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 - [2021-05-05](#)

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Introduction

Welcome to the Affinity API! This API provides a RESTful interface for performing operations on the different objects that make up Affinity. If you are trying to accomplish an action through this API and are not sure on what endpoints to use, or if you have ideas on more endpoints we could create to make your workflow easier, please do not hesitate to contact us at support@affinity.co.

Getting Started

Authentication

Authentication using HTTP basic auth.

```
curl "https://api.affinity.co/api_endpoint" -u :$APIKEY
```

To use the API, you will need to generate an API secret key. This can be done easily through the Settings Panel that is accessible through the left sidebar on the Affinity web app. For more support, visit the [How to obtain your API Key](#) article in our Help Center.

Requests are authenticated using HTTP Basic Auth. Provide your API key as the basic auth password. You do not need to provide a username.

Currently, we support one key per user on your team. Once you have generated a key, you will need to pass in the key with every API request for us to process it successfully. Otherwise, an error with a code of `401` will be returned.

**NOTE**

Changes made through the API will be attributed to the person the API key is assigned to.

Requests & Responses

This is a full-featured RESTful API. We provide reading & writing functionality for each object type in Affinity. All requests use the base URL of <https://api.affinity.co/>.

Responses to each request are provided as a JSON object. The response is either the data requested, or a valid error message and error code as outlined below.

Here is a list of all the error codes the Affinity API returns in case something does not go as expected:

Error Code	Meaning
401	Unauthorized -- Your API key is invalid.
403	Forbidden -- Insufficient rights to a resource.
404	Not Found -- Requested resource does not exist.
422	Unprocessable Entity -- Malformed parameters supplied. This can also happen in cases the parameters supplied logically cannot complete the request. In this case, an appropriate error message is delivered.
429	Too Many Requests -- You have exceed the rate limit.
500	Internal Server Error -- We had a problem with our server. Try again later.
503	Service Unavailable -- This shouldn't generally happen. Either a deploy is in process, or Affinity services are down.

**NOTE**

Requests must be sent over HTTPS. Requests sent over HTTP will not return any data in order to ensure your sensitive information remains secure.

Rate Limits

API Rate Limits

The Affinity API sets a limit on the number of calls that a user can make per minute, and that all the users on an account can make per month. It also sets a reasonable limit on the number of concurrent requests it will support from an account at one time.

Requests to both Affinity API versions will count toward the one pool of requests allowed for a user or account. Once a per-minute, monthly, or concurrent rate limit is hit, subsequent requests will return an error code of 429. We highly recommend designing your application to handle 429 errors.

MONTHLY LIMITS (ACCOUNT-LEVEL)

Your account plan tier will limit the overall number of requests you can make per month. Current rate limits by plan tier are:

Plan Tier	Calls per month
Essentials	None
Scale	100,000
Advanced	100,000
Enterprise	Unlimited*
Professional (Legacy)	None*
Premium (Legacy)	100,000
Enterprise (Legacy)	Unlimited*

**NOTE**

Per-minute and concurrent request limits still apply to Enterprise-tier customers.

**NOTE**

Professional tier customers who signed up for Affinity before July 5, 2023 are allotted 40,000 calls per month.

This monthly account-level limit resets at the end of each calendar month.

PER MINUTE LIMITS (USER-LEVEL)

All API requests will be halted at 900 per user, per minute. We may also lower this limit on a temporary basis to manage API availability.

NOTE

Once a rate limit is hit, all further requests will return an error code of 429.

CONCURRENT REQUEST LIMITS (ACCOUNT-LEVEL)

To protect our systems and manage availability across customers, we set a reasonable limit on concurrent requests at the account level. Customers should not expect to hit this limit unless they are hitting the API with heavy operations from many concurrent threads at once.

Webhook Subscription Limit

There is a limit of three webhook subscriptions per Affinity instance.

Rate Limit Headers

Each external API call will include headers with information about monthly and per-minute limits. This is a convenient way to retrieve your rate limits and usage without needing to hit the `/rate-limit` endpoint. Every API call will respond with the following headers:

Header	Description
X-Ratelimit-Limit-User	Number of requests allowed per minute for the user
X-Ratelimit-Limit-User-Remaining	Number of requests remaining for the user
X-Ratelimit-Limit-User-Reset	Time in seconds before the limit resets for the user
X-Ratelimit-Limit-Org	Number of requests allowed per month for the organization
X-Ratelimit-Limit-Org-Remaining	Number of requests remaining for the organization
X-Ratelimit-Limit-Org-Reset	Time in seconds before the limit resets for the organization

Data Model

Overview

The three top-level objects in Affinity are Persons, Organizations, and Opportunities, and everything in the product is centered around these three resources. We refer to a data model that is a person, organization, or opportunity as an Entity.

The data stored in Affinity can be easily understood as a spreadsheet, with many rows, columns and cells. For each part of a spreadsheet, there are directly equivalent data models in Affinity.

The List view in Affinity represents the spreadsheet itself. A List is a collection of many rows, and the Affinity equivalent of a row is a List Entry. Each column in a spreadsheet is represented by a "Field". There are three types of Fields in Affinity: Global Fields, List-specific Fields and Smart Fields.

The data in each cell is represented by a "Field Value". There are both regular Field Values and Smart Field Values.



Search organizations, people and lists



Organization List

Views ▾

Open Organizations ✕

In Queue ✕




Lost ✕



Open organizations

50 organizations



Name	Connections	Status
<input type="checkbox"/>  Company A company-a.com	Klay Needham & 40 more	New
<input type="checkbox"/>  Company B company-b.com	Kirstin Witt & 3 more	Contacted
<input type="checkbox"/>  Company C company-c.com	Chad Russo & 76 more	New

List Entry
Global Field
List-specific Field
Field Value
Smart Field Value

NOTE

When working with Affinity's API, it is important to understand the differences between how data is organized in the CRM versus the API.

Although Smart Fields show up as a column in the List, they do not exist in the API in the same way Global Fields and List-specific Fields ones do.

To retrieve Smart Field Values, see the Retrieving Field Values section.

Default Fields

By default, Affinity creates some fields for you automatically. Below are the fields created by type:

GLOBAL FIELDS

- Location
- Industry
- Job Titles
- LinkedIn URL
- Phone Number
- Connections
- Source of Introduction
- Lists
- Crunchbase Data
- Affinity Data
- Pitchbook Data

SMART FIELDS

- First Email
- Last Email
- First Event (First Meeting)
- Next Event (Next Meeting)
- Last Event (Last Meeting)
- Last Interaction
- Date Added

LIST-SPECIFIC FIELDS

- Status
- Owners
- Amount

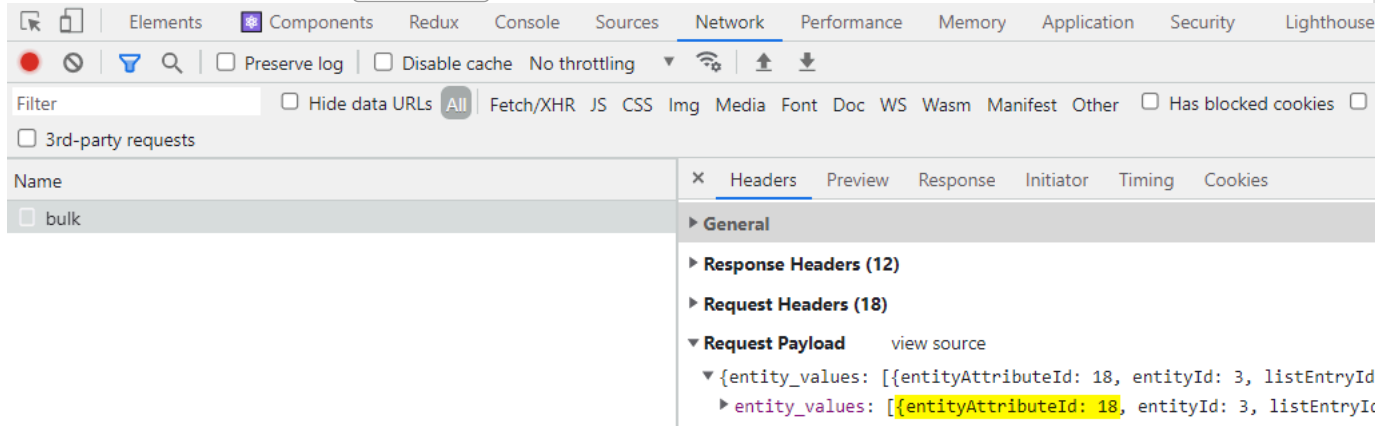
Common Use Cases

Use the common use cases below to learn how Affinity API endpoints work.



HELPFUL TIPS

- To reduce API calls, create any initial backfills with the REST API then use Webhooks to keep data synced. You may want to schedule occasional syncs via the REST API to fixed any inconsistencies
- Your instance may contain multiple fields with the same name (e.g. Last Funding Date). To confirm the field ID, manually make an edit to the field in question and inspect the request payload for the bulk request. The field ID will be listed as `entityAttributeId`



- The ID for a list, person, organization and opportunity can be found via the URL in the CRM. For a list [affinity.affinity.co/lists/{list_id}](#) and for a company profile [affinity.affinity.co/companies/{company_id}](#)
- For large lists, use `page_size` and `page_token` parameters in the `GET /lists/{list_id}/list-entries` endpoint to improve performance

Getting Field Values for All List Entries on a List

1. 1. QUERY `GET /LISTS` TO GET ALL LISTS AND FILTER RESULTS BY LIST NAME TO GET THE APPROPRIATE LIST ID

```
GET /lists Response:
[
  {
    "id": 12058,
    "type": 0,
    "name": "Current Prospects",
    "public": true,
    "owner_id": 477400,
    "list_size": 150
  }
  ...
]
```

2. 2. QUERY `GET /LISTS/12058/LIST-ENTRIES` TO GET ALL LIST ENTRIES. STORE THE `ENTITY_ID` ASSOCIATED WITH EACH LIST ENTRY ID

```
GET /lists/{list_id}/list-entries Response:
[
  {
    "id": 37605676,
    "list_id": 113859,
    "creator_id": 63842761,
    "entity_id": 7133202,
    "entity_type": 8,
    "created_at": "2021-09-12T16:29:15.962-07:00",
    "entity": {
      "id": 7133202,
      "name": "Affinity Opportunity"
    }
  }
  ...
]
```

3. 3. FOR EACH LIST ENTRY, QUERY `GET /FIELD-VALUES` WITH THE `ENTITY_ID` FROM THE PREVIOUS STEP. MAKE SURE YOU ARE PASSING `ENTITY_ID` THROUGH THE APPROPRIATE PARAMETER (E.G PERSON_ID)

```
GET /field-values Response:
[
  {
    "id": 2448594830,
    "field_id": 61223,
    "list_entry_id": 37605676,
    "entity_type": 0,
    "value_type": 3,
    "entity_id": 7133202,
  }
]
```

```

    "value": 5000.0
  }
  ...
]

```

4. 4. LOCATE FIELD VALUES FOR A GIVEN SET OF FIELDS (OPTIONAL)

1. Query `GET /fields` to get all fields. If the given set of fields are all list-specific, it is helpful to pass along the `list_id` parameter to prefilter the results
2. Filter results of `GET /fields` by field name to get the appropriate field ID
3. Cross-reference the `field_id` from Step 3 with the field ID

```

GET /fields Response:
[
  {
    "id": 61223,
    "name": "Amount",
    "list_id": 12058,
    "value_type": 3,
    "allows_multiple": false,
    "track_changes": true,
  }
  ...
]

```

Getting Field Value Changes for Status Fields

1. 1. QUERY `GET /LISTS` AND FILTER RESULTS TO GET THE APPROPRIATE LIST ID

```

GET /lists Response:
[
  {
    "id": 12058,
    "type": 0,
    "name": "Current Prospects",
    "public": true,
    "owner_id": 477400,
    "list_size": 150
  }
  ...
]

```

2. 2. LOCATE THE APPROPRIATE STATUS FIELD:

1. Query `GET /fields` to get all fields. If the given set of fields are all list-specific, it is helpful to pass along the `list_id` parameter to prefilter the results
2. Filter results of `GET /fields` by field name and cross-reference the `list_id` with the appropriate list ID from Step 1 to confirm you have the appropriate status field

```

GET /fields Response:
[
  {
    "id": 61223,
    "name": "Amount",
    "list_id": 12058,
    "value_type": 3,
    "allows_multiple": false,
    "track_changes": true,
  },
  ...
]

```

3. 3. QUERY `GET /FIELD-VALUES-CHANGES` PASSING IN THE `ID` FROM STEP 2

```

GET /field-values-changes Response:
[
  {
    "id": 7,
    "entity_attribute_id": 106,
    "changer": {
      "id": 2,
      "type": 1,
      "first_name": "Alice",
      "last_name": "Doe",
      "primary_email": "alice@affinity.co",
      "emails": [
        "alice@affinity.co"
      ]
    },
    "changed_at": "2021-09-17T10:43:12.781-04:00",
    "action_type": 2,
    "list_entry_id": 15709964,
    "person": {
      "id": 2,
      "type": 1,
      "first_name": "John",
      "last_name": "Doe",
      "primary_email": "jdoe@alumni.stanford.edu",
      "emails": [
        "jdoe@alumni.stanford.edu"
      ]
    },
    "company": null,
    "opp": null,
    "value": {
      "id": 30,
      "text": "In Progress",
      "rank": 1,
      "color": 3
    },
    "entity_id": 38706,
    "field_id": 61223
  }
]

```

```

    }
    ...
  ]

```

4. 4. FILTER RESULTS OF `GET /FIELD-VALUES-CHANGES` (E.G.: IF YOU ONLY WANT STATUS FIELD CHANGES FOR A SPECIFIC ORGANIZATION IN YOUR LIST, SEARCH BY THE `LIST_ENTRY_ID`).

```

GET /field-values-changes Response:
[
  {
    "id": 7,
    "entity_attribute_id": 106,
    "changer": {
      "id": 2,
      "type": 1,
      "first_name": "Alice",
      "last_name": "Doe",
      "primary_email": "alice@affinity.co",
      "emails": [
        "alice@affinity.co"
      ]
    },
    "changed_at": "2021-09-17T10:43:12.781-04:00",
    "action_type": 2,
    "list_entry_id": 15709964,
    "person": {
      "id": 2,
      "type": 1,
      "first_name": "John",
      "last_name": "Doe",
      "primary_email": "jdoe@alumni.stanford.edu",
      "emails": [
        "jdoe@alumni.stanford.edu"
      ]
    },
    "company": null,
    "opp": null,
    "value": {
      "id": 30,
      "text": "In Progress",
      "rank": 1,
      "color": 3
    },
    "entity_id": 38706,
    "field_id": 61223
  }
  ...
]

```

Getting the Strongest Relationship Strength Connection to an Organization on a List

1. 1. QUERY `GET /LISTS` TO GET ALL LISTS AND FILTER RESULTS TO GET THE APPROPRIATE LIST ID

```

GET /lists Response:
[
  {
    "id": 12058,
    "type": 0,
    "name": "Current Prospects",
    "public": true,
    "owner_id": 477400,
    "list_size": 150
  }
  ...
]

```

2. 2. QUERY `GET /LISTS/12058/LIST-ENTRIES` TO GET ALL LIST ENTRIES. STORE THE `ENTITY_ID` ASSOCIATED WITH EACH LIST ENTRY ID

```

GET /lists/{list_id}/list-entries Response:
[
  {
    "id": 37605676,
    "list_id": 12058,
    "creator_id": 63842761,
    "entity_id": 7133202,
    "entity_type": 8,
    "created_at": "2021-09-12T16:29:15.962-07:00",
    "entity": {
      "id": 7133202,
      "name": "Affinity",
      "domain": "affinity.co",
      "domains": [
        "affinity.co"
      ],
      "crunchbase_uuid": null,
      "global": false
    }
  }
  ...
]

```

3. 3. FOR EACH LIST ENTRY, QUERY `GET /ORGANIZATIONS/{ORGANIZATION_ID}` TO GET ALL LIST PEOPLE ASSOCIATED WITH THE ORGANIZATION. STORE THE `PERSON_IDS` ASSOCIATED WITH EACH ORGANIZATION

```

GET /organizations/7133202 Response:
{
  "id": 7133202,
  "name": "Affinity",
  "domain": "affinity.co",
  "domains": ["affinity.co"],

```

```
"crunchbase_uuid": null,
"global": false,
"person_ids": [89734, 117270, 138123, 274492, 304848, ...],
"list_entries": [
  {
    "id": 389,
    "list_id": 26,
    "creator_id": 38603,
    "entity_id": 7133202,
    "entity_type": 0,
    "created_at": "2020-12-11T02:26:56.537-08:00",
  }
  ...
]
```

4. 4. FOR EACH PERSON ID FROM STEP 3, QUERY (GET /RELATIONSHIPS-STRENGTHS) PASSING IN THE PERSON ID. ONCE ALL PERSON IDS HAVE BEEN LOOPED THROUGH, FILTER FOR THE HIGHEST (STRENGTH)

```
GET /relationships-strengths Response:
[
  {
    "internal_id": 26317,
    "external_id": 89734,
    "strength": 0.5
  }
  ...
]
```

Useful Resources

- Postman Collection (Right-click and save as JSON then import into Postman)
- Affinity Zapier Integrations
- Affinity Tray Connectors

Partner With Us

If you're a developer interested in building an integration with Affinity's relationship intelligence platform for your customers, please get in touch here.

Spacer

Lists

Lists are the primary data structure that you can interact with in Affinity. Each list manages a collection of either people, organizations or opportunities. We call people, organizations and opportunities "entities".

A list in Affinity is easily represented as a spreadsheet. The rows of the spreadsheet are the list entries, and each list entry corresponds to a single person in a list of people, an organization in a list of organizations or an opportunity in a list of opportunities.

Lists in Affinity can also have any number of custom attributes. These attributes allow you to fully customize your workflow and model the data for your use case. We call these attributes "fields", and each fields represents a column in the spreadsheet representation.

As a simple example: A list called "Important People" might have 25 people in it. Two of the columns in the sheet could be "Title" and "Industry".

This list would have 25 "list entries". Each list entry would be associated with a single person entity. Furthermore, the list would have two "fields" with the names "Title" and "Industry".

