            { // these are the relevant fields for activity
              // see other example for rolled-up metrics
                "select": {
                    "visitorId": "visitorId",
                    "guideId": "guideId",
                    "uiElementId": "uiElementId",
                    "uiElementType": "uiElementType",
                    "uiElementText": "uiElementText",
                    "uiElementActions": "uiElementActions",
                    "browserTime": "browserTime"
                3
            3
        ]
    3
3
```

POST Guide goals

 \Box

https://app.pendo.io/api/v1/aggregation

You can easily see metrics for Guide Goals via the UI in Pendo as described here. To receive comparable information via the API, use one of the examples below.

Find the following examples in the Example Request dropdown:

- Guide goals track event conversion
- Guide goals page conversion
- Guide goals feature conversion

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

Body raw

```
{
    "response": {
        "mimeType": "application/json"
    ζ,
    "request": {
        "name": "Return number of guide goal conversions",
        "pipeline": [
            Z
                "source": { // focus on a single guide (and optionally step)
                    "guideEvents": {
                        "guideId": "insertGuideId",
                        "guideStepId": "insertStepId"
                    },
                    "timeSeries": {
                        "period": "dayRange",
                        "first": "date(2024,1,1)",
                        "last": "now()"
                3
            ζ,
                "filter": "type == \"guideSeen\""
            { // use itemSeen to find object usages (page, feature, or track)
                "itemSeen": {
                    "itemSeenInfo": { // uncomment below depending on the type of object
                        // "trackTypeId": "xxxxxxx"
                        // "pageId": "xxxxx"
                        // "featureId": "xxxxx
                    3
                3
            { // filter only to those who used the page/feature/track event AFTER the guide was
                "filter": "itemSeenInfo.lastUsed >= browserTime"
            ζ,
            { // return a count
                "reduce": {
                    "converted": {
                        "count": "visitorId"
                    3
                3
            }
   3
3
```

^

POST NPS

https://app.pendo.io/api/v1/aggregation

Find the following examples in the Example Request dropdown:

- NPS score last 30 days
- NPS score by account
- NPS score and follow-up responses
- All-time NPS scores by guide

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

X-Pendo-Integration-Key <PENDO_INTEGRATION_KEY>

Content-Type application/json

```
{
    "response": {
        "mimeType": "application/json"
    "request": {
        "name": "nps-metadata-table",
        "pipeline": [
            {
                 "source": {
                    "pollsSeen": {
                         "guideId": "{guideId}",
                         "pollId": "{pollId}"
                    3,
                    "timeSeries": {
                         "period": "dayRange",
                         "first": "now()",
                         "count": -30
                    3
                3
            ζ,
            £
                "identified": "visitorId"
            ζ,
```

```
Ę
    "eval": {
        "responseDay": "startOfPeriod(\"dayRange\", time)"
    3
3,
    "bulkExpand": {
        "account": {
            "account": "accountId"
    3
ζ,
    "eval": {
        "metadataField": "account.auto.id"
ζ,
£
    "filter": "!isNil(metadataField) && metadataField != \"\""
ζ,
{
    "eval": {
        "isPromoter": "if(response >= 9, 1, 0)",
        "isDetractor": "if(response < 7, 1, 0)",</pre>
        "isPassive": "if(response >= 7 && response < 9, 1, 0)"</pre>
    3
3,
Ę
    "group": {
        "group": [
            "metadataField"
        ],
        "fields": [
            £
                 "numPromoters": {
                     "sum": "isPromoter"
                 3
            ζ,
            £
                 "numDetractors": {
                     "sum": "isDetractor"
                 3
            3,
            {
                 "numPassives": {
                     "sum": "isPassive"
            ζ,
                 "numResponses": {
                     "count": null
                 3
            ζ,
            {
                 "summedResponses": {
                     "sum": "response"
                 3
```

```
3
                    ]
                3
            ζ,
            £
                "eval": {
                    "avgScore": "summedResponses/numResponses",
                    "npsScore": "(numPromoters/numResponses) - (numDetractors/numResponses)"
                3
            ζ,
            Z
                "sort": [
                    "-numResponses"
            3
        ],
        "requestId": "nps-metadata-table"
    3
3
```

POST Add product area to responses

ð

https://app.pendo.io/api/v1/aggregation

AUTHORIZATION API Key

This request is using API Key from collection Pendo API

HEADERS

X-Pendo-Integration-Key <PENDO_INTEGRATION_KEY>

Content-Type application/json

```
ځ
            ζ,
            { // make the ID field explicit in what it references
                 "eval": {
                     "pageId": "id"
                3
            3,
            {
                 "merge": {
                     "fields": [ // this is the field that will match between the main and merge
                     ],
                     "mappings": { // select which fields you want from the merged pipeline
                         "productArea": "productArea"
                     ζ,
                     "pipeline": [
                         {
                             "source": {
                                 "groups": {
                                     "groupType": "group",
                                     "items": true
                                 3
                             3
                         ζ,
                         {
                             "unwind": {
                                 "field": "items"
                             3
                         ζ,
                         { // we are only concerned with page objects
                             "filter": "items.itemType == `Page`"
                         \{\ //\ 	ext{as we've filtered by Page, we call the itemID as pageId to match 1}
                             "select": {
                                 "productArea": "name",
                                 "pageId": "items.itemId"
                             3
                         3
                     ]
                3
            3,
                 "select": {
                     "pageId": "pageId",
                     "pageName": "name",
                     "productArea": "productArea",
                     "rules": "rules"
                3
            3
        ]
    3
3
```

This request is using API Key from collection Pendo API

HEADERS

X-Pendo-Integration-Key <PENDO_INTEGRATION_KEY>

Content-Type application/json

```
{
    "response": {
        "mimeType": "application/json"
    },
    "request": {
        "name": "Add application name to another source's output",
        "pipeline": [
            { // applicable to event sources and object sources with appId included
                "source": {
                    "featureEvents": {
                         "appId": "expandAppIds(\"*\")"
                    ζ,
                    "timeSeries": {
                        "count": -7,
                        "first": "now()",
                        "period": "dayRange"
                    3
                3
            ζ,
                "merge": {
                    "fields": [
                         "appId"
                    ],
                    "mappings": {
                         "appId": "id",
                        "appName": "name"
                    ζ,
                    "pipeline": [
                        {
                             "source": {
                                 "apps": null
                             3
                        3
                    1
```