Cognism API

The Cognism API is used to search, preview and enrich Contacts and Accounts. Cognism database provides extensive B2B contacts and sales intelligence data.

NOTE: API responses may differ from the results retrieved via Prospector search (Web Application). We strive to ensure that the API is updated regularly to align as closely as possible with Prospector search results. However, ydiscrepancies can occur due to various factors, including data updates and system enhancements. We appreciate your understanding and are committed to improving the accuracy and reliability of our API services.

Improvements

The new Cognism API reduces complexity when searching, and it simplifies data structure. Also, response time is greatly improved.

NOTE: Pagination of results is possible from first to last result, but you cannot hop between pages.

Benefits include:

- Better accuracy on technology and event searches
- Ability to create more complex queries
- The new Cognism API also removes the limitation of 10,000 displayed results, making it now unlimited.
- Visibility for all open positions for each contact - with different emails and company phones.
- Ability to configure the response fields in line with the entitlements.

Credits

Credit burn remain as was, currently only on contacts, but not on account. This might change in the future.

Authentication

Cognism uses API keys to allow access to the APIs. The API Key is assigned to you by Cognism and it is used to authenticate and authorize each request.

Your API key should be kept private, and should never be displayed publicly.

API keys have a time-to-live [TTL] of 6 months.

You can manually generate additional keys or remove existing ones using one of our tools:

- Cognism Prospector, or
- Cognism Refresh.

You can authenticate HTTP requests in one of two ways:

1. Using header field "**Authorization: Bearer {API KEY}**"
2. Using query string "**api_key={API KEY}**"

Keep in mind that we recommend the use of the HTTP header field rather than the api_key query parameter as it provides an added level of security. The documentation uses HTTP header field in all examples.

API structure

API contains a set of HTTPS endpoints providing all necessary details to preview and redeem contacts of your choice.

The API is built using RESTful endpoints and standard HTTP verbs.

Entitlements

Entitlements are a defined set of Contact and Account data that is available for you. They are set by Cognism Support Team.

Entitlement definition affects Search, Preview and Result. Entitlements are related to the API Key.

Cognism API cannot be used unless Entitlements are properly set up.

Basic Info

No matter what entitlement you choose, basic info will always be present. This is minimum data defining Contact or Account entity.

Entitlements are built on top of basic info.

Basic Contact info

Basic info for Contact entity

```json
{
  "id": "String (UUID)",
  "fullName": "String",
  "firstName": "String",
  "lastName": "String",
  "jobTitle": "String",
  "account":
  {
```

Field name	Description
id	Contact Cognism Unique ID
name	Contact Full Name
first	Contact First Name
last	Contact Last Name
currentCompany.id	Contact Current Company ID
currentCompany.name	Contact Current Company Name
currentCompany.jobTitle	Contact Job Title within Current Company

Basic Account info

Basic info for Account entity

```json
{
  "id": "String",
  "name": "String"
}
```

Field name	Description
id	Account Cognism Unique ID
name	Account Name

Contact Entitlement

Use Predefined Contact Entitlements table to check full set of Contact supported fields. Entitlement affects Contact search and response data.

Predefined Contact Entitlements

Contact Fields	Standard	Advanced
id	Y	Y
fullName	Y	Y
firstName	Y	Y
lastName	Y	Y
jobTitle	Y	Y
lastConfirmed	Y	Y
managementLevel	Y	Y
jobFunction	Y	Y
seniority	Y	Y
positionStartDate	Y	Y
mobilePhoneNumbers		Y
directPhoneNumb		Y

Account Entitlement

Use Predefined Account Entitlements table to check full set of Account supported fields. Entitlement affects Contact search and response data.

Predefined Account Entitlements

Contact Fields	Standard	Advanced
id	Y	Y
name	Y	Y
domain	Y	Y
industry	Y	Y
description	Y	Y
shortDescription	Y	Y
founded	Y	Y
website	Y	Y
linkedinUrl	Y	Y
revenue	Y	Y
sic	Y	Y
isic	Y	Y

My Entitlements

To check how your entitlements are defined use MyEntitlementContact and MyEntitlementAccount.

Response schema

> Actual returned object will contain fields based on user Entitlements

Contact

Redeemed contact response complete object

```json
{
  "properties": {
    "totalResults": {
      "type": "integer"
    },
    "results": {
      "type": "array",
      "items": [
```

Account

Redeemed account response complete object

```json
{
  "properties": {
    "totalResults": {
      "type": "integer"
    },
    "results": {
      "type": "array",
      "items": [
```

Rate Limiting

All API requests are subject to rate limits that exist independently of your API key's monthly usage allowance. The maximum rate limit is **1,000 requests per minute**.

Number of previews available - Number of credits available, multiplied by 10.

HTTP Headers and Response Codes

Use the HTTP headers in order to understand where the application is at for a given rate limit, on the method that was just utilized.

x-rate-total-limit

The rate limit ceiling for all endpoints for the 1 minute window.

x-rate-total-limit-remaining

The number of requests left remaining for the 1 minute window.

x-rate-limit-reset

Number of seconds before rate limits are reset.

x-rate-limit-user

User name.

x-rate-endpoint-limit

The rate limit ceiling for single endpoints for the 1 minute window.

x-rate-endpoint-limit-remaining

The number of requests left remaining for single endpoints for the 1 minute window.

x-rate-result-limit

Total number of preview profiles within API contract. Calculated as number of credits x 10.

x-rate-result-limit-remaining

Total number of remaining requests within API contract.

x-rate-result-limit-reset

Number of seconds before rate result limit is reset (until end of current contract).

x-rate-result-limit

The limit on preview profiles (contact or account). Limit is calculated as number of allocated credits x 10, e.g. 1 000 000 credits = 10 000 000 preview limit. Preview limit is decreased by the number of returned preview profiles on Search and Enrich endpoints. Usually single Search request decreases the preview limit by 20 (default index size) and Enrich by 1.

Redeem endpoint uses standard credits and does not decreases preview limit.

HTTP 429 "Too Many Requests"

This response code is returned when an application exceeds the rate limit for a given API endpoint, and the following error is returned in the response body:

```
{ "errors": [ { "code": 88, "message": "Rate limit exceeded" } ] }
```
.

Error response messages

With an unexpected response, usually, one of the below HTTP codes will be returned. Check the table for help with error messages and troubleshooting steps.

Error Code	Message	Troubleshooting
400	Requested page number must be within allowed values	Check page query parameter. Make sure it is a number and within allowed range
400	Requested page size must be within allowed values	Check pageSize query parameter. Make sure it is a number and within allowed range
400	Request body invalid JSON	Make sure request contains valid JSON
400	Search request not supported by subscribed entitlement	Check your Entitlement definition for allowed search fields. Contact

Search API

Use this API to search Cognism Contacts and Accounts dataset by different parameters. The search and response models are dependant on defined Entitlement.

Search results contain records that match **all** input search criteria.

Check Utility API for search filter values.

Each **Array** field can have up to **1000** search terms in a single request.

POST   Search Contacts   🔒

https://app.cognism.com/api/search/contact/search?indexSize=25
&lastReturnedKey=

Search Contacts and see preview data.

Dot denotes field is one level deep. Field name on the right side of the dot is child object of the object on the left side of the dot

Field name	Field data type	Description
ids	Array[String]	Contact ids
fullName	String	Contact name
firstName	String	Contact first name
lastName	String	Contact last name
jobTitles	Array[String]	Contact current position job titles
excludeJobTitles	Array[String]	Contact current position excluded job titles
seniority	Array[String]	Contact current position seniority. Allowed values: `Manager`, `Director`, `