The List Resource

Example Response

```
{
  "id": 450,
  "type": 0,
  "name": "My List of People",
  "public": true,
  "owner_id": 38706,
  "creator_id": 38901,
  "list_size": 67,
  "additional_permissions": [
    {
      "internal_person_id": 38706,
      "role_id": 0
    }
  ]
}
```

Attribute	Type	Description
id	integer	The unique identifier of the list object.

Attribute	Type	Description
type	integer	The type of the entities (people, organizations, or opportunities) contained within the list. Each list only supports one entity type.
name	string	The title of the list that is displayed in Affinity.
public	boolean	When true, the list is publicly accessible to all users in your Affinity account. When false, the list is private to the list's owner and (explicitly set) additional users.
owner_id	integer	The unique ID of the internal person who owns the list. See here for permissions held by a list's owner.
creator_id	integer	The unique ID of the internal person who created the list. If the list was created via API, this is the internal person corresponding to the API key that was used.
list_size	integer	The number of list entries contained within the list.
additional_permissions	object[]	The list of additional internal persons with permissions on the list. Should be a list of objects with <code>internal_person_id</code> and <code>role_id</code> , where <code>role_id</code> comes from the list-level roles table below. See sample response to the right for expected shape.

LIST TYPES

List Type	Value	Description
person	0	Type specifying a list of people.
organization	1	Type specifying a list of organizations.
opportunity	8	Type specifying a list of opportunities.

LIST-LEVEL ROLES

Role IDs	Description
0	List-level "Admin" role
1	List-level "Basic" role
2	List-level "Standard" role

See here for details on the permissions held by these roles.

Get All Lists

Example Request

```
# Returns an array of all lists that you have access to.
curl "https://api.affinity.co/lists" -u :$APIKEY
```

Example Response

```
{
  {
    "id": 450,
    "type": 0,
    "name": "My List of People",
    "public": true,
    "owner_id": 38706,
    "list_size": 67
  },
  {
    "id": 383,
    "type": 1,
    "name": "My List of Organizations",
    "public": true,
    "owner_id": 38706,
    "list_size": 50
  },
  ...
}
```

`GET /lists`

Returns a collection of all the lists visible to you.

PARAMETERS

None

RETURNS

An array of all the list resources for lists visible to you. Each list resource in the array includes the `id`, `name`, and `type` (refer to the list resource above for further help).

Get a Specific List

Example Request

```
# Returns the list with the specified 'list_id'
curl "https://api.affinity.co/lists/450" -u :$APIKEY
```

Example Response

```
{
  "id": 450,
  "type": 0,
  "name": "My List of People",
  "public": true,
  "owner_id": 38706,
  "list_size": 67
  "fields": [
    {
      "id": 1625,
      "name": "Status",
      "value_type": 7,
      "allows_multiple": false,
      "dropdown_options": [
        {
          "id": 886,
          "text": "Interested",
          "rank": 1,
          "color": 0
        }
      ]
    },
    {
      "id": 1626,
      "name": "Owners",
      "value_type": 0,
      "allows_multiple": true,
      "dropdown_options": [],
    },
    ...
  ]
}
```

GET /lists/{list_id}

Gets the details for a specific list given the existing list id.

PATH PARAMETERS

Parameter	Type	Required	Description
list_id	integer	true	The unique ID of the list object to be retrieved.

RETURNS

The details of the list resource corresponding to the list ID specified in the path parameter. These details include an array of the fields that are specific to this list. An appropriate error is returned if an invalid list is supplied.

Create a New List

Example Request

```
curl -X POST "https://api.affinity.co/lists" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{ "name": "My List of Organizations", "type": 1, "is_public": true, "owner_id": 38706, "additional_permissions": [ {"internal_person_id": 38701, "role_id": 0}, {"internal_person_id": 38703, "role_id": 1}, {"internal_person_id": 38900, "role_id": 0}] }
```

Example Response

```
{
  "id": 383,
  "type": 1,
  "name": "My List of Organizations",
  "public": true,
  "owner_id": 38706,
  "creator_id": 38701,
  "list_size": 0,
  "additional_permissions": [
    {
      "internal_person_id": 38701,
      "role_id": 0
    },
    {
      "internal_person_id": 38703,
      "role_id": 1
    },
    {
      "internal_person_id": 38900,
      "role_id": 0
    }
  ]
}
```

POST /lists

Creates a new list with the supplied parameters.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
name	string	true	The title of the list that is displayed in Affinity.
type	integer	true	The type of the entities (people, organizations, or opportunities) contained within the list. Each list only supports one entity type.
is_public	boolean	true	Set to true to make the list publicly accessible to all users in your Affinity account. Set to false to make the list private to the list's owner and additional users.

Parameter	Type	Required	Description
owner_id	integer	false	The unique ID of the internal person who should own the list. Defaults to the owner of the API key being used. See here for permissions held by a list's owner.
additional_permissions	object[]	false	A list of additional internal persons and the permissions they should have on the list. Should be a list of objects with <code>internal_person_id</code> and <code>role_id</code> , where <code>role_id</code> comes from the list-level roles table above. See sample request to the right for expected shape.

RETURNS

The list resource that was just created through this request.

List Entries

The List Entry Resource

Example Response

```
{
  "id": 16367,
  "list_id": 450,
  "creator_id": 38706,
  "entity_id": 287125,
  "entity": {
    "type": 1,
    "first_name": "John",
    "last_name": "Doe",
    "primary_email": "jdoe@jdoe.com",
    "emails": ["jdoe@jdoe.com", "jdoe2@jdoe2.com"]
  },
  "created_at": "2017-01-16T16:34:03.539-08:00"
}
```

Each list comprises a number of entries. Each list entry has a creator, a list that it belongs to, and the underlying entity it represents depending on the type of the list (people, organizations or opportunities).

Operations like adding and removing entities from a list can be accomplished using the list entry abstraction.

Attribute	Type	Description
id	integer	The unique identifier of the list entry object.
list_id	integer	The unique identifier of the list on which the list entry resides.
creator_id	integer	The unique identifier of the user who created the list entry. If you create a list entry through the API, the user corresponding to the API token will be the creator by default.
entity_id	integer	The unique identifier of the entity corresponding to the list entry.
entity	object	Object containing entity-specific details like name, email address, domain etc. for the entity corresponding to <code>entity_id</code> .
created_at	datetime	The time when the list entry was created.

NOTE

Although list entries correspond to rows in an Affinity spreadsheet, the values associated with the entity are not stored inside the list entry resource. If you are trying to update, create, or delete a value in one of the custom columns for this list entry, please refer to the Field Values section. The list entry API is only used for getting, adding, or removing entities from a list. It does not handle updating individual cells in columns.

Get All List Entries

Example Request

```
curl "https://api.affinity.co/lists/450/list-entries" -u :$APIKEY
```

Example Response

```
{
  {
    "id": 64608,
    "list_id": 450,
    "creator_id": 287043,
    "entity_id": 62034,
    "created_at": "2017-05-04T10:44:31.525-08:00",
    "entity": {
      "type": 0,
      "first_name": "Affinity",
      "last_name": "Team",
      "primary_email": "team@affinity.co",
      "emails": [
        "team@affinity.co"
      ],
    },
  },
}
```

```
{
  "id": 53510,
  "list_id": 450,
  "creator_id": 38596,
  "entity_id": 241576,
  "created_at": "2017-02-22T15:22:21.125-08:00",
  "entity": {
    "type": 0,
    "first_name": "John",
    "last_name": "Doe",
    "primary_email": "jdoe@stanford.edu",
    "emails": [
      "jdoe@stanford.edu"
    ],
  },
},
...
]
```

Example Response with Pagination

```
{
  "list_entries": [
    {
      "id": 64608,
      "list_id": 450,
      "creator_id": 287843,
      "entity_id": 62034,
      "created_at": "2017-05-04T10:44:31.526-08:00",
      "entity": {
        "type": 0,
        "first_name": "Affinity",
        "last_name": "Team",
        "primary_email": "team@affinity.co",
        "emails": [
          "team@affinity.co"
        ],
      },
    },
  ],
  {
    "id": 53510,
    "list_id": 450,
    "creator_id": 38596,
    "entity_id": 241576,
    "created_at": "2017-02-22T15:22:21.125-08:00",
    "entity": {
      "type": 0,
      "first_name": "John",
      "last_name": "Doe",
      "primary_email": "jdoe@stanford.edu",
      "emails": [
        "jdoe@stanford.edu"
      ],
    },
  },
  ...
],
  "next_page_token": "eyJwYXJhbXM10nsidGVybSI6Ij9lCjwYdWlX3NpemU0jUsIm9mZnNldCI6MTB9"
}
```

GET /lists/{list_id}/list-entries

If no page size is specified, fetches all the list entries in the list with the supplied list id. If a page size is specified, fetches up to that number of list entries in the list with the supplied list id.

PATH PARAMETERS

Parameter	Type	Required	Description
list_id	integer	true	The unique ID of the list whose list entries are to be retrieved.

QUERY PARAMETERS

Parameter	Type	Required	Description
page_size	integer	false	How many results to return per page. (Default is to return all results.)
page_token	string	false	The <code>next_page_token</code> from the previous response required to retrieve the next page of results.

RETURNS

If the `page_size` is not passed in as a parameter, an array of all the list entry resources corresponding to the provided list will be returned. If the `page_size` is passed in as a parameter, an object with two fields: `list_entries` and `next_page_token` are returned. `list_entries` maps to an array of up to `page_size` list entries. `next_page_token` includes a token to be sent along with the next request as the `page_token` parameter to fetch the next page of results. Each list entry in the both cases includes all the attributes as specified in the List Entry Resource section above.

Get a Specific List Entry

GET /lists/{list_id}/list-entries/{list_entry_id}

Fetches a list entry with a specified id.

Example Request

```
curl "https://api.affinity.co/lists/450/list-entries/16367" -u :$APIKEY
```

Example Response

```
{
  "id": 16367,
  "list_id": 450,
  "creator_id": 38596,
  "entity_id": 241576,
  "created_at": "2017-02-22T15:22:21.125-08:00",
  "entity": {
    "type": 0,
    "first_name": "John",
    "last_name": "Doe",
    "primary_email": "jdoe@stanford.edu",
    "emails": ["jdoe@stanford.edu"]
  }
}
```

PATH PARAMETERS

Parameter	Type	Required	Description
list_id	integer	true	The unique ID of the list that contains the specified <code>list_entry_id</code> .
list_entry_id	integer	true	The unique ID of the list entry object to be retrieved.

RETURNS

The list entry object corresponding to the `list_entry_id`.

Create a New List Entry

Example Request

```
curl -X POST "https://api.affinity.co/lists/450/list-entries" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"entity_id": 38706}'
```

Example Response

```
{
  "id": 53510,
  "list_id": 450,
  "creator_id": 38596,
  "entity_id": 38706,
  "created_at": "2017-02-22T15:22:21.125-08:00",
  "entity": {
    "type": 0,
    "first_name": "John",
    "last_name": "Doe",
    "primary_email": "jdoe@stanford.edu",
    "emails": ["jdoe@stanford.edu"]
  }
}
```

`POST /lists/{list_id}/list-entries`

Creates a new list entry in the list with the supplied list id.

PATH PARAMETERS

Parameter	Type	Required	Description
list_id	integer	true	The unique ID of the list whose list entries are to be retrieved.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
entity_id	integer	true	The unique ID of the person or organization to add to this list. Opportunities cannot be created using this endpoint. See note below.
creator_id	integer	false	The ID of a Person resource who should be recorded as adding the entry to the list. Must be a person who can access Affinity. If not provided the creator defaults to the owner of the API key.

NOTES

- Opportunities cannot be created using this endpoint. Instead use the `POST /opportunities` endpoint.
- Person and company lists can contain the same entity multiple times. Depending on your use case, before you add an entry, you may want to verify whether or not it exists in the list already.

RETURNS

The list entry resource that was just created through this request.

Delete a Specific List Entry

Example Request

```
curl "https://api.affinity.co/lists/450/list-entries/56517" \
-u :$APIKEY \
-X "DELETE"
```

Example Response

```
{ "success": true }
```

`DELETE /lists/{list_id}/list-entries/{list_entry_id}`

Deletes a list entry with a specified `list_entry_id`.

PATH PARAMETERS

Parameter	Type	Required	Description
list_id	integer	true	The unique ID of the list that contains the specified <code>list_entry_id</code> .
list_entry_id	integer	true	The unique ID of the list entry object to be deleted.

RETURNS

The JSON object `{"success": true}`.

NOTES

- This will also delete all the field values, if any, associated with the list entry. Such field values will only exist in fields specific to this list.
- If the list entry belongs to an Opportunity list, then the opportunity that the list entry is associated with will also be deleted.

Fields

As discussed in the previous section, fields as a data model represent the "columns" in a spreadsheet. A field can be specific to a given list, or it can be global. List-specific fields appear as a column whenever that list is being viewed while global fields are displayed on all lists.

Let us consider two examples:

1. Assume you have a list called "Top Referrers", and a new list-specific field (column) called "Number of Referrals" is added to this list. In this case, the "Number of Referrals" column will only be visible on the "Top Referrers" list.
2. Now assume you have three lists of people, "Top Referrers", "Friends in Media", "BD Leads", and a person X exists on all three lists. If you want to track where all the people in these 3 lists live, you might have a field called "Location". It makes sense to make this field global - in which case it will be shared across all three lists. Hence, if person X is a top referrer and lives in San Francisco, CA, that information will automatically appear on the "Friends in Media" list as well.

By default, Affinity provides all teams with a few default global fields: For people, the global fields include Location, Job Titles, and Industries. For organizations, the global fields include Stage, Industry, Location, and more.

NOTES

- Global field IDs for persons are returned from `GET /persons/fields`
- Global field IDs for organizations are returned from `GET /organizations/fields`
- List-specific field IDs are also returned from `GET /lists/{list_id}`

The Field Resource

Example Response

```
{
  "id": 1234,
  "name": "Deal Status",
  "list_id": 11,
  "enrichment_source": "none",
  "value_type": 7,
  "allows_multiple": false,
  "track_changes": true,
  "dropdown_options": [
    {
      "id": 2863451,
      "text": "New",
      "rank": 0,
      "color": 3
    },
    {
      "id": 2863452,
      "text": "In Progress",
      "rank": 1,
      "color": 3
    },
    {
      "id": 2863453,
```

```
    "text": "Won",
    "rank": 2,
    "color": 2
  }
}
```

Each field object has a unique `id`. It also has a `name`, which determines the name of the field, and `allows_multiple`, which determines whether multiple values can be added to a single cell for that field.

Affinity is extremely flexible and customizable, and a lot of that power comes from our ability to support many different value types for fields. Numbers, dates, and locations are all examples of value types, and you can search, sort, or filter all of them.

Attribute	Type	Description
id	integer	The unique identifier of the field object.
name	string	The name of the field.
list_id	integer	The unique identifier of the list that the field object belongs to if it is specific to a list. This is <code>null</code> if the field is global.
allows_multiple	boolean	This determines whether multiple values can be added to a single cell for the field.
dropdown_options	object[]	Affinity supports pre-entered dropdown options for fields of the "Ranked Dropdown" value_type. The array is empty unless there are valid dropdown options for the field of the "Ranked Dropdown" value type.
value_type	integer	This field describes what values can be associated with the field. This can be one of many values, as described in the table below.
enrichment_source	string	The data source for the enriched field. Will appear as none for custom fields and certain list-specific fields (e.g. Status). Fields auto-created for certain integrations will also be called out here (e.g. Mailchimp).

FIELD VALUE TYPES

All the Types listed below can be referred through looking at the Affinity web app as well.

Value	Type	Description
0	Person	This type enables you to add person objects as a value. Eg: External Source, Owner, Friends
1	Organization	This type enables you to add organization objects as a value. Eg: Place of work, Co-Investors
2	Dropdown	This type allows you to add text values into a single cell. This is best used when you want to store information that is unique to a person or organization. Eg: Interests, Stage, Industry
3	Number	This type enables you to add number as a value. Eg: Deal Size, Check Size, Revenue
4	Date	This type enables you to add date as a value. Eg: Date of Event, Birthday
5	Location	This type enables you to add a smart Google Maps location as a value. Eg: Address
6	Text	This type enables you to add a long text block as a value. Eg: Summary
7	Ranked Dropdown	This type allows you to add values in a particular order as well as assign colors to them. This is the equivalent of a pick list. Eg: Status, Priority, Ranking



NOTE

The API currently does not support updating and modifying fields. This must be done through the web product.

Get Fields

Example Request

```
curl "https://api.affinity.co/fields?with_modified_names=true" -u :$APIKEY
```

Example Response

```
{
  {
    "id": 1234,
    "name": "[Deals] Amount",
    "list_id": 11,
    "enrichment_source": "none",
    "value_type": 3,
    "allows_multiple": false,
    "track_changes": true,
    "dropdown_options": []
  },
  {
    "id": 5678,
    "name": "[Events] Amount",
    "list_id": 16,
    "enrichment_source": "none",
    "value_type": 3,
    "allows_multiple": false,
    "track_changes": true,
    "dropdown_options": []
  },
  {
    "id": 4321,
```

```
    "name": "[Companies] Description",
    "list_id": 18,
    "enrichment_source": "dealroom",
    "value_type": 6,
    "allows_multiple": false,
    "track_changes": false,
    "dropdown_options": []
  },
  ...
}
```

GET /fields

Returns all fields based on the parameters provided.

Pass the `list_id` to only fetch fields that are specific to that list. Otherwise, all global and list-specific fields will be returned.

Pass the `value_type` to fetch fields of specific value types. Otherwise, all fields of any type will be returned.

Pass the `entity_type` to fetch fields of specific entity types. Otherwise, any fields of any entity type will be returned.

Pass the `with_modified_names` flag to return the fields such that the names have the list name prepended to them in the format `[List Name] Field Name` (i.e. `[Deals] Status`).


Pass the `exclude_dropdown_options` flag to exclude dropdown options from the response. This may be useful when the payload is too large due to too many dropdown options.

QUERY PARAMETERS

Parameter	Type	Required	Description
list_id	integer	false	An unique identifier of the list whose fields are to be retrieved.
value_type	integer	false	The value type of the fields that are to be retrieved.
entity_type	integer	false	The entity type of the fields that are to be retrieved.
with_modified_names	boolean	false	When true, field names will return in the format <code>[List Name] Field Name</code> .
exclude_dropdown_options	boolean	false	When true, dropdown options will not be returned in the response.

RETURNS

An array of all the fields requested.



NOTE

- Results returned with `list_id: null` mean they do not belong to a specific list and thus are global fields.
- Field endpoint does not return any Crunchbase fields.

Create Field

Example Request

```
curl -X POST "https://api.affinity.co/fields" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"name": "[Deals] Amount", "list_id": 11, "entity_type": 1, "value_type": 3, "allows_multiple": false, "is_list_specific": true}'
```

Example Response

```
{
  "id": 59,
  "name": "[Deals] Amount",
  "list_id": 11,
  "enrichment_source": "none",
  "value_type": 3,
  "allows_multiple": false,
  "track_changes": false,
  "dropdown_options": []
}
```

POST /fields

Creates a new field with the supplied parameters.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
name	string	true	The name of the field.
entity_type	integer	true	This describes what type of list this field will be associated with the field. This can be one of three values, see below for all value types.
value_type	integer	true	This describes what values can be associated with the field. This can be one of many values, see the Field Resource section for all value types.
list_id	integer	false	The unique identifier of the list that the field object belongs to if it is specific to a list. This is <code>null</code> if the field is global.
allows_multiple	boolean	false	This determines whether multiple values can be added to a single cell for the field.
is_list_specific	boolean	false	This determines whether the field object belongs to a specific list. If set to <code>true</code> , you must pass in the appropriate <code>list_id</code> .

Parameter	Type	Required	Description
is_required	boolean	false	This determines whether the field object is required.

FIELD ENTITY TYPES

Parameter	Type	Description
person	0	Type specifying a list of people.
organization	1	Type specifying a list of organizations.
opportunity	8	Type specifying a list of opportunities.

RETURNS

The field resource that was just created through this request.

Delete a Field

Example Request

```
curl "https://api.affinity.co/fields/1234" \  
-u :$APIKEY \  
-X "DELETE"
```

Example Response

```
{ "success": true }
```

DELETE /fields/{id}

Deletes an field with the specified `id`.

PATH PARAMETERS

Parameter	Type	Required	Description
id	integer	true	The unique ID of the field that needs to be deleted.

RETURNS

```
{success: true}
```

Field Values

Field values are displayed in Affinity as the data in the cells of an Affinity spreadsheet.

As an example for how a field value is created:

- 1. Assume there exists a list of people called "Business Development Leads".
- 2. A custom field called "Deal Size" is created on this list. Fields are visually displayed as columns.
- 3. A person X is added to this list. This action creates a list entry for this person.
- 4. A value, 50,000, is entered in the cell corresponding to person X in the Deal Size column.
- 5. 50,000 is now a field value tied to the list entry corresponding to person X, and the "Deal Size" field.

NOTES

- By default, Affinity creates some fields for you automatically. These include Location, Industry, Job Titles, and more. See the Default Fields section for more information.
- Opportunities cannot have global field values

The Field Value Resource

Example Response (Global Location Field Value)

```
{  
  "id": 250616,  
  "field_id": 337,  
  "list_entry_id": null,  
  "entity_id": 38706,  
  "created_at": "2022-10-04T08:54:24.694-04:00",  
  "updated_at": null,  
  "value": {  
    "city": "San Francisco",  
    "state": "California",  
    "country": "United States",  
    "continent": null,  
    "street_address": null  
  }  
}
```

Example Response (List Specific Dropdown Field Value)

```
{
  "id": 177634,
  "field_id": 751,
  "list_entry_id": 605,
  "entity_id": 38706,
  "created_at": "2021-10-04T08:54:24.694-04:00",
  "updated_at": "2022-03-04T08:54:24.694-04:00",
  "value": {
    "id": 71,
    "text": "Low",
    "rank": 1,
    "color": 4
  }
}
```

Each field value object has a unique `id`.

A field value also has `field_id`, `entity_id`, and `list_entry_id` attributes that give it the appropriate associations, as noted in the example above.

Use the `created_at` and `updated_at` timestamps on field values to determine when the value(s) for a given field have last been added or changed. Please note that what might amount to an “update” in-product (e.g. for dropdown fields) might result in a newly created field value rather than an updated old one in the API.

A field value can take on many different kinds of values, depending on the `field` value type (see Fields section).



NOTE

When retrieving Field Values from a specific cell in your Affinity list, it may be helpful to think about it as an XY coordinate system. The X coordinate is the List Entry or Entity and the Y coordinate is the Field ID. You will need to have both to find the appropriate Field Value ID.

Attribute	Type	Description
id	integer	The unique identifier of the field value object.
field_id	integer	The unique identifier of the field the value is associated with.
entity_id	integer	The unique identifier of the person, organization, or opportunity object the field value is associated with.
list_entry_id	integer	The unique identifier of the list entry object the field value is associated with. This only exists if the field the value is associated with is list-specific.
value	One of many	The value attribute can take on many different types, depending on the field <code>value_type</code> . See below for reference.
created_at	datetime	The string representing the time when the field value was created.
updated_at	datetime	The string representing the last time the field value was updated.

FIELD VALUE VALUE TYPES

The Field Type specified below corresponds to the `value_type` of a field.

Value Type	Type	Description
dropdown	string	This represents a value in a dropdown field.
number	integer	This represents a value in a number field.
person	integer	This represents a value in a person field.
organization	integer	This represents a value in an organization field.
location	object	This represents a value in a location field - it's an object comprising the following keys: <code>street_address</code> , <code>city</code> , <code>state</code> , <code>country</code> , all of which take string values.
date	datetime	This represents a value in a date field.
text	string	This represents a value in a text field.

Get Field Values

Example Request

```
curl "https://api.affinity.co/field-values?person_id=38706" -u :$APIKEY
```

Example Response

```
{
  {
    "id": 250616,
    "field_id": 337,
    "list_entry_id": null,
    "entity_id": 38706,
    "created_at": "2021-10-04T08:54:24.694-04:00",
    "updated_at": "2022-03-04T08:54:24.694-04:00",
    "value": {
      "city": "San Francisco",
      "state": "California",
      "country": "United States",
    }
  }
}
```

```
    "continent": null,
    "street_address": null
  },
  {
    "id": 2634897436,
    "field_id": 768101,
    "list_entry_id": null,
    "entity_type": 0,
    "value_type": 2,
    "entity_id": 65680071,
    "created_at": "2022-10-04T08:54:24.694-04:00",
    "updated_at": null,
    "value": "Software Engineer"
  },
  {
    "id": 32760,
    "field_id": 198,
    "list_entry_id": null,
    "entity_id": 38706,
    "created_at": "2022-09-04T08:54:24.694-04:00",
    "updated_at": null,
    "value": 38659
  },
  ...
}
```

GET /field-values

Returns all field values attached to a `person`, `organization`, `opportunity`, or `list_entry`.

QUERY PARAMETERS

Parameter	Type	Required	Description
person_id	integer	custom*	A unique ID that represents a person object whose field values are to be retrieved.
organization_id	integer	custom*	A unique ID that represents an organization object whose field values are to be retrieved.
opportunity_id	integer	custom*	A unique ID that represents an opportunity object whose field values are to be retrieved.
list_entry_id	integer	custom*	A unique ID that represents a list entry object whose field values are to be retrieved.

RETURNS

An array of all the field values associated with the supplied `person`, `organization`, `opportunity`, or `list_entry`.

NOTES

- Exactly one of `person_id`, `organization_id`, `opportunity_id`, or `list_entry_id` must be specified to the endpoint.
- If a `person_id`, `organization_id`, or `opportunity_id` is specified, the endpoint returns all field values tied to these entities - including those that are associated with all list entries that exist for the given person or organization. Opportunities can only have one list entry.
- Smart fields cannot be retrieved using the field values endpoint. Smart field values can be retrieved using the `with_interaction_dates` parameter on the `GET /persons/{person_id}` or `GET /organizations/{organization_id}` endpoints. The people associated with smart fields can be retrieved using the `with_interaction_persons` on the `GET /persons/{person_id}` or `GET /organizations/{organization_id}` endpoints.
- Field values endpoint does return Crunchbase fields, but with `null` values.

Create a New Field Value

Example Request

```
curl -X POST "https://api.affinity.co/field-values" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"field_id": 1284, "value": "Architecture", "entity_id": 38706}'
```

Example Response

```
{
  "id": 20406836,
  "field_id": 1284,
  "list_entry_id": null,
  "entity_id": 38706,
  "created_at": "2022-10-04T10:37:19.418-04:00",
  "updated_at": null,
  "value": "Architecture"
}
```

POST /field-values

Creates a new field value with the supplied parameters.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
field_id	integer	true	The unique identifier of the field (column) that the field value is associated with.

Parameter	Type	Required	Description
entity_id	integer	true	The unique identifier of the entity (person, organization, or opportunity) that the field value is associated with.
value	custom	true	See the Field Value Resource section for all value types. The value specified must correspond to the <code>value_type</code> of the supplied <code>field</code> . For ranked dropdown fields like the default Status field, you must supply the ID of a dropdown option rather than a string value. These IDs can be found using the <code>GET /fields</code> endpoint.
list_entry_id	integer	false	The unique identifier of the list entry (list row) that the field value is associated with. Only specify the <code>list_entry_id</code> if the field that the field value is associated with is list specific.

RETURNS

The field value resource that was just created through this request.

Update a Field Value

Example Request

```
curl -X PUT "https://api.affinity.co/field-values/20406836" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"value": "Healthcare"}'
```

Example Response

```
{
  "id": 20406836,
  "field_id": 1204,
  "list_entry_id": null,
  "entity_id": 38706,
  "created_at": "2022-10-04T10:37:19.418-04:00",
  "updated_at": "2023-02-06T11:53:08.914-05:00",
  "value": "Healthcare"
}
```

`PUT /field-values/{field_value_id}`

Updates the existing field value with `field_value_id` with the supplied parameters.

PATH PARAMETERS

Parameter	Type	Required	Description
field_value_id	integer	true	The unique ID of the field value that needs to be updated.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
value	custom	true	See the Field Value Resource section for all value types. The value specified must correspond to the <code>value_type</code> of the supplied <code>field</code> . For ranked dropdown fields like the default Status field, you must supply the ID of a dropdown option rather than a string value. These IDs can be found using the <code>GET /fields</code> endpoint.

RETURNS

The field value object that was just updated through this request.

NOTES

When updating a specific field value make sure to use the `field_value_id` and not the `field_id`.

Delete a Field Value

Example Request

```
curl "https://api.affinity.co/field-values/20406836" \
-u :$APIKEY \
-X "DELETE"
```

Example Response

```
{ "success": true }
```

`DELETE /field-values/{field_value_id}`

Deletes an field value with the specified `field_value_id`.

PATH PARAMETERS

Parameter	Type	Required	Description
field_value_id	integer	true	The unique ID of the field value that needs to be deleted.

RETURNS

{success: true}.

Field Value Changes

Field value changes allow you to see historical changes to the values of fields in Affinity. This is especially useful for tracking progress through statuses (e.g. Lead --> Closed Won).

Supported field types

Not all fields can track historical changes.

Fields that are automatically created and "enriched" by Affinity **do not** support change tracking.

Among fields that are not enriched, only the ones with the following data types support change tracking:

MULTI-VALUED FIELDS

Value	Type
0	Person
1	Organization
3	Number
5	Location

SINGLE-VALUED FIELDS

Value	Type
0	Person
1	Organization
3	Number
4	Date
5	Location
7	Ranked Dropdown



NOTE

You can also see if a field does so by looking at the `track_changes` attribute in the Field Resource. The API will return an appropriate error if the field doesn't support historical tracking.

The Field Value Change Resource

Example Response

```
{
  "id": 50822718,
  "field_id": 236333,
  "entity_id": 261131046,
  "list_entry_id": 15709964,
  "action_type": 0,
  "changer": {
    "id": 38706,
    "type": 0,
    "first_name": "Jane",
    "last_name": "Doe",
    "primary_email": "jane@gmail.com",
    "emails": ["jane@gmail.com"]
  },
  "changed_at": "2020-04-11T15:46:50.963-07:00",
  "value": {
    "id": 1607859,
    "text": "New",
    "rank": 1,
    "color": 0
  }
}
```

Each field value change object has a unique `id`.


A field value change also has `field_id`, `entity_id`, `list_entry_id` attributes that give it the appropriate associations, as noted in the example above.

Attribute	Type	Description
id	integer	The unique identifier of the field value change object.
field_id	integer	The unique identifier of the field the value change is associated with.
entity_id	integer	The unique identifier of the person, organization, or opportunity object the field value change is associated with.
list_entry_id	integer	The unique identifier of the list entry object the field value change is associated with.
action_type	One of several	Describes the action behind this field value change. This attribute can take on several different types; see below for reference.
value	One of many	Represents the field's value. This attribute can take on many different types, depending on the field <code>value_type</code> . When the action type is Delete, value represents the old value; otherwise, it represents the new value.

FIELD VALUE CHANGE ACTION TYPES

The action type specified below corresponds to the `action_type` of a field value change. This attribute filters the field value changes that are returned. For example, when an `action_type` of 0 is specified, all the field value change objects that are returned will represent when a field value has been created.

Action Type	Type
0	Create
1	Delete
2	Update



NOTE

There are some extra attributes returned by this endpoint; they will be deprecated soon and should not be used.

Get Field Values Changes

Example Request

```
curl "https://api.affinity.co/field-value-changes?field_id=236333" -u :$APIKEY
```

Example Response

```
{
  {
    "id": 50822718,
    "field_id": 236333,
    "entity_id": 261131046,
    "list_entry_id": 15709964,
    "action_type": 0,
    "changer": {
      "id": 38706,
      "type": 0,
      "first_name": "Jane",
      "last_name": "Doe",
      "primary_email": "jane@gmail.com",
      "emails": ["jane@gmail.com"]
    },
    "changed_at": "2020-04-11T15:46:50.963-07:00",
    "value": {
      "id": 1607859,
      "text": "New",
      "rank": 1,
      "color": 0
    }
  }
}
```

GET /field-value-changes


Returns all field values changes attached to a specific field. Field value changes can be filtered by `action_type`, `person`, `organization`, `opportunity` or `list_entry` by passing in the appropriate parameter.

QUERY PARAMETERS

Parameter	Type	Required	Description
field_id	integer	true	A unique ID that represents a field object whose field values changes are to be retrieved.
action_type	integer	false	An integer that filters field value changes that were created with this specific action type (see above).
person_id	integer	custom*	A unique ID that represents a person object whose field value changes are to be retrieved.
organization_id	integer	custom*	A unique ID that represents an organization object whose field value changes are to be retrieved.
opportunity_id	integer	custom*	A unique ID that represents an opportunity object whose field value changes are to be retrieved.
list_entry_id	integer	custom*	A unique ID that represents a list entry object whose field value changes are to be retrieved.

RETURNS

An array of all the field values changes associated with the supplied field and `person`, `organization`, `opportunity` or `list_entry` if specified.




NOTES

- Exactly one of `person_id`, `organization_id`, `opportunity_id`, or `list_entry_id` must be specified to the endpoint.
- If a `person_id`, `organization_id`, or `opportunity_id` is specified, the endpoint returns all field value changes tied to these entities.
- If a `list_entry_id` is specified, the result is filtered by the `person_id`, `organization_id` or `opportunity_id` which is tied to the specified `list_entry_id`.

Persons

The persons API allows you to manage all the contacts of your organization. These people include anyone your team has ever been in email communications or meetings with, and all the people that your team has added to Affinity either manually or through the API. Affinity's data model also guarantees that only one person in your team's shared contact list has a given email address.



NOTES

- If you are looking to add or remove a person from a list, please check out the List Entries section of the API.
- If you are looking to modify a person's field values (one of the cells on Affinity's spreadsheet), please check out the Field Values section of the API.

The Person Resource

Example Response

```
{
  "id": 38706,
  "type": 0,
  "first_name": "John",
  "last_name": "Doe",
  "primary_email": "john@affinity.co",
  "emails": [
    "john@affinity.co",
    "jdoe@lummi.stanford.edu",
    "johnjdoe@gmail.com",
  ],
  "organization_ids": [
    1687449,
    ...
  ],
  "opportunity_ids": [
    4,
    11,
    ...
  ],
  "current_organization_ids": [1687449],
  "list_entries": [
    {
      "id": 388,
      "list_id": 26,
      "creator_id": 38603,
      "entity_id": 38706,
      "created_at": "2015-12-11T02:26:56.537-08:00",
    },
    ...
  ],
  "interaction_dates": {
    "first_email_date": "2011-11-23T08:12:45.328-08:00",
    "last_email_date": "2012-03-04T05:06:07.890-08:00",
    "last_event_date": "2011-12-11T02:26:56.537-08:00",
    "last_chat_message_date": "2011-11-01T02:26:56.537-08:00",
    "last_interaction_date": "2012-03-04T05:06:07.890-08:00",
    "next_event_date": "2019-03-04T05:06:07.890-08:00",
    "first_event_date": "2012-01-01T08:18:00.329-08:00",
  },
  "interactions": {
    "first_email": {
      "date": "2011-11-23T08:12:45.328-08:00",
      "person_ids": [
        123
      ]
    },
    "last_email": {
      "date": "2012-03-04T05:06:07.890-08:00",
      "person_ids": [
        123
      ]
    },
    "last_event": {
      "date": "2011-12-11T02:26:56.537-08:00",
      "person_ids": [
        123
      ]
    },
    "last_chat_message": {
      "date": "2011-11-01T02:26:56.537-08:00",
      "person_ids": [

```

```
    123
  ]
},
"last_interaction": {
  "date": "2012-03-04T05:06:07.890-08:00",
  "person_ids": [
    123,
    123,
    111
  ]
},
"next_event": {
  "date": "2019-03-04T05:06:07.890-08:00",
  "person_ids": [
    123,
    124,
    125
  ]
},
"first_event": {
  "date": "2012-01-01T08:18:00.329-08:00",
  "person_ids": [
    123
  ]
}
}
```

Each person resource is assigned a unique `id` and stores the name, type, and email addresses of the person. A person resource also has access to a smart attribute called `primary_email`. The value of `primary_email` is automatically computed by Affinity's proprietary algorithms and refers to the email that is most likely to be the current active email address of a person.

The person resource `organization_ids` is a collection of unique identifiers to the person's associated organizations. Note that a person can be associated with multiple organizations. For example, say your team has talked with organizations A and B. Person X used to work at A and was your point of contact, but then changed jobs and started emailing you from a new email address (corresponding to organization B). In this case, Affinity will automatically associate person X with both organization A and organization B.

The person resource `type` indicates whether a person is internal or external to your team. Every internal person is a user of Affinity on your team, and all other people are externals.

Dates of the most recent and upcoming interactions with a person are available in the `interaction_dates` field. This data is only included when passing `with_interaction_dates=true` as a query parameter to the `/persons` or the `/persons/{person_id}` endpoints.

Attribute	Type	Description
id	integer	The unique identifier of the person object.
type	integer	The type of person (see below).
first_name	string	The first name of the person.
last_name	string	The last name of the person.
emails	string[]	The email addresses of the person.
primary_email	string	The email (automatically computed) that is most likely to the current active email address of the person.
organization_ids	integer[]	An array of unique identifiers of organizations that the person is associated with.
opportunity_ids	integer[]	An array of unique identifiers of opportunities that the person is associated with. Only returned when <code>with_opportunities=true</code> .
current_organization_ids	integer[]	An array of unique identifiers of organizations that the person is currently associated with according to the Affinity Data: Current Organization in-app column. Only returned when <code>with_current_organizations=true</code> .
list_entries	ListEntry[]	An array of list entry resources associated with the person, only returned as part of the Get a Specific Person endpoint.
interaction_dates	object	An object with seven string date fields representing the most recent and upcoming interactions with this person: <code>first_email_date</code> , <code>last_email_date</code> , <code>last_event_date</code> , <code>last_chat_message_date</code> , <code>last_interaction_date</code> , <code>first_event_date</code> and <code>next_event_date</code> . Only returned when passing <code>with_interaction_dates=true</code> .
interactions	object	An object with seven fields nested underneath. Each field corresponds to one of the seven interactions, and includes nested fields for <code>date</code> and <code>person_ids</code> which indicates the internal people associated with that event. Only returned when passing <code>with_interaction_dates=true</code> .

PERSON TYPES

Type	Value	Description
external	0	Default value. All people that your team has spoken with externally have this type.
internal	1	All people on your team that have Affinity accounts will have this type.

Search for Persons

GET /persons

Searches your teams data and fetches all the persons that meet the search criteria. The search term can be part of an email address, a first name or a last name.

This result is paginated. An initial request returns an object with two fields: `persons` and `next_page_token`. `persons` contains an array of person resources. The value of `next_page_token` should be sent as the query parameter `page_token` in another request to retrieve the next page of results. While paginating through results, each request must have identical query parameters other than the changing `page_token`. Otherwise, an `Invalid page-token variable` error will be returned.

The absence of a `next_page_token` indicates that all the records have been fetched, though its presence does not necessarily indicate that there are *more* resources to be fetched. The next page may be empty (but then `next_page_token` would be `null` to confirm that there are no more resources).

Pass `with_interaction_dates=true` as a query parameter to include dates of the most recent and upcoming interactions with persons. When this parameter is included, persons with no interactions will not be returned in the response. Pass `with_interaction_persons=true` as a query parameter if `with_interaction_dates=true` to also get the internal persons associated with the interaction.

Example Request

Example Response

Example Pagination

Example with Interaction Date

QUERY PARAMETERS

RETURNS

Get a Specific Person

Example Request

Example Response

```
{
  "id": 38706,
  "type": 0,
  "first_name": "John",
  "last_name": "Doe",
  "primary_email": "john@affinity.co",
  "emails": [
    "john@affinity.co",
    "jdoe@lumni.stanford.edu",
    "johndoe@gmail.com",
  ],
  "organization_ids": [1687449],
  "opportunity_ids": [
    4,
    11,
    ...
  ],
  "current_organization_ids": [1687449],
  "list_entries": [
    {
      "id": 388,
      "list_id": 26,
      "creator_id": 38603,
      "entity_id": 38706,
      "created_at": "2015-12-11T02:26:56.537-08:00",
    },
    ...
  ],
}
```

GET /persons/{person_id}

Fetches a person with a specified `person_id`.

PATH PARAMETERS

Parameter	Type	Required	Description
person_id	integer	true	The unique ID of the person that needs to be retrieved.
with_interaction_dates	boolean	false	When true, interaction dates will be present on the returned resources.
with_interaction_persons	boolean	false	When true, persons for each interaction will be returned. Used in conjunction with <code>with_interaction_dates</code>
with_opportunities	boolean	false	When true, opportunity IDs associated with this person will be returned.
with_current_organizations	boolean	false	When true, the IDs of this person's current organizations (according to the Affinity Data: Current Organizations column) will be returned.

RETURNS

The person resource corresponding to the `person_id`.

Create a New Person

Example Request

```
curl -X POST "https://api.affinity.co/persons" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"first_name": "Alice", "last_name": "Doe", "emails": ["alice@affinity.co"], "organization_ids": [1687449]}'
```

Example Response

```
{
  "id": 860197,
  "type": 0,
  "first_name": "Alice",
  "last_name": "Doe",
  "primary_email": "alice@affinity.co",
  "emails": ["alice@affinity.co"],
  "organization_ids": [1687449]
}
```

POST /persons

Creates a new person with the supplied parameters.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
first_name	string	true	The first name of the person.
last_name	string	true	The last name of the person.
emails	string[]	true	The email addresses of the person. If there are no email addresses, please specify an empty array.
organization_ids	integer[]	false	An array of unique identifiers of organizations that the person is associated with.

RETURNS

The person resource was newly created from this successful request.

NOTES

- If one of the supplied email addresses conflicts with another person object, this request will fail and an appropriate error will be returned.
- If you are looking to add an existing person to a list, please check the List Entries section of the API.

Update a person

Example Request

```
curl -X PUT "https://api.affinity.co/persons/860197" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"first_name": "Allison", "emails": ["allison@affinity.co", "allison@gmail.com"]}'
```

Example Response

```
{
  "id": 860197,
  "type": 0,
  "first_name": "Allison",
  "last_name": "Doe",
  "primary_email": "alice@affinity.co",
  "emails": ["alice@affinity.co", "allison@example.com", "allison@gmail.com"],
  "organization_ids": [1687449]
}
```

PUT /persons/{person_id}

Updates an existing person with `person_id` with the supplied parameters. Only attributes that need to be changed must be passed in.

PATH PARAMETERS

Parameter	Type	Required	Description
person_id	integer	true	The unique ID of the person that needs to be updated.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
first_name	string	false	The first name of the person.
last_name	string	false	The last name of the person.
emails	string[]	false	The email addresses of the person. If there are no email addresses, please specify an empty array.
organization_ids	integer[]	false	An array of unique identifiers of organizations that the person is associated with

RETURNS

The person object that was just updated through this request.



NOTE

- If you are looking to add an existing person to a list, please check the List Entries section of the API.
- If you are trying to add a new email or organization to a person, the existing values for `emails` and `organization_ids` must also be supplied as parameters.

Delete a Person

Example Request

```
curl "https://api.affinity.co/persons/860197" \
-u :$APIKEY \
-X "DELETE"
```

Example Response

```
{ "success": true }
```

DELETE /persons/{person_id}

Deletes a person with a specified `person_id`.

PATH PARAMETERS

Parameter	Type	Required	Description
person_id	integer	true	The unique ID of the person that needs to be deleted.

RETURNS

```
{success: true}.
```

**NOTE**

This will also delete all the field values, if any, associated with the person. Such field values exist linked to either global or list-specific fields.

Get Global Person Fields

```
GET /persons/fields
```

Fetches an array of all the global fields that exist on people. If you aren't sure about what fields are, please read the Fields section first.

Example Request

```
curl "https://api.affinity.co/persons/fields" -u :$APIKEY
```

Example Response

```
{
  {
    "id": 125,
    "name": "Use Case",
    "value_type": 2,
    "allows_multiple": true,
    "dropdown_options": []
  },
  {
    "id": 198,
    "name": "Referrers",
    "value_type": 0,
    "allows_multiple": true,
    "dropdown_options": []
  },
  {
    "id": 1615,
    "name": "Address",
    "value_type": 5,
    "allows_multiple": false,
    "dropdown_options": []
  },
  ...
}
```

PARAMETERS

None.

RETURNS

An array of the global fields that exist on people for your team.

Organizations

An organization in Affinity represents an external company that your team is in touch with- this could be an organization you're trying to invest in, sell to, or establish a relationship with.

An organization has many people associated with it - these are your team's points of contacts at that organization. Just like people, organizations can be added to multiple lists and can be assigned field values.

To make the data quality as good as possible, we have our own proprietary database of organizations that we have developed through third-party partnerships and web scraping. We use this database to minimize data entry for you as you use Affinity's CRM products.

**NOTES**

- If you are looking to add or remove an organization from a list, please check out the List Entries section of the API.
- If you are looking to modify a field value (one of the cells on Affinity's spreadsheet), please check out the Field Values section of the API.

The Organization Resource

Example Response

```
{
  "id": 64779194,
  "name": "Affinity",
  "domain": "affinity.co",
  "domains": ["affinity.co"],
  "global": false,
  "person_ids": [
```

```
89734,
117270,
138123,
274492,
304848,
...],
"opportunity_ids": [
4,
11,
...
],
"list_entries": [
{
"id": 389,
"list_id": 26,
"creator_id": 38603,
"entity_id": 64779194,
"created_at": "2015-12-11T02:26:56.537-08:00",
},
...
],
"interaction_dates": {
"first_email_date": "2011-11-23T08:12:45.328-08:00",
"last_email_date": "2012-03-04T05:06:07.890-08:00",
"last_event_date": "2011-12-11T02:26:56.537-08:00",
"last_chat_message_date": "2011-11-01T02:26:56.537-08:00",
"last_interaction_date": "2012-03-04T05:06:07.890-08:00",
"next_event_date": "2019-03-04T05:06:07.890-08:00",
"first_event_date": "2012-01-01T08:18:00.329-08:00",
},
"interactions": {
"first_email": {
"date": "2011-11-23T08:12:45.328-08:00",
"person_ids": [
123
]
},
"last_email": {
"date": "2012-03-04T05:06:07.890-08:00",
"person_ids": [
123
]
},
"last_event": {
"date": "2011-12-11T02:26:56.537-08:00",
"person_ids": [
123
]
},
"last_chat_message": {
"date": "2011-11-01T02:26:56.537-08:00",
"person_ids": [
123
]
},
"last_interaction": {
"date": "2012-03-04T05:06:07.890-08:00",
"person_ids": [
123,
111
]
},
"next_event": {
"date": "2019-03-04T05:06:07.890-08:00",
"person_ids": [
123,
124,
125
]
},
"first_event": {
"date": "2012-01-01T08:18:00.329-08:00",
"person_ids": [
123
]
}
}
}
```

Each organization object has a unique `id`. It also has a `name`, `domain` (the website of the organization), and `persons` associated with it. The `domain` is an important attribute from an automation perspective, as it helps Affinity automatically link all the appropriate person objects to the organization.

Each organization also has a flag determining whether it's `global` or not. As mentioned above, Affinity maintains its own database of global organizations that each customer has access to. Note that you cannot change the name or the domain of a `global` organization. You also cannot delete a `global` organization.

Of course, if an organization is manually created by your team, all fields can be modified and the organization can be deleted.

Dates of the most recent and upcoming interactions with an organization are available in the `interaction_dates` field. This data is only included when passing `with_interaction_dates=true` as a query parameter to the `GET /organizations` or the `GET /organizations/{organization_id}` endpoints.

Attribute	Type	Description
id	integer	The unique identifier of the organization object.
name	string	The name of the organization.
domain	string	The website name of the organization. This is used by Affinity to automatically associate person objects with an organization.
domains	string[]	An array of all the websites associated with the organization. These are also used to automatically associate person objects with an organization.
person_ids	integer[]	An array of unique identifiers of people that are associated with the organization
opportunity_ids	integer[]	An array of unique identifiers of opportunities that are associated with the organization

Attribute	Type	Description
global	boolean	Returns whether this organization is a part of Affinity's global dataset of organizations. This is always false if the organization was created by you.
list_entries	ListEntry[]	An array of list entry resources associated with the organization, only returned as part of the Get a specific organization endpoint.
interaction_dates	object	An object with seven string date fields representing the most recent and upcoming interactions with this organization: <code>first_email_date</code> , <code>last_email_date</code> , <code>last_event_date</code> , <code>last_chat_message_date</code> , <code>last_interacton_date</code> , <code>first_event_date</code> , and <code>next_event_date</code> . Only returned when passing <code>with_interaction_dates=true</code> .
interactions	object	An object with seven fields nested underneath. Each field corresponds to one of the seven interactions, and includes nested fields for <code>date</code> and <code>person_ids</code> which indicates the internal people associated with that event (people only returned if passing <code>with_interaction_persons=true</code>). Only returned when passing <code>with_interaction_dates=true</code> .

Search for Organizations

GET /organizations

Searches your team's data and fetches all the organizations that meet the search criteria. The search term can be a part of an organization's name or domain.

This result is paginated. An initial request returns an object with two fields: `organizations` and `next_page_token`. `organizations` contains an array of organization resources. The value of `next_page_token` should be sent as the query parameter `page_token` in another request to retrieve the next page of results. While paginating through results, each request must have identical query parameters other than the changing `page_token`. Otherwise, an `Invalid page_token variable` error will be returned.

The absence of a `next_page_token` indicates that all the records have been fetched, though its presence does not necessarily indicate that there are *more* resources to be fetched. The next page may be empty (but then `next_page_token` would be `null` to confirm that there are no more resources).

Pass `with_interaction_dates=true` as a query parameter to include dates of the most recent and upcoming interactions with organizations. When this parameter is included, organizations with no interactions will not be returned in the response. Pass `with_interaction_persons=true` as a query parameter if `with_interaction_dates=true` to also get the internal persons associated with the interaction.

You can filter by interaction dates by providing additional query parameters like `min_last_email_date` or `max_next_event_date`. The value of these query parameters should be ISO 8601 formatted date strings. The interaction dates are stored with timestamps, so the `{min,max}<interaction>_date` parameter can include or exclude timestamps to explicitly filter the dataset. If a timestamp is not provided, the system will use the default value of `00:00:00`.

Example Request

```
curl "https://api.affinity.co/organizations?term=affinity" -u :$APIKEY
```

Example Response

```
{
  "organizations": [
    {
      "id": 64779194,
      "name": "Affinity",
      "domain": "affinity.co",
      "domains": ["affinity.co"],
      "global": false
    },
    {
      "id": 1513682,
      "name": "Brand Affinity Technologies",
      "domain": "brandaffinity.net",
      "domains": ["brandaffinity.net"],
      "global": true
    },
    ...
  ],
  "next_page_token": "eyJwYXJhbXM1OmsidGVybS16Ij139LCjwYwd1X3NpemU10jUsIm9mZnNldC16MTB9",
}
```

Example Pagination

```
# To get the second page of results, issue the following query:
curl "https://api.affinity.co/organizations" \
-u :$APIKEY \
-d page_token=eyJwYXJhbXM1OmsidGVybS16Ij139LCjwYwd1X3NpemU10jUsIm9mZnNldC16MTB9
```

Example with Interaction Date

```
# To get the results between min_last_email_interaction_date and max_last_email_interaction_date, issue the following query:
curl "https://api.affinity.co/organizations" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"min_last_email_date": "2021-01-01T00:00:00", "with_interaction_dates": true, "max_last_email_date": "2021-01-12T23:59:59"}'
```


QUERY PARAMETERS

Parameter	Type	Required	Description
term	string	false	A string used to search all the organizations in your team's address book. This could be a name or a domain name.
with_interaction_dates	boolean	false	When true, interaction dates will be present on the returned resources. Only organizations that have interactions will be returned.
with_interaction_persons	boolean	false	When true, persons for each interaction will be returned. Used in conjunction with <code>with_interaction_dates</code> .
with_opportunities	boolean	false	When true, opportunity IDs associated with this organization will be returned.
min_{interaction type}_date	string	false	Only returns organizations with the given interaction type above the given value. <code>interaction type</code> can be one of <code>first_email</code> , <code>last_email</code> , <code>last_interaction</code> , <code>last_event</code> , <code>first_event</code> , or <code>next_event</code> . This would be used with max interaction.

Parameter	Type	Required	Description
max_{interaction type}>_date	string	false	Only returns organizations with the given interaction type below the given value. {interaction type} can be one of {first_email}, {last_email}, {last_interaction}, {last_event}, {first_event}, or {next_event}. This would be used with min interaction.
page_size	number	false	How many results to return per page. (Default is the maximum value of 500.)
page_token	string	false	The {next_page_token} from the previous response required to retrieve the next page of results.

RETURNS

An object with two fields: {organizations} and {next_page_token}. {organizations} maps to an array of all the organization resources that match the search criteria. {next_page_token} includes a token to be sent along with the next request as the {page_token} parameter to fetch the next page of results. When {with_interaction_dates} is passed in the returned resources will have {interaction_dates} fields.



NOTE

When only a search term is supplied, Affinity will search organization resources that are also outside of your instance.

Get a Specific Organization

Example Request

```
curl "https://api.affinity.co/organizations/64779194" -u :$APIKEY
```

Example Response

```
{
  "id": 64779194,
  "name": "Affinity",
  "domain": "affinity.co",
  "domains": ["affinity.co"],
  "global": false,
  "person_ids": [
    89734,
    117270,
    138123,
    274492,
    304848,
    ...
  ],
  "opportunity_ids": [
    4,
    11,
    ...
  ],
  "list_entries": [
    {
      "id": 389,
      "list_id": 26,
      "creator_id": 38603,
      "entity_id": 64779194,
      "created_at": "2015-12-11T02:26:56.537-08:00",
    },
    ...
  ],
}
```

GET /organizations/{organization_id}

Fetches an organization with a specified {organization_id}.

PATH PARAMETERS

Parameter	Type	Required	Description
organization_id	integer	true	The unique ID of the organization that needs to be retrieved.
with_interaction_dates	boolean	false	When true, interaction dates will be present on the returned resources.
with_interaction_persons	boolean	false	When true, persons for each interaction will be returned. Used in conjunction with {with_interaction_dates}
with_opportunities	boolean	false	When true, opportunity IDs associated with this organization will be returned.

RETURNS

The organization object corresponding to the {organization_id}.

Create a New Organization

Example Request

```
curl -X POST "https://api.affinity.co/organizations" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"name": "Acme Corporation", "domain": "acme.co", "person_ids": [38706]}'
```

Example Response

```
{
  "id": 120611418,
  "name": "Acme Corporation",
  "domain": "acme.co",
  "domains": ["acme.co"],
  "global": false,
  "person_ids": [38706]
}
```

POST /organizations

Creates a new organization with the supplied parameters.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
name	string	true	The name of the organization.
domain	string	false	The domain name of the organization.
person_ids	integer[]	false	An array of unique identifiers of persons that the new organization will be associated with.

RETURNS

The organization resource that was just created by a successful request.

NOTES

If you are looking to add an existing organization to a list, please check the List Entries section of the API.

Update an Organization

Example Request

```
curl -X PUT "https://api.affinity.co/organizations/120611418" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"name": "Acme Corp.", "person_ids": [38706, 89734]}'
```

Example Response

```
{
  "id": 120611418,
  "name": "Acme Corp.",
  "domain": "acme.co",
  "domains": ["acme.co"],
  "global": false,
  "person_ids": [38706, 89734]
}
```

PUT /organizations/{organization_id}

Updates an existing organization with `organization_id` with the supplied parameters.

PATH PARAMETERS

Parameter	Type	Required	Description
organization_id	integer	true	The unique ID of the organization to be updated.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
name	string	false	The name of the organization.
domain	string	false	The domain name of the organization.
person_ids	integer[]	false	An array of unique identifiers of persons that the organization will be associated with.

RETURNS

The organization resource that was just updated through a successful request.

NOTES

- If you are looking to add an existing organization to a list, please check the List Entries section of the API.
- If you are trying to add a person to an organization, the existing values for `person_ids` must also be passed into the endpoint.

Delete an Organization

Example Request

```
curl "https://api.affinity.co/organizations/120611418" \  
-u :$APIKEY \  
-X "DELETE"
```

Example Response

```
{ "success": true }
```

`DELETE /organizations/{organization_id}`

Deletes an organization with a specified `organization_id`.

PATH PARAMETERS

Parameter	Type	Required	Description
organization_id	integer	true	The unique ID of the organization that needs to be deleted.

RETURNS

`{success: true}`.



NOTES

- An appropriate error will be returned if you are trying to delete a `global` organization.
- This will also delete all the field values, if any, associated with the organization. Such field values exist linked to either global or list-specific fields.

Get Global Organizations Fields

Example Request

```
curl "https://api.affinity.co/organizations/fields" -u :$APIKEY
```

Example Response

```
{  
  {  
    "id": 662,  
    "name": "Potential Users",  
    "value_type": 3,  
    "allows_multiple": false,  
    "dropdown_options": []  
  },  
  {  
    "id": 700,  
    "name": "Leads",  
    "value_type": 0,  
    "allows_multiple": true,  
    "dropdown_options": []  
  },  
  {  
    "id": 2988,  
    "name": "Last Funding Date",  
    "value_type": 4,  
    "allows_multiple": false,  
    "dropdown_options": []  
  },  
  ...  
}
```

`GET /organizations/fields`

Fetches an array of all the global fields that exist on organizations. If you aren't sure about what fields are, please read the Fields section first.

PARAMETERS

None.

RETURNS

An array of the fields that exist on all organizations for your team.

Opportunities

An opportunity in Affinity represents a potential future sale or deal for your team. It can have multiple people - your team's main points of contacts for the opportunity - and organization(s) associated with it. Opportunities are generally used to track the progress of and revenue generated from sales and deals in your pipeline with a specific organization.

Unlike people and organizations, an opportunity can only belong to a single list and, thus, does not have global fields. This list must be provided at the creation of the opportunity. If the list or list entry containing the opportunity gets deleted, then the opportunity subsequently gets deleted. If a user does not have permission to access a list with opportunities, the user cannot view any of those opportunities.



NOTES

- If you are looking to remove an opportunity from a list, note that deleting an opportunity is the same as removing an opportunity from a list because an opportunity can only exist on a single list with a single list entry.
- If you are looking to modify a field value (one of the cells on Affinity's spreadsheet), please check out the Field Values section of the API.

The Opportunity Resource

Example Response

```
{
  "id": 117,
  "name": "Affinity Opportunity",
  "person_ids": [38706],
  "organization_ids": [21442],
  "list_entries": [
    {
      "id": 442313,
      "creator_id": 38706,
      "list_id": 4974,
      "entity_id": 117,
      "entity_type": 8,
      "created_at": "2018-03-03T23:02:46.412-08:00"
    }
  ]
}
```

Each opportunity object has a unique `id`. It also has a `name`, `persons_ids` and `organization_ids` associated with it, and an array of `list_entries`. An important attribute to note is `list_entries`. Because an opportunity can only belong to a single list, `list_entries` can only have one list entry.

Of course, all fields can be modified and the opportunity can be deleted.

Attribute	Type	Description
id	integer	The unique identifier of the opportunity object.
name	string	The name of the opportunity (see below).
person_ids	number[]	An array of unique identifiers for persons that are associated with the opportunity
organization_ids	number[]	An array of unique identifiers for organizations that are associated with the opportunity
list_entries	ListEntry[]	An array of list entry resources associated with the opportunity (at most 1 list entry). If the user corresponding to the API key does not have access to the list, this will be empty.

Search for Opportunities

GET /opportunities

Searches your team's data and fetches all the opportunities that meet the search criteria. The search term can be a part of an opportunity's name.

This result is paginated. An initial request returns an object with two fields: `opportunities` and `next_page_token`. `opportunities` contains an array of opportunity resources. The value of `next_page_token` should be sent as the query parameter `page_token` in another request to retrieve the next page of results. While paginating through results, each request must have identical query parameters other than the changing `page_token`. Otherwise, an `Invalid page_token variable` error will be returned.

The absence of a `next_page_token` indicates that all the records have been fetched, though its presence does not necessarily indicate that there are *more* resources to be fetched. The next page may be empty (but then `next_page_token` would be `null` to confirm that there are no more resources).

Example Request

```
curl "https://api.affinity.co/opportunities?term=affinity" -u :$APIKEY
```

Example Response

```
{
  "opportunities": [
    {
      "id": 121,
      "name": "Affinity Opportunity",
      "person_ids": [3526824],
      "organization_ids": [128367168],
      "list_entries": [
        {
          "id": 442313,
          "creator_id": 1124736,
          "list_id": 4974,
          "entity_id": 121,
          "entity_type": 8,
          "created_at": "2018-03-03T23:02:46.412-08:00"
        }
      ],
    }
  ],
}
```

```
    },
  },
  {
    "id": 150,
    "name": "Affinity Opportunity 2",
    "person_ids": [5326214],
    "organization_ids": [128367168],
    "list_entries": [
      {
        "id": 442421,
        "creator_id": 1124736,
        "list_id": 4974,
        "entity_id": 150,
        "entity_type": 8,
        "created_at": "2018-03-08T23:02:46.412-08:00"
      }
    ],
  },
  ...
],
"next_page_token": "eyJwYXJhbXM10nsidGVybSI6Ij9LCjwYwdX3NpemU10JUsIm9mZnNldCI6MTB9",
}
```

Example pagination

```
# To get the second page of results, issue the following query:
curl "https://api.affinity.co/opportunities?term=affinity&page_token=eyJwYXJhbXM10nsidGVybSI6Ij9LCjwYwdX3NpemU10JUsIm9mZnNldCI6MTB9" -u :$APIKEY
```

QUERY PARAMETERS

Parameter	Type	Required	Description
term	string	false	A string used to search all the opportunities in your team's database. This could be part of a name.
page_size	number	false	How many results to return per page. (Default is the maximum value of 500.)
page_token	string	false	The <code>next_page_token</code> from the previous response required to retrieve the next page of results.

RETURNS

An object with two fields: `opportunities` and `next_page_token`. `opportunities` maps to an array of all the opportunity resources that match the search criteria. `next_page_token` includes a token to be sent along with the next request as the `page_token` parameter to fetch the next page of results.

Get a Specific Opportunity

Example Request

```
curl "https://api.affinity.co/opportunities/117" -u :$APIKEY
```

Example Response

```
{
  "id": 117,
  "name": "Affinity Opportunity",
  "person_ids": [3526824],
  "organization_ids": [128367168],
  "list_entries": [
    {
      "id": 442313,
      "creator_id": 1124736,
      "list_id": 4974,
      "entity_id": 117,
      "entity_type": 8,
      "created_at": "2018-03-03T23:02:46.412-08:00"
    }
  ],
}
```

`GET /opportunities/{opportunity_id}`

Fetches an opportunity with a specified `opportunity_id`.

PATH PARAMETERS

Parameter	Type	Required	Description
opportunity_id	integer	true	The unique ID of the opportunity that needs to be retrieved.

RETURNS

The opportunity object corresponding to the `opportunity_id`.

Create a New Opportunity

Example Request

```
curl -X POST "https://api.affinity.co/opportunities" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"name": "Penny Opportunity", "list_id": 6645, "person_ids": [38706], "organization_ids": [21442]}'
```

Example Response

```
{
  "id": 120611418,
  "name": "Penny Opportunity",
  "person_ids": [38706],
  "organization_ids": [21442],
  "list_entries": [
    {
      "id": 999886,
      "creator_id": 1127776,
      "list_id": 6645,
      "entity_id": 50,
      "entity_type": 8,
      "created_at": "2018-03-07T16:32:35.794-08:00"
    }
  ]
}
```

POST /opportunities

Creates a new opportunity with the supplied parameters.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
name	string	true	The name of the opportunity.
list_id	integer	true	An unique identifier of the list that the new opportunity will be associated with. This list must be of type opportunity.
person_ids	integer[]	false	An array of unique identifiers of persons that the new opportunity will be associated with.
organization_ids	integer[]	false	An array of unique identifiers of organizations that the new opportunity will be associated with.

RETURNS

The opportunity resource that was just created by a successful request (without `person_ids` and `organization_ids`).

Update an Opportunity

Example Request

```
curl -X POST "https://api.affinity.co/opportunities/120611418" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"name": "Penny Opp", "person_ids": [38706, 89734]}'
```

Example Response

```
{
  "id": 120611418,
  "name": "Penny Opp",
  "person_ids": [38706, 89734],
  "organization_ids": [21442],
  "list_entries": [
    {
      "id": 999886,
      "creator_id": 1127776,
      "list_id": 6645,
      "entity_id": 50,
      "entity_type": 8,
      "created_at": "2018-03-07T16:32:35.794-08:00"
    }
  ]
}
```

PUT /opportunities/{opportunity_id}

Updates an existing opportunity with `opportunity_id` with the supplied parameters.

PATH PARAMETERS


Parameter	Type	Required	Description
opportunity_id	integer	true	The unique ID of the opportunity to be updated.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
name	string	false	The name of the opportunity.
person_ids	integer[]	false	An array of unique identifiers of persons that the opportunity will be associated with.
organization_ids	integer[]	false	An array of unique identifiers of organizations that the opportunity will be associated with.

RETURNS

The opportunity resource that was just updated through a successful request.



NOTES

- If you are trying to add a person to an opportunity, the existing values for `person_ids` must also be passed into the endpoint.
- If you are trying to add an organization to an opportunity, the existing values for `organization_ids` must also be passed into the endpoint.

Delete an Opportunity

Example Request

```
curl "https://api.affinity.co/opportunities/120611418" \  
-u :$APIKEY \  
-X "DELETE"
```

Example Response

```
{ "success": true }
```

`DELETE /opportunities/{opportunity_id}`


Deletes an opportunity with a specified `opportunity_id`.

PATH PARAMETERS

Parameter	Type	Required	Description
opportunity_id	integer	true	The unique ID of the opportunity that needs to be deleted.

RETURNS

```
{success: true}
```



NOTE

This will also delete all the field values, if any, associated with the opportunity.

Interactions

The interactions API allows you to manage interactions.

The Interactions Resource

Different types of interactions have different interaction resources. Note the combination of ID and type for an interaction is unique.

Example Response

```
# Meeting/Call type  
{  
  "date": "2022-02-22T11:15:29.758-08:00",  
  "id": 3007,  
  "attendees": [  
    "john@affinity.co",  
    "yen@alice.com"  
  ],  
  "start_time": "2022-02-22T11:15:29.758-08:00",  
  "end_time": null,  
  "updated_at": null,  
  "manual_creator_id": 2,  
  "title": "Manually logged event",  
  "type": 0,  
  "notes": [  
    7  
  ],  
  "persons": [  
    {  
      "id": 443,  
      "type": 1,  
      "first_name": "John",  
      "last_name": "Doe",  
      "primary_email": "john@affinity.co",  
      "emails": [  
        "john@affinity.co"  
      ]  
    },  
    {  
      "id": 2021,  
      "type": 0,  
      "first_name": "Alice",  
      "last_name": "Yen",  
      "primary_email": "yen@alice.com",  
      "emails": [  
        "yen@alice.com"  
      ]  
    }  
  ]  
}
```

```
    }
  }

  # Chat message type
  {
    "id": 7267,
    "date": "2022-02-22T11:50:20.126-08:00",
    "direction": 0,
    "manual_creator_id": 443,
    "persons": [
      {
        "id": 443,
        "type": 1,
        "first_name": "John",
        "last_name": "Doe",
        "primary_email": "john@affinity.co",
        "emails": [
          "john@affinity.co"
        ]
      },
      {
        "id": 2021,
        "type": 0,
        "first_name": "Alice",
        "last_name": "Yen",
        "primary_email": "yen@alice.com",
        "emails": [
          "yen@alice.com"
        ]
      }
    ],
    "type": 2,
    "notes": [
      7462534
    ]
  }

  # Email type
  {
    "date": "2021-02-04T09:43:39.717-08:00",
    "id": 417,
    "subject": "John <-> Alice",
    "type": 3,
    "from": {
      "id": 443,
      "type": 1,
      "first_name": "John",
      "last_name": "Doe",
      "primary_email": "john@affinity.co",
      "emails": [
        "john@affinity.co"
      ]
    },
    "to": [
      {
        "id": 2021,
        "type": 0,
        "first_name": "Alice",
        "last_name": "Yen",
        "primary_email": "yen@alice.com",
        "emails": [
          "yen@alice.com"
        ]
      }
    ],
    "cc": [],
    "direction": 0
  }
}
```

Attribute	Type	Description
id	integer	The identifier of the interaction. Note the ID is not unique across different types of interactions.
manual_creator_id	integer	The unique identifier of the person object who created the interaction.
persons	object[]	The list of persons who are associated with the interaction.
type	integer	The type of interaction. This can be one of many values, as described in the table below.
logging_type	integer	The logging type of interaction.
attendees	string[]	The list of person emails that attended the event.
date	datetime	The time when the interaction happens.
start_time	datetime	The time when event starts.
end_time	datetime	The time when event ends.
title	string	The title of event.
notes	integer[]	The list of note IDs that are associated with the event.
direction	integer	The direction of the interaction. Only relevant for <code>(type == 2)</code> and <code>(type == 3)</code> . This can be one of two values, as described in the table below.

INTERACTIONS TYPES

Type	Value	Description
Meeting	0	Type specifying a meeting interaction.
Call	1	Type specifying a call interaction.
Chat message	2	Type specifying a chat message interaction.

Type	Value	Description
Email	3	Type specifying a email interaction.

DIRECTION TYPES

Type	Value	Description
Sent	0	The interaction is sent by an internal person.
Received	1	The interaction is sent by an external person.

LOGGING TYPES

Type	Value	Description
All	0	Type specifying both automatically logged interactions and manually logged interactions.
Manual	1	Type specifying only manually logged interactions

Get All Interactions

Example Request

```
curl "https://api.affinity.co/interactions?organization_id=1609909&type=3&start_time=2021-01-01T07:00:00Z&end_time=2021-02-25T21:00:00Z" -u :$APIKEY
```

Example Response

```
{
  "emails": [
    {
      "date": "2021-02-04T09:43:39.717-08:00",
      "id": 417,
      "subject": "John <=> Alice",
      "type": 3,
      "from": {
        "id": 443,
        "type": 1,
        "first_name": "John",
        "last_name": "Doe",
        "primary_email": "john@affinity.co",
        "emails": ["john@affinity.co"]
      },
      "to": [
        {
          "id": 2021,
          "type": 0,
          "first_name": "Alice",
          "last_name": "Yen",
          "primary_email": "yen@alice.com",
          "emails": ["yen@alice.com"]
        }
      ],
      "cc": [],
      "direction": 0
    },
    {
      "date": "2021-02-02T12:55:19.801-08:00",
      "id": 265,
      "subject": "Alfred <=> Alice",
      "type": 3,
      "from": {
        "id": 1012,
        "type": 1,
        "first_name": "Alfred",
        "last_name": "Hickey",
        "primary_email": "alfredhickeyshmcneax@affinity.co",
        "emails": ["alfredhickeyshmcneax@affinity.co"]
      },
      "to": [
        {
          "id": 2021,
          "type": 0,
          "first_name": "Alice",
          "last_name": "Yen",
          "primary_email": "yen@alice.com",
          "emails": ["yen@alice.com"]
        }
      ],
      "cc": [],
      "direction": 0
    }
  ],
  "next_page_token": "eyJwYXJhbiM0nsiY29tcGxldGVyX2lkIjpuZDwxsLCJvd25lc19pZC16bnVsbCwiY3JlYXRvc19c"
}
```

```
GET /interactions
```

Returns all interactions that meet the query parameters.

QUERY PARAMETERS

Parameter	Type	Required	Description
type	integer	true	The type of interactions to be retrieved.

Parameter	Type	Required	Description
logging_type	integer	false	The logging type of interactions to be retrieved.
person_id	integer	custom*	A unique identifier that represents an external Person that was involved in the interactions.
organization_id	integer	custom*	A unique identifier that represents an Organization that was involved in the interactions.
opportunity_id	integer	custom*	A unique identifier that represents an Opportunity that was involved in the interactions.
internal_person_id	integer	false	A unique identifier that represents an internal person that was involved in the interactions. Thi parameter cannot be used to find all of an internal person's interactions. It only filters down the set of interactions related to the given external person, organization, or opportunity — to the interactions in which the given internal person was involved.
direction	integer	false	The direction of the interactions. Only applies to chat message and email.
start_time	string	true	A string (formatted according to ISO 8601) representing the start of the time range for the interactions to be retrieved. Must be before <code>end_time</code> . Date range must not exceed one year.
end_time	string	true	A string (formatted according to ISO 8601) representing the end of the time range for the interactions to be retrieved. Must be after <code>start_time</code> . Date range must not exceed one year.
page_size	number	false	How many results to return per page. (Default is the maximum value of 100.)
page_token	string	false	The <code>next_page_token</code> from the previous response required to retrieve the next page of results.

NOTES

- One `person_id`, `organization_id` or `opportunity_id` must be specified per request.
- Only one `type` of interaction can be specified per request.
- An error will be returned if an internal person is used in the `person_id` parameter.

RETURNS

An array of all the interactions filtered by query parameters. `next_page_token` includes a token to be sent along with the next request as the `page_token` parameter to fetch the next page of results.

NOTE

Interactions in the API response may not be visible on a CRM profile page if they have the exact same timestamp as another interaction.

Get a Specific Interaction

Example Request

```
# Returns the interactions with the specified `id`
curl "https://api.affinity.co/interactions/15326?type=2" -u :$APIKEY
```

Example Response

```
{
  "id": 7267,
  "date": "2022-02-22T11:50:20.126-08:00",
  "direction": 0,
  "manual_creator_id": 64056952,
  "persons": [
    {
      "id": 443,
      "type": 1,
      "first_name": "John",
      "last_name": "Doe",
      "primary_email": "john@affinity.co",
      "emails": ["john@affinity.co"]
    }
  ],
  {
    "id": 2021,
    "type": 0,
    "first_name": "Alice",
    "last_name": "Yen",
    "primary_email": "yen@alice.com",
    "emails": ["yen@alice.com"]
  }
],
  "type": 2,
  "notes": [7462534]
}
```

GET /interactions/{id}

Gets the details for a specific interaction given the existing ID and type.

PATH PARAMETERS

Parameter	Type	Required	Description
id	integer	true	The identifier of the interaction object to be retrieved.
type	integer	true	The type of interaction to be retrieved.

RETURNS

The details of the interaction corresponding to the ID and type specified in the path parameter. An appropriate error is returned if an invalid ID and type are supplied.

Create a New Interaction

Example Request

```
curl -X POST "https://api.affinity.co/interactions" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"person_ids': [443, 2021], "type": 0, "date": "2021-02-07T10:56:29.546-08:00", "content": "Create interaction from external API."}'
```

Example Response

```
{
  "date": "2021-02-07T10:56:29.546-08:00",
  "id": 3007,
  "attendees": ["john@affinity.co", "yen@alice.com"],
  "start_time": "2021-02-07T10:56:29.546-08:00",
  "end_time": null,
  "updated_at": null,
  "manual_creator_id": 443,
  "title": "Manually logged event",
  "type": 0,
  "notes": [7],
  "persons": [
    {
      "id": 443,
      "type": 1,
      "first_name": "John",
      "last_name": "Doe",
      "primary_email": "john@affinity.co",
      "emails": ["john@affinity.co"]
    },
    {
      "id": 2021,
      "type": 0,
      "first_name": "Alice",
      "last_name": "Yen",
      "primary_email": "yen@alice.com",
      "emails": ["yen@alice.com"]
    }
  ]
}
```

POST /interactions

Creates a new interaction with the supplied parameters.

PATH PARAMETERS

Parameter	Type	Required	Description
type	integer	true	The type of interaction to be created. Only meetings (<code>type == 0</code>), calls (<code>type == 1</code>) and chat messages (<code>type == 2</code>) are supported.
person_ids	integer[]	true	The list of person IDs that are associated with the event. At least one internal person ID must be included (see Person Resource for more details on internal persons).
content	string	true	The string containing the content of the new interaction.
direction	integer	false	The direction of the chat message to be created. Only applies to chat messages (<code>type == 2</code>).
date	string	true	A string (formatted according to ISO 8601) representing the date time the interaction occurred.

RETURNS

The interaction created through this request.

NOTE

When creating an interaction using the API, the user corresponding to the API token will be the creator by default.

Update an Interaction

Example Request

```
curl -X PUT "https://api.affinity.co/interactions/3007" \
-u :$APIKEY \
```

```
-H "Content-Type: application/json" \  
-d '{"type": 0, "date": "2022-02-07T10:56:29.546-08:00", "content": "Update interaction from external API."}'
```

Example Response

```
{  
  "date": "2022-02-07T10:56:29.546-08:00",  
  "id": 3007,  
  "attendees": ["john@affinity.co", "yen@alice.com"],  
  "start_time": "2022-02-07T10:56:29.546-08:00",  
  "end_time": null,  
  "updated_at": null,  
  "manual_creator_id": 443,  
  "title": "Manually logged event",  
  "type": 0,  
  "notes": [7],  
  "persons": [  
    {  
      "id": 443,  
      "type": 1,  
      "first_name": "John",  
      "last_name": "Doe",  
      "primary_email": "john@affinity.co",  
      "emails": ["john@affinity.co"]  
    },  
    {  
      "id": 2021,  
      "type": 0,  
      "first_name": "Alice",  
      "last_name": "Yen",  
      "primary_email": "yen@alice.com",  
      "emails": ["yen@alice.com"]  
    }  
  ]  
}
```

PUT /interactions/{id}

Updates the content of an existing interaction with the supplied parameters.

NOTE

Updating the content of an interaction using the API is not supported when mentioned IDs are in the content.

PATH PARAMETERS

Parameter	Type	Required	Description
id	integer	true	The ID of the interaction to be updated.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
type	integer	true	The type of interaction to be updated.
person_ids	integer[]	true	The list of person IDs that are associated with the event.
content	string	false	The string containing the content of the interaction.
date	string	false	A string (formatted according to ISO 8601) representing the date time the interaction occurred.

RETURNS

The interaction object that was just updated through this request.

Delete an Interaction

Example Request

```
curl "https://api.affinity.co/interactions/22984?type=0" \  
-u :$APIKEY \  
-X "DELETE"
```

Example Response

```
{ "success": true }
```

DELETE /interactions/{id}

Deletes the interaction with the specified `id`.

PATH PARAMETERS

Parameter	Type	Required	Description
id	integer	true	The unique ID of the interaction to be deleted.
type	integer	true	The type of interaction to be deleted.

RETURNS

```
{success: true}
```

Relationship Strengths

Affinity calculates relationship strengths between internal and external people based on previous interactions (emails, logged calls, calendar events).

A higher numeric value means that the relationship strength between the two people is higher. Emails, calls, and meetings don't tell the whole story of a relationship, so treat the strength as an estimate.

Relationship strengths are usually recalculated daily.

The Relationship Strength Resource

Example Response

```
{
  "external_id": 1234,
  "internal_id": 2345,
  "strength": 0.5
}
```

The relationship strength resource specifies the two Persons the relationship strength is about, along with the actual value.

There may be at most one resource for every (internal, external) pair. If an internal and external person have no previous interactions, there may be no relationship strength resource for the pair.

Attribute	Type	Description
internal_id	integer	The internal person associated with this relationship strength.
external_id	integer	The external person associated with this relationship strength.
strength	float	The actual relationship strength. This is currently a number between 0 and 1, but may change in the future.

Get Relationship Strength

GET /relationships-strengths

Example Request

```
# Returns an array relationship strengths matching the criteria.
curl "https://api.affinity.co/relationships-strengths?external_id=1234&internal_id=2345" -u :$APIKEY
```

Example Response

```
[
  {
    "internal_id": 1234,
    "external_id": 2345,
    "strength": 0.5
  }
]
```

Example Request

```
# Returns an array relationship strengths matching the criteria.
curl "https://api.affinity.co/relationships-strengths?external_id=1234" -u :$APIKEY
```

Example Response

```
[
  {
    "external_id": 1234,
    "internal_id": 2345,
    "strength": 0.5,
  },
  {
    "external_id": 1234,
    "internal_id": 3456,
    "strength": 0.9,
  },
  ...
]
```

QUERY PARAMETERS

Parameter	Type	Required	Description
internal_id	integer	false	The internal person associated with this relationship strength.
external_id	integer	true	The external person associated with this relationship strength.

RETURNS

An array of the relationship strengths matching the criteria.

If an `internal_id` is given, returns the relationship strength between the given internal and external person. The returned list will have a length of 1 or 0 (if no relationship strength is available between the two people).

If no `internal_id` is given, returns the relationship strengths between all internal people and the given external person. The results are not guaranteed to be sorted in any way.

Notes

Just like field values, notes are used to keep track of state on an entity. They could be notes manually taken from due diligence, a meeting, or a call. Or, notes could be used to store logged activity from a prospect's visit to your website.

The Note Resource

Example Response

```
{
  "id": 22984,
  "creator_id": 860197,
  "person_ids": [38708, 24809, 89203, 97304],
  "associated_person_ids": [38708, 24809],
  "interaction_person_ids": [89203, 97304],
  "interaction_id": 114,
  "interaction_type": 0,
  "is_meeting": true,
  "mentioned_person_ids": [49817, 78624],
  "organization_ids": [64779194],
  "opportunity_ids": [117],
  "parent_id": null,
  "content": "Had a lunch meeting with Jane and John today. They are looking to invest.",
  "type": 0,
  "created_at": "2017-03-28T00:38:41.275-08:00",
  "updated_at": "2017-04-03T00:22:25.612-08:00"
}
```

A note object contains `content`, which is a string containing the note body. In addition, a note can be associated with multiple people, organizations, or opportunities. Each person, organization, or opportunity will display linked notes on their profiles.

Attribute	Type	Description
id	integer	The unique identifier of the note object.
creator_id	integer	The unique identifier of the person object who created the note.
person_ids	integer[]	An array containing the unique identifiers for all the persons relevant to the note. This is the union of <code>associated_person_ids</code> and <code>interaction_person_ids</code> .
associated_person_ids	integer[]	An array containing the unique identifiers for the persons directly associated with the note.
interaction_person_ids	integer[]	An array containing the unique identifiers for the persons on the interaction the note is attached to, if any. This will be an empty array if there is no such interaction or there aren't any attendees.
interaction_id	integer	The unique identifier of the interaction the note is attached to, if any.
interaction_type	integer	The type of the interaction the note is attached to, if any.
is_meeting	boolean	True if the note is attached to a meeting or a call.
mentioned_person_ids	integer[]	An array containing the unique identifiers for the persons who are @ mentioned in the note. If there are no mentioned persons, this will be an empty array.
organization_ids	integer[]	An array of unique identifiers of organization objects that are associated with the note.
opportunity_ids	integer[]	An array of unique identifiers of opportunity objects that are associated with the note.
parent_id	integer	The unique identifier of the note that this note is a reply to. If this field is <code>null</code> , the note is not a reply. Note replies will never have values for <code>opportunity_ids</code> , <code>person_ids</code> , and <code>organization_ids</code> . Only the parent note is associated with an entity. You can fetch the parent note resource to identify the root entity.
content	string	The string containing the content of the note.
type	integer	The type of the note. The supported types for new note creation via API are 0 and 2, which represent plain text and HTML notes, respectively. Notes with type 3 are AI meeting summaries generated by Affinity Notetaker, and can only be created by the system. Users may also encounter existing notes with type 1, which represents notes created directly from email messages (this creation method is now deprecated).
created_at	datetime	The string representing the time when the note was created.
updated_at	datetime	The string representing the last time the note was updated.

FORMATTING `content` AS HTML

Example `content` payload

```
<p>
  This is normal text. <strong> But this is bold! </strong>
  <span style="color: rgb(255, 0, 0);"> And this is red! </span>
</p>
```

If you would like to format your notes, create them with `type` equal to `2`, as described in Create a New Note. All currently supported formatting options are described below.

Style	Formatting	Example
Paragraph	<code><p></code> element	<code><p>I am a paragraph!</p></code>
Bold	<code></code> element	<code><p>This text is bold</p></code>
Italics	<code></code> element	<code><p>This text is italicized</p></code>
Underlined	<code><u></code> element	<code><p><u>This text is underlined</u></p></code>
Ordered lists	<code></code> + <code></code> elements	<code>First itemSecond item</code>
Unordered lists	<code></code> + <code></code> elements	<code>An itemAnother item</code>
Background color	<code>background-color</code> inline style	<code><p> The background is red</p></code>
Font color	<code>color</code> inline style	<code><p> The text color is red</p></code>

Get All Notes

Example Request

```
curl "https://api.affinity.co/notes" -u :$APIKEY
```

Example Response

```
{
  {
    "id": 22984,
    "creator_id": 860197,
    "person_ids": [38706,89734],
    "is_meeting": false,
    "mentioned_person_ids": [49017, 78624],
    "organization_ids": [64779194],
    "opportunity_ids": [117],
    "parent_id": null,
    "content": "Had a lunch meeting with Jane ... ",
    "type": 0,
    "created_at": "2017-03-28T00:38:41.275-08:00",
    "updated_at": "2017-04-03T00:22:25.612-08:00"
  },
  {
    "id": 22983,
    "creator_id": 860196,
    "person_ids": [],
    "is_meeting": false,
    "mentioned_person_ids": [7237],
    "organization_ids": [64779194],
    "opportunity_ids": [115],
    "parent_id": null,
    "content": "Had a **lunch meeting** @ Google ... ",
    "type": 2,
    "created_at": "2017-03-28T00:38:41.275-08:00",
    "updated_at": null
  },
  ...
}
```

GET /notes

Returns all notes attached to a `person`, `organization`, `opportunity`.

QUERY PARAMETERS

Parameter	Type	Required	Description
person_id	integer	false	A unique identifier that represents a Person that was tagged in the retrieved notes.
organization_id	integer	false	A unique identifier that represents an Organization that was tagged in the retrieved notes.
opportunity_id	integer	false	A unique identifier that represents an Opportunity that was tagged in the retrieved notes.
creator_id	integer	false	A unique identifier that represents an Affinity user whose created notes should be retrieved.
page_size	number	false	How many results to return per page. (Default is the maximum value of 500.)
page_token	string	false	The <code>next_page_token</code> from the previous response required to retrieve the next page of results.

RETURNS

An array of all the note resources available to you.

Get a Specific Note

Example Request

```
# Returns the note with the specified 'note_id'
curl "https://api.affinity.co/notes/22984" -u :$APIKEY
```

Example Response

```
{
  "id": 22984,
  "creator_id": 860197,
  "person_ids": [38708, 24809, 89203, 97304],
  "associated_person_ids": [38708, 24809],
  "interaction_person_ids": [89203, 97304],
  "interaction_id": 114,
  "interaction_type": 0,
  "is_meeting": true,
  "mentioned_person_ids": [49817, 78624],
  "organization_ids": [64779194],
  "opportunity_ids": [117],
  "parent_id": null,
  "content": "Had a lunch meeting with Jane ... ",
  "type": 0,
  "created_at": "2017-03-28T00:38:41.275-08:00",
  "updated_at": "2017-04-03T00:22:25.612-08:00",
},
```

GET /notes/{note_id}

Gets the details for a specific note given the existing note id.

PATH PARAMETERS

Parameter	Type	Required	Description
note_id	integer	true	The unique identifier of the note object to be retrieved.

RETURNS

The details of the note resource corresponding to the note ID specified in the path parameter. An appropriate error is returned if an invalid note is supplied.

Create a New Note

Example Request (JSON)

```
curl -X POST "https://api.affinity.co/notes" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"person_ids": [38706, 624289], "organization_ids": [120611418], "opportunity_ids": [167], "content": "Had a lunch meeting with Jane and John today. They want to invest in Acme Corp."}'
```

Example Request (Form)

```
curl -X POST "https://api.affinity.co/notes" \
-u :$APIKEY \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "person_ids[]=38706&person_ids[]=624289&organization_ids[]=120611418&opportunity_ids[]=167&content=Had a lunch meeting with Jane and John today. They want to invest in Acme Corp."
```

Example Response

```
{
  "id": 22985,
  "creator_id": 860197,
  "person_ids": [38708, 24809, 89203, 97304],
  "associated_person_ids": [38708, 24809],
  "interaction_person_ids": [89203, 97304],
  "interaction_id": 114,
  "interaction_type": 0,
  "is_meeting": true,
  "mentioned_person_ids": [],
  "organization_ids": [64779194],
  "opportunity_ids": [117],
  "parent_id": null,
  "content": "Had a lunch meeting with Jane ... ",
  "type": 0,
  "created_at": "2017-03-28T00:38:41.275-08:00",
  "updated_at": null
}
```

Example Request Creating An HTML-Type Note (JSON)

```
curl -X POST "https://api.affinity.co/notes" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"person_ids": [38706, 624289], "organization_ids": [120611418], "opportunity_ids": [167], "type": 2, "content": "Had a <strong>lunch meeting</strong> with Jane and John today. They want to invest in Acme Corp."}'
```

Example Request Creating An HTML-Type Note (Form)

```
curl -X POST "https://api.affinity.co/notes" \
-u :$APIKEY \
-H "Content-Type: application/x-www-form-urlencoded" \
-d "person_ids[]=38706&person_ids[]=624289&organization_ids[]=120611418&opportunity_ids[]=167&type=2&content=Had a <strong>lunch meeting</strong> with Jane and John today. They want to invest in Acme Corp."
```

Example Response

```
{
  "id": 22986,
  "creator_id": 860197,
  "person_ids": [38708, 24809, 89203, 97304],
```

```
{
  "associated_person_ids": [38708, 24809],
  "interaction_person_ids": [89203, 97304],
  "interaction_id": 114,
  "interaction_type": 0,
  "is_meeting": true,
  "mentioned_person_ids": [],
  "organization_ids": [64779194],
  "opportunity_ids": [117],
  "parent_id": null,
  "content": "Had a **lunch meeting** with Jane ... ",
  "type": 2,
  "created_at": "2017-03-28T00:38:41.275-08:00",
  "updated_at": null
}
```

Example Request with parent_id

```
curl -X POST "https://api.affinity.co/notes" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"person_ids": [38706], "organization_ids": [120611418], "parent_id": 22984, "content": "This is a <strong>reply </strong>to the previous note.", "type":2}'
```

Example Response

```
{
  "id": 22987,
  "creator_id": 860197,
  "person_ids": [],
  "associated_person_ids": [],
  "interaction_person_ids": [],
  "interaction_id": null,
  "interaction_type": null,
  "is_meeting": false,
  "mentioned_person_ids": [],
  "organization_ids": [],
  "opportunity_ids": [],
  "parent_id": 22984,
  "content": "This is a reply to the previous note. Because a parent_id was supplied, the supplied person_ids, organization_ids, and opportunity_ids were ignored.",
  "type": 2,
  "created_at": "2017-03-29T00:38:41.275-08:00",
  "updated_at": null
}
```

POST /notes

Creates a new note with the supplied parameters.

Set the `type` parameter to 2 to create an HTML note. See here for more information on the sorts of rich text formatting we support in notes. Please note that `<a>` tags aren't currently clickable inside the Affinity web app — though full links are.

It is possible to create a **reply** to an existing note by setting `parent_id`. The parent note should not have a `parent_id` itself. It is possible for a single parent note to have multiple reply notes — They just get displayed in order of creation. `opportunity_ids`, `person_ids`, and `organization_ids` will be ignored when a `parent_id` is provided.

PATH PARAMETERS

Parameter	Type	Required	Description
content	string	true	The string containing the content of the new note. See formatting options for HTML support.
person_ids	integer[]	custom*	An array of unique identifiers of person objects that are associated with the new note.
organization_ids	integer[]	custom*	An array of unique identifiers of organization objects that are associated with the new note.
opportunity_ids	integer[]	custom*	An array of unique identifiers of opportunity objects that are associated with the new note.
type	integer	false	The type of the new note. Defaults to 0. The types 0 and 2 represent plain text and HTML notes, respectively. If submitting as HTML, see the formatting options.
parent_id	integer	custom*	The unique identifier of the note to which the newly created note should reply. See comments above.
creator_id	integer	false	The ID of a Person resource who should be recorded as the author of the note. Must be a person who can access Affinity. If not provided the creator defaults to the owner of the API key.
created_at	datetime	false	A string (formatted according to ISO 8601) representing the creation time to be recorded for the note. If not provided, defaults to the current time. Does not support times in the future.

RETURNS

The note resource created through this request.

NOTE

At least one `person_id`, `organization_id`, `opportunity_id`, or `parent_id` must be specified to the endpoint.

NOTE

When creating a note using the API, the user corresponding to the API token will be the creator by default.



NOTE

To ensure that `content` gets encoded properly, it is recommended to submit as either `application/json` or `application/x-www-form-urlencoded` instead of query parameters.

Update a Note

Example Request

```
curl -X PUT "https://api.affinity.co/notes/22984" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"content": "Had another meeting with Jane and John today"}'
```

Example Response

```
{
  "id": 22984,
  "creator_id": 860197,
  "person_ids": [38708, 24809, 89203, 97304],
  "associated_person_ids": [38708, 24809],
  "interaction_person_ids": [89203, 97304],
  "interaction_id": 114,
  "interaction_type": 0,
  "is_meeting": true,
  "mentioned_person_ids": [49817, 78624],
  "organization_ids": [64779194],
  "opportunity_ids": [117],
  "parent_id": null,
  "content": "Had another meeting with Jane ... ",
  "type": 0,
  "created_at": "2017-03-28T00:38:41.275-08:00",
  "updated_at": "2017-04-03T00:22:25.612-08:00"
}
```

PUT /notes/{notes_id}

Updates the content of an existing note with `note_id` with the supplied `content` parameter.

PATH PARAMETERS


Parameter	Type	Required	Description
note_id	integer	true	The unique ID of the note that needs to be updated.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
content	string	true	The new content of the note.

RETURNS

The note object that was just updated through this request.



NOTE

You cannot update the content of a note that has mentions. You also cannot update the content of a note associated with an email. You cannot update the type of a note.

Delete a Note

Example Request

```
curl "https://api.affinity.co/notes/22984" \
-u :$APIKEY \
-X "DELETE"
```

Example Response

```
{ "success": true }
```

DELETE /notes/{note_id}

Deletes a note with a specified `note_id`.

PATH PARAMETERS

Parameter	Type	Required	Description
note_id	integer	true	The unique ID of the note that needs to be deleted.

RETURNS

{success: true}.



NOTE

An appropriate error will be returned if you are not the creator of the note you are trying to delete.

Entity Files

Entity files are files uploaded to a relevant entity. Possible files, for example, would be a pitch deck for an opportunity or a physical mail correspondence for a person.

The Entity File Resource

Example Response

```
{
  "id": 43212,
  "name": "JohnDoeFriends.csv",
  "size": 993,
  "person_id": 10,
  "organization_id": null,
  "opportunity_id": null,
  "created_at": "2011-01-25T09:59:35.288-08:00",
  "uploader_id": 10
}
```

Attribute	Type	Description
id	integer	The unique identifier of the entity file object.
name	string	The name of the file.
size	string	The size of the file in bytes.
person_id	integer	The unique identifier of the person corresponding to the entity file.
organization_id	integer	The unique identifier of the organization corresponding to the entity file.
opportunity_id	integer	The unique identifier of the opportunity corresponding to the entity file.
uploader_id	integer	The unique identifier of the user who created the entity file.
created_at	datetime	The time when the entity file was created.

Get All Files

Example Request

```
curl "https://api.affinity.co/entity-files" -u :$APIKEY
```

Example Response

```
{
  "entity_files": [
    {
      "id": 43212,
      "name": "JohnDoeFriends.csv",
      "size": 993,
      "person_id": 142,
      "organization_id": null,
      "opportunity_id": null,
      "created_at": "2011-01-25T09:59:35.288-08:00",
      "uploader_id": 10
    },
    {
      "id": 131,
      "name": "Import.csv",
      "size": 227224,
      "person_id": 38654,
      "organization_id": null,
      "opportunity_id": null,
      "created_at": "2019-01-13T12:52:51.539-08:00",
      "uploader_id": 101
    },
    ...
  ]
}
```

```
  ],
  "next_page_token": "eyJwYXJhbXMiOnt9LCJwYmVudXNpemU0JWwMcWib2Zmc2V0Ijo1MD89",
}
```

Example pagination

```
# To get the second page of results, issue the following query:
curl "https://api.affinity.co/entity-files?page_token=eyJwYXJhbXMiOnt9LCJwYmVudXNpemU0JWwMcWib2Zmc2V0Ijo1MD89" -u :$APIKEY
```

GET /entity-files

Returns all entity files within your organization. This result will be an object with two fields: `entity_files` and `next_page_token`. `entity_files` maps to an array of all the entity file resources. The value of `next_page_token` should be sent as the query parameter `page_token` in another request to retrieve the next page of results. While paginating through results, each request must have identical query parameters other than the changing `page_token`. Otherwise, an `Invalid page_token variable` error will be returned.

The absence of a `next_page_token` indicates that all the records have been fetched, though its presence does not necessarily indicate that there are *more* resources to be fetched. The next page may be empty (but then `next_page_token` would be `null` to confirm that there are no more resources).

Can optionally be filtered to return only entity files associated with a specific `person`, `organization`, or `opportunity`.

QUERY PARAMETERS

Parameter	Type	Required	Description
page_size	number	false	How many results to return per page. (Default is the maximum value of 500.)
page_token	string	false	The <code>next_page_token</code> from the previous response required to retrieve the next page of results.
person_id	integer	false	A unique ID that represents a Person whose associated files should be retrieved.
organization_id	integer	false	A unique ID that represents an Organization whose associated files should be retrieved.
opportunity_id	integer	false	A unique ID that represents an Opportunity whose associated files should be retrieved.

RETURNS

An object with two fields: `entity_files` and `next_page_token`. `entity_files` maps to an array of all the entity file resources. See description for more details on pagination.

Get a Specific File

Example Request

```
curl "https://api.affinity.co/entity-files/43212" -u :$APIKEY
```

Example Response

```
{
  "id": 43212,
  "name": "GoogleFriends.csv",
  "size": 993,
  "person_id": null,
  "organization_id": 10,
  "opportunity_id": null,
  "created_at": "2011-01-25T09:59:35.288-08:00",
  "uploader_id": 10
}
```

GET /entity-files/{entity_file_id}

Fetches an entity with a specified `entity_file_id`.

PATH PARAMETERS

Parameter	Type	Required	Description
entity_file_id	integer	true	The unique ID of the entity file that needs to be retrieved.

RETURNS

The entity file resource corresponding to the `entity_file_id`.

Download File

Example Request

```
curl "https://api.affinity.co/entity-files/download/12345" \
-u :$APIKEY \
-L \
-o Downloads/file.png
```

GET /entity-files/download/{entity_file_id}

Downloads an entity file with a specified `entity_file_id`

PATH PARAMETERS

Parameter	Type	Required	Description
entity_file_id	integer	true	The unique ID of the entity file that needs to be downloaded.

RETURNS

The actual entity file corresponding to the `entity_file_id`.



NOTES

The download location of entity files is provided via a redirect from our endpoint and requires the `-L` flag.

Upload Files

Example Request

```
# Single file upload
curl -X POST "https://api.affinity.co/entity-files" \
-u :$APIKEY \
-H 'Content-Type: multipart/form-data' \
-F file=@file.txt \
-F person_id=1

# Multi file upload
curl -X POST "https://api.affinity.co/entity-files" \
-u :$APIKEY \
-H 'Content-Type: multipart/form-data' \
-F 'files[]=@file1.txt' \
-F 'files[]=@file2.txt' \
-F person_id=1
```

Example Response

```
{ "success": true }
```

`POST /entity-files`


Uploads files attached to the entity with the given id.
The file will display on the entity's profile, provided that the entity is not a person internal to the user's organization.

PATH PARAMETERS

Parameter	Type	Required	Description
file	File	false	A singular file to be uploaded, formatted as form data (multipart/form-data).
files	File[]	false	An array of files to be uploaded, formatted as form data (multipart/form-data).
person_id	integer	false	The unique identifier of the person object to attach the file(s) to.
organization_id	integer	false	The unique identifier of the organization object to attach the file(s) to.
opportunity_id	integer	false	The unique identifier of the opportunity object to attach the file(s) to.

RETURNS

```
{"success": true}
```



NOTES

- Files must be attached to a single entity, specified using one of the three entity ID parameters (`person_id`, `organization_id`, and `opportunity_id`).
- At least one file must be uploaded using the `file` or `files` parameters.

Reminders

The reminders API allows you to manage reminders.

The Reminder Resource

A reminder object contains `content`, which is a string containing the reminder content. In addition, a person, organization or opportunity can be tagged to the reminder.

Example Response

```
{
  "id": 15326,
  "type": 1,
  "created_at": "2021-11-18T14:34:53.218-08:00",
  "completed_at": null,
  "content": "Reply email to Alice",
  "due_date": "2021-12-18T14:34:53.217-08:00",
  "reset_type": 1,
  "reminder_days": 30,
  "status": 2,
  "creator": {
    "id": 443,
    "type": 1,
    "first_name": "John",
    "last_name": "Doe",
    "primary_email": "john@affinity.co",
    "emails": [
      "john@affinity.co"
    ]
  },
  "owner": {
    "id": 443,
    "type": 1,
    "first_name": "John",
    "last_name": "Doe",
    "primary_email": "john@affinity.co",
    "emails": [
      "john@affinity.co"
    ]
  },
  "completer": null,
  "person": {
    "id": 2021,
    "type": 0,
    "first_name": "Alice",
    "last_name": "Yen",
    "primary_email": "yen@alice.com",
    "emails": [
      "yen@alice.com"
    ]
  },
  "organization": null,
  "opportunity": null
}
```

Attribute	Type	Description
id	integer	The unique identifier of the reminder object.
creator	object	The person object who created the reminder.
person	object	The person object tagged in the reminder.
organization	object	The organization object tagged in the reminder.
opportunity	object	The opportunity object tagged in the reminder.
owner	object	The person object who was assigned to the reminder.
completer	object	The person object who completed the reminder.
type	integer	The type of reminder.
reset_type	integer	The reset type of the recurring reminder.
status	integer	Current status of the reminder.
created_at	datetime	The time when the reminder was created.
content	string	The string containing the content of the reminder.
due_date	datetime	The due date of the reminder.
completed_at	datetime	The time when the reminder was completed.
reminder_days	integer	When a recurring reminder is completed or reset, the number of days before the reminder is due again.

REMINDER TYPES

Type	Value	Description
One-time	0	Type specifying a one time reminder.
Recurring	1	Type specifying a recurring reminder.

REMINDER RESET TYPES

Type	Value	Description
Interaction	0	Recurring reminder that can be reset by email or meeting.
Email	1	Recurring reminder that can be reset by an email.
Meeting	2	Recurring reminder that can be reset by a meeting.

REMINDER STATUS TYPES

Type	Value	Description
Completed	0	Reminder that has been marked as completed.

Type	Value	Description
Active	1	Reminder that has not been completed and is not past due.
Overdue	2	Reminder that has not been completed and is past due.

Get All Reminders

Example Request

```
curl "https://api.affinity.co/reminders?page_size=2&status=2" -u :$APIKEY
```

Example Response

```
{
  "reminders": [
    {
      "id": 15562,
      "type": 1,
      "created_at": "2021-11-22T09:31:52.415-08:00",
      "completed_at": null,
      "content": "Recurring reminder",
      "due_date": "2021-12-22T09:31:52.415-08:00",
      "reset_type": 0,
      "reminder_days": 30,
      "status": 2,
      "creator": {
        "id": 443,
        "type": 1,
        "first_name": "John",
        "last_name": "Doe",
        "primary_email": "john@affinity.co",
        "emails": [
          "john@affinity.co"
        ]
      },
      "owner": {
        "id": 443,
        "type": 1,
        "first_name": "John",
        "last_name": "Doe",
        "primary_email": "john@affinity.co",
        "emails": [
          "john@affinity.co"
        ]
      },
      "completer": null,
      "person": null,
      "organization": {
        "id": 4904,
        "name": "organization",
        "domain": null,
        "domains": [],
        "crunchbase_uuid": null,
        "global": false
      },
      "opportunity": null
    },
    {
      "id": 15326,
      "type": 1,
      "created_at": "2021-11-18T14:34:53.218-08:00",
      "completed_at": null,
      "content": "Reply email to Alice",
      "due_date": "2021-12-18T14:34:53.217-08:00",
      "reset_type": 1,
      "reminder_days": 30,
      "status": 2,
      "creator": {
        "id": 443,
        "type": 1,
        "first_name": "John",
        "last_name": "Doe",
        "primary_email": "john@affinity.co",
        "emails": [
          "john@affinity.co"
        ]
      },
      "owner": {
        "id": 443,
        "type": 1,
        "first_name": "John",
        "last_name": "Doe",
        "primary_email": "john@affinity.co",
        "emails": [
          "john@affinity.co"
        ]
      },
      "completer": null,
      "person": {
        "id": 2021,
        "type": 0,
        "first_name": "Alice",
        "last_name": "Yen",
        "primary_email": "yen@alice.com",
        "emails": [
          "yen@alice.com"
        ]
      },
      "organization": null,
    }
  ]
}
```

```
      "opportunity": null
    }
  ],
  "next_page_token": "eyJwYXJhbXMiOnsiY29tcGxldGVyX21kIjpudWxsLCJvd25lc19pZC16bnVsbCwiY3JlYXRvc19"
}
```

GET /reminders

Returns all reminders that meet the query parameters.

QUERY PARAMETERS

Parameter	Type	Required	Description
person_id	integer	false	A unique identifier that represents a Person that was tagged in the retrieved reminders.
organization_id	integer	false	A unique identifier that represents an Organization that was tagged in the retrieved reminders.
opportunity_id	integer	false	A unique identifier that represents an Opportunity that was tagged in the retrieved reminders.
creator_id	integer	false	A unique identifier that represents an internal person whose created reminders should be retrieved.
owner_id	integer	false	A unique identifier that represents an internal person that was assigned to the retrieved reminders.
completer_id	integer	false	A unique identifier that represents an internal person whose completed reminders should be retrieved.
type	integer	false	The type of reminders to be retrieved.
reset_type	integer	false	The reset type of reminders to be retrieved. Required when <code>type == 1</code> .
status	integer	false	The status of reminders to be retrieved.
due_before	string	false	A string (formatted according to ISO 8601) representing the date that reminders to be retrieved are due before.
due_after	string	false	A string (formatted according to ISO 8601) representing the date that reminders to be retrieved are due after.
page_size	number	false	How many results to return per page. (Default is the maximum value of 500.)
page_token	string	false	The <code>next_page_token</code> from the previous response required to retrieve the next page of results.

RETURNS

An array of all the reminders filtered by query parameters. `next_page_token` includes a token to be sent along with the next request as the `page_token` parameter to fetch the next page of results.

Get a Specific Reminder

Example Request

```
# Returns the reminder with the specified `reminder_id`
curl "https://api.affinity.co/reminders/15326" -u $APIKEY
```

Example Response

```
{
  "id": 15326,
  "type": 1,
  "created_at": "2021-11-18T14:34:53.218-08:00",
  "completed_at": null,
  "content": "Reply email to Alice",
  "due_date": "2021-12-18T14:34:53.217-08:00",
  "reset_type": 1,
  "reminder_days": 30,
  "status": 2,
  "creator": {
    "id": 443,
    "type": 1,
    "first_name": "John",
    "last_name": "Doe",
    "primary_email": "john@affinity.co",
    "emails": [
      "john@affinity.co"
    ]
  },
  "owner": {
    "id": 443,
    "type": 1,
    "first_name": "John",
    "last_name": "Doe",
    "primary_email": "john@affinity.co",
    "emails": [
      "john@affinity.co"
    ]
  },
  "completer": null,
  "person": {
    "id": 2021,
    "type": 0,
    "first_name": "Alice",
    "last_name": "Yen",
    "primary_email": "yen@alice.com",
    "emails": [
      "yen@alice.com"
    ]
  },
  "organization": null,
```

```
{
  "opportunity": null
}
```

GET /reminders/{reminder_id}

Gets the details for a specific reminder given the existing reminder id.

PATH PARAMETERS

Parameter	Type	Required	Description
reminder_id	integer	true	The unique identifier of the reminder object to be retrieved.

RETURNS

The details of the reminder corresponding to the reminder ID specified in the path parameter. An appropriate error is returned if an invalid reminder ID is supplied.

Create a New Reminder

Example Request

```
curl -X POST "https://api.affinity.co/reminders" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"owner_id": 443, "person_id": 2021, "type": 0, "due_date": "2021-11-30", "content": "Create reminder from external API."}'
```

Example Response

```
{
  "id": 15385,
  "type": 0,
  "created_at": "2022-02-01T09:36:07.316-08:00",
  "completed_at": null,
  "content": "Create reminder from external API",
  "due_date": "2021-11-30T00:00:00.000-08:00",
  "reset_type": null,
  "reminder_days": null,
  "status": 2,
  "creator": {
    "id": 443,
    "type": 1,
    "first_name": "John",
    "last_name": "Doe",
    "primary_email": "john@affinity.co",
    "emails": [
      "john@affinity.co"
    ]
  },
  "owner": {
    "id": 443,
    "type": 1,
    "first_name": "John",
    "last_name": "Doe",
    "primary_email": "john@affinity.co",
    "emails": [
      "john@affinity.co"
    ]
  },
  "completer": null,
  "person": {
    "id": 2021,
    "type": 0,
    "first_name": "Alice",
    "last_name": "Yen",
    "primary_email": "yen@alice.com",
    "emails": [
      "yen@alice.com"
    ]
  },
  "organization": null,
  "opportunity": null
}
```

POST /reminders

Creates a new reminder with the supplied parameters.

PATH PARAMETERS


Parameter	Type	Required	Description
owner_id	integer	true	A unique identifier that represents an internal person that is assigned to the reminder.
content	string	false	The string containing the content of the new reminder.
type	integer	true	The type of reminder to be created.
reset_type	integer	false	The reset type of reminder to be created. Required when <code>type == 1</code> .
person_id	integer	false	A unique identifier that represents a Person that is tagged in the reminder to be created.
organization_id	integer	false	A unique identifier that represents an Organization that is tagged in the reminder to be created.
opportunity_id	integer	false	A unique identifier that represents an Opportunity that is tagged in the reminder to be created.
due_date	string	false	A string (formatted according to ISO 8601) representing the due date of the reminder to be created. Required when <code>type == 0</code> .

Parameter	Type	Required	Description
reminder_days	integer	false	When a recurring reminder is completed or reset, the number of days before the reminder is due again. Required when <code>type == 1</code> .
is_completed	integer	false	Indicator if the reminder has been completed.

Note that at most one of `person_id`, `organization_id` or `opportunity_id` can be specified.

RETURNS

The reminder created through this request.



NOTE

When creating a reminder using the API, the user corresponding to the API token will be the creator by default.

Update a Reminder

Example Request

```
curl -X PUT "https://api.affinity.co/reminders/15385" \
-u :$APIKEY \
-H "Content-Type: application/json" \
-d '{"type": 1, "reset_type": 0, "reminder_days": 30}'
```

Example Response

```
{
  "id": 15385,
  "type": 1,
  "created_at": "2022-02-01T09:36:07.316-08:00",
  "completed_at": null,
  "content": "Create reminder from external API",
  "due_date": "2021-11-30T00:00:00.000-08:00",
  "reset_type": 0,
  "reminder_days": 70,
  "status": 2,
  "creator": {
    "id": 443,
    "type": 1,
    "first_name": "John",
    "last_name": "Doe",
    "primary_email": "john@affinity.co",
    "emails": [
      "john@affinity.co"
    ]
  },
  "owner": {
    "id": 443,
    "type": 1,
    "first_name": "John",
    "last_name": "Doe",
    "primary_email": "john@affinity.co",
    "emails": [
      "john@affinity.co"
    ]
  },
  "completer": null,
  "person": {
    "id": 2021,
    "type": 0,
    "first_name": "Alice",
    "last_name": "Yen",
    "primary_email": "yen@alice.com",
    "emails": [
      "yen@alice.com"
    ]
  },
  "organization": null,
  "opportunity": null
}
```

`PUT /reminders/{reminder_id}`

Updates the content of an existing reminder with `reminder_id` with the supplied parameters.

PATH PARAMETERS

Parameter	Type	Required	Description
reminder_id	integer	true	The unique ID of the reminder to be updated.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
owner_id	integer	false	A unique identifier that represents an internal person that is assigned to the reminder.
content	string	false	The string containing the content of the new reminder.
type	integer	false	The type of reminder to be updated.

Parameter	Type	Required	Description
reset_type	integer	false	The reset type of reminder to be updated. Required when <code>type == 1</code> .
due_date	string	false	A string (formatted according to ISO 8601) representing the due date of the reminder to be updated. Required when <code>type == 0</code> .
reminder_days	integer	false	When a recurring reminder is completed or reset, the number of days before the reminder is due again. Required when <code>type == 1</code> .
is_completed	integer	false	Indicator if the reminder has been completed.

RETURNS

The reminder object that was just updated through this request.

Delete a Reminder

Example Request

```
curl "https://api.affinity.co/reminders/22984" \
-u :$APIKEY \
-X "DELETE"
```

Example Response

```
{ "success": true }
```

`DELETE /reminders/{reminder_id}`

Deletes the reminder with the specified `reminder_id`.

PATH PARAMETERS

Parameter	Type	Required	Description
reminder_id	integer	true	The unique ID of the reminder to be deleted.

RETURNS

```
{success: true}
```

Webhooks

Webhooks allow you to be notified of events that happen on your Affinity instance. For example, your app can be notified when a list is created, a field value is updated, a person is deleted, and more. These events will fire immediately after the corresponding action takes place.

The Webhook Subscription Resource

Example Response

```
{
  "id": 1234,
  "webhook_url": "https://hooks.example.com/webhook",
  "subscriptions": [
    "list.created",
    "person.created",
    "organization.created",
    "opportunity.created"
  ],
  "disabled": false,
  "created_by": 5678
}
```

Each webhook subscription object has a unique `id`. It also has a `webhook_url` and `subscriptions` associated with it.

Attribute	Type	Description
id	integer	The unique identifier of the webhook subscription object.
webhook_url	string	The URL to which the webhooks are sent to.
subscriptions	string[]	An array of webhook events that are enabled for that endpoint. An empty array indicates subscription to all webhook events. See below for the complete list of supported webhook events.
disabled	boolean	If the subscription is disabled, this is true. Otherwise, this is false by default. A subscription may be disabled manually via API or automatically if we are not able to process it.
created_by	integer	The unique identifier of the user who created the webhook subscription.

NOTE

If webhooks cannot be delivered as the result of a timeout or a connectivity issue with the webhook URL, Affinity will retry the delivery with an exponential backoff for up to 10 hours. If Affinity is still unable to deliver webhooks at that point, the webhook subscription will be disabled and an email notification will be sent to the Affinity admin and technical contacts.

Supported Webhook Events

Example Responses

```
{
  "type": "list_entry.created",
  "body": {
    "id": 388,
    "list_id": 26,
    "creator_id": 38603,
    "entity_id": 38706,
    "entity_type": 0,
    "created_at": "2021-09-08T09:55:50.321-07:00",
    "entity": {
      "id": 70796737,
      "type": 0,
      "first_name": "John",
      "last_name": "Doe",
      "primary_email": "john@affinity.co",
      "emails": ["john@affinity.co"]
    }
  },
  "sent_at": 1631120151
}
```

Object Type	Events
List	<code>list.created</code> , <code>list.updated</code> , <code>list.deleted</code>
List Entry	<code>list_entry.created</code> , <code>list_entry.deleted</code>
Note	<code>note.created</code> , <code>note.updated</code> , <code>note.deleted</code>
Field	<code>field.created</code> , <code>field.updated</code> , <code>field.deleted</code>
Field Value	<code>field_value.created</code> , <code>field_value.updated</code> , <code>field_value.deleted</code>
Person	<code>person.created</code> , <code>person.updated</code> , <code>person.deleted</code>
Organization	<code>organization.created</code> , <code>organization.updated</code> , <code>organization.deleted</code> , <code>organization.merged</code>
Opportunity	<code>opportunity.created</code> , <code>opportunity.updated</code> , <code>opportunity.deleted</code>
Entity File	<code>file.created</code> , <code>file.deleted</code>
Reminder	<code>reminder.created</code> , <code>reminder.updated</code> , <code>reminder.deleted</code>



NOTE

- The Field Value webhook events do not include enrichment events; updates to enrichment field values are not supported.
- Examples of our webhook responses can be found in the Help Center.
- Field webhooks are not fired for Crunchbase fields.
- Field value webhooks are fired with `null` values for Crunchbase fields.

Get All Webhook Subscriptions

Example Request

```
curl "https://api.affinity.co/webhook" -u :$APIKEY
```

Example Response

```
{
  {
    "id": 1234,
    "webhook_url": "https://hooks.example.com/webhook-create",
    "subscriptions": [
      "list.created",
      "person.created",
      "organization.created",
      "opportunity.created"
    ],
    "disabled": false,
    "created_by": 5678
  },
  {
    "id": 2345,
    "webhook_url": "https://hooks.example.com/webhook-all",
    "subscriptions": [],
  }
}
```

```
{
  "disabled": true,
  "created_by": 5678
}
```

GET /webhook

Returns all of your organization's webhook subscriptions.

Get a Specific Webhook Subscription

Example Request

```
curl "https://api.affinity.co/webhook/1234" -u :$APIKEY
```

Example Response

```
{
  "id": 1234,
  "webhook_url": "https://hooks.example.com/webhook",
  "subscriptions": [
    "List.created",
    "person.created",
    "organization.created",
    "opportunity.created"
  ],
  "disabled": false,
  "created_by": 5678
}
```

GET /webhook/{webhook_subscription_id}

Gets the details for a specific webhook subscription given the specified `webhook_subscription_id`.

PATH PARAMETERS

Parameter	Type	Required	Description
webhook_subscription_id	integer	true	The unique ID of the webhook subscription that needs to be retrieved.

RETURNS

The webhook subscription object corresponding to the `webhook_subscription_id`.

Create a New Webhook Subscription

Example Request

```
curl -X POST "https://api.affinity.co/webhook/subscribe" \
-u :$APIKEY \
-d "webhook_url=https://hooks.example.com/webhook"
```

Example Response

```
{
  "id": 1234,
  "webhook_url": "https://hooks.example.com/webhook",
  "subscriptions": [],
  "disabled": false,
  "created_by": 5678
}
```

POST /webhook/subscribe


Creates a new webhook subscription with the supplied parameters. If the endpoint returns an invalid response, the webhook creation will fail.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
webhook_url	string	true	The URL to which the webhooks will be sent to.
subscriptions	string[]	false	An array of webhook events that will be enabled for that endpoint. Leave out this parameter or pass an empty array to subscribe to all webhook events. You can find the complete list of supported webhook events here.

RETURNS

The webhook subscription object that was just created from this successful request per organization.



NOTE

There is a limit of three webhook subscriptions per Affinity instance.

Update a Webhook Subscription

Example Request

```
curl "https://api.affinity.co/webhook/1234" \
-u :$APIKEY \
-d webhook_url="https://hooks.example.com/webhook" \
-d disabled=true \
-X "PUT"
```

Example Response

```
{
  "id": 1234,
  "webhook_url": "https://hooks.example.com/webhook",
  "subscriptions": [],
  "disabled": true,
  "created_by": 5678
}
```

PUT /webhook/{webhook_subscription_id}

Update webhook subscription with the supplied parameters. A webhook subscription can only be updated by its creator. If the endpoint returns an invalid response, the webhook update will fail.

PAYLOAD PARAMETERS

Parameter	Type	Required	Description
webhook_url	string	false	The URL to which the webhooks will be sent to.
subscriptions	string[]	false	An array of webhook events that will be enabled for that endpoint. Leave out this parameter or pass an empty array to subscribe to all webhook events. You can find the complete list of supported webhook events here .
disabled	boolean	false	Change the status of a subscription. To enable a subscription, provide the value as <code>false</code> . Otherwise, provide the value as <code>true</code> .

RETURNS

The webhook subscription object that was just updated from this successful request.

Delete a Specific Webhook Subscription

Example Request

```
curl "https://api.affinity.co/webhook/1234" \
-u :$APIKEY \
-X "DELETE"
```

Example Response

```
{ "success": true }
```

DELETE /webhook/{webhook_subscription_id}

Deletes a webhook subscription with a specified `webhook_subscription_id`. A webhook subscription can only be deleted by its creator, or an admin.

PATH PARAMETERS

Parameter	Type	Required	Description
webhook_subscription_id	integer	true	The unique ID of the webhook subscription that needs to be deleted.

RETURNS

`{success: true}`.

Whoami

The Whoami API gives the user metadata about the user's authentication and Affinity instance information, including the instance subdomain. This can be used for linking back to the user's Affinity instance.

The Whoami Resource

Querying the Whoami endpoint will give information about the user, Affinity instance, and authentication method.

Example Response

```
{
  "tenant": {
    "id": 1,
    "name": "Affinity",
    "subdomain": "affinity"
  },
}
```

```
{
  "user": {
    "id": 2,
    "firstName": "John",
    "lastName": "Doe",
    "email": "john@affinity.co"
  },
  "grant": {
    "type": "api_key",
    "scope": "external_api",
    "createdAt": "2020-12-14T09:00:00.000-05:00"
  }
}
```

Attribute	Type	Description
tenant	object	Information about the Affinity instance the user belongs to.
user	object	Data about the user whose api key was used for the endpoint.
grant	object	Data about the type of authentication and metadata about the api key.

Get Whoami

Example Request

```
curl "https://api.affinity.co/auth/whoami" -u :$API_KEY
```

Example Response

```
{
  "tenant": {
    "id": 1,
    "name": "Affinity",
    "subdomain": "affinity"
  },
  "user": {
    "id": 2,
    "firstName": "John",
    "lastName": "Doe",
    "email": "john@affinity.co"
  },
  "grant": {
    "type": "api_key",
    "scope": "external_api",
    "createdAt": "2020-12-14T09:00:00.000-05:00"
  }
}
```

GET /auth/whoami

Gets information about the user sending the request, and their affiliate company.

There are no query or path parameters for this method. The information needed is contained within the API key.

RETURNS

JSON body of data including tenant, user, and grant information.

Rate Limit

The rate limit endpoint allows you to see your monthly account-level and per minute user-level API limits and usage. The monthly account-level call limit resets at the end of each calendar month.

The Rate Limit Resource

The rate limit resource includes information about account (AKA organization)-level and API key-level rate limits and usage.

Example Response

```
{
  "rate": {
    "org_monthly": {
      "limit": 40000,
      "remaining": 39993,
      "reset": 2124845,
      "used": 7
    },
    "api_key_per_minute": {
      "limit": 900,
      "remaining": 900,
      "reset": 0,
      "used": 0
    }
  }
}
```

Attribute	Type	Description
rate	object	Type of rate limit.
org_monthly	object	Monthly rate limit per organization.
api_key_per_minute	object	Per minute rate limit per API key.
limit	integer	The maximum number of calls for each period.
remaining	integer	The number of calls remaining before reset.
reset	integer	Time in seconds until call count resets.
used	integer	The number of calls that have been used.

NOTE

- `/rate-limit` and `/auth/whoami` endpoints are exempt from organization-level monthly rate limits.

Get Rate Limit Information

Example Request

```
curl "https://api.affinity.co/rate-limit" -u :$API_KEY
```

Example Response

```
{
  "rate": {
    "org_monthly": {
      "limit": 40000,
      "remaining": 39993,
      "reset": 2124845,
      "used": 7
    },
    "api_key_per_minute": {
      "limit": 900,
      "remaining": 900,
      "reset": 0,
      "used": 0
    }
  }
}
```

GET `/rate-limit`

Querying the rate limit endpoint will yield information about account (AKA organization)-level and API key-level rate limits and usage.

RETURNS

The rate limit resource, a JSON body of data including limits, calls remaining, seconds until reset and call count.

Spacer

Changelog

2024-07-17

- At least one associated person, company, opportunity, or parent note must be specified when creating a note.

2024-05-01

- `/interactions` now restricts the duration between `start_time` and `end_time` to a maximum of one year
- `/interactions` now ensures that the provided `start_time` is before the provided `end_time` year
- `/interactions` now has a maximum `page_size` of 100.

2023-08-07

- Added `associated_person_ids`, `interaction_person_ids`, `interaction_id`, and `interaction_type` to the note resource. The `person_ids`, `associated_person_ids`, and `interaction_person_ids` properties on a note should now reflect the various ways a note can be tied to a person.

2023-07-27

- datetime values in webhook bodies and API responses are ISO 8601-formatted date strings. For example: `"2023-06-21T16:00:28.315-07:00"`.
-

2023-07-17

- Add information about notes with `type` 1.
-

2023-07-03

- Updated API access information for Professional tier customers.
-

2023-06-13

- The `created_at` parameter on the POST endpoint for notes no longer accepts timestamps in the future.
-

2023-05-17

- Added 403 error code for permissions-related errors.
-

2023-03-27

- Added the ability to create a List.
 - Updated Postman collection to help developers get started.
 - Added documentation on formatting options for HTML notes.
-

2023-03-09

- Account for chat messages when returning interaction info on the GET endpoints for Persons and Organizations.
-

2023-02-28

- Added the ability to create HTML notes.
 - Added the ability to create a note within a thread.
-

2023-02-10

- Added Rate Limit Headers section to the Rate Limits documentation.
-

2023-02-08

- Added `created_at` and `updated_at` timestamps to Field Values.
 - Added an `updated_at` timestamp to Notes.
-

2023-02-07

- Added the ability to retrieve Current Organization column data on Persons.
-

2022-09-06

- Added Rate Limit endpoint and documentation. Moved from a daily to a per minute per user limit. Monthly per account limits remain the same.
-

2022-09-02

- Added `(entity_type)` and `(exclude_dropdown_options)` documentation to Fields.
-

2022-05-05

- Added `(enrichment_source)` documentation to Fields.
-

2022-04-11

- Added Partner With Us section.
-

2022-03-21

- Added `(opportunity_ids)` fields to person and organization responses.
-

2022-02-23

- Added Interactions API documentation.
-

2022-02-17

- Updated GET entity files and entity file webhooks to exclude non-user uploaded files.
-

2022-02-03

- Added Whoami API documentation.
-

2022-02-01

- Added Reminder API documentation.
 - Added Reminder webhook events.
-

2022-01-28

- Added `(organization.merged)` event to Webhooks.
 - Added `(mentioned_person_ids)` and `(is_meeting)` fields to Notes.
-

2021-11-22

- Added link out to Help Center for webhook responses
-

2021-11-19

- Updated GET field values changes to be filterable by `(action_type)`, `(person)`, `(organization)`, `(opportunity)` or `(list_entry)` by passing in the appropriate parameter.
-

2021-10-15

- Minor content updates
-

2021-10-04

- Updates to Example Responses.
- Responsive tweaks.

2021-09-07

- Revamped API documentation
 - Added Common Use Cases section.
 - Added Rate Limits section.
 - Updates to `PUT` and `POST` cURL examples.
-

2021-08-18

- Fixed typo in the API docs where `entity_id` and `creator_id` was in path paramaters when they should be inside the payload parameters for Create a New List Entry.
-

2021-07-28

- Fixed typo in Relationship Strength section.
-

2021-05-05

- Updated API rate limit information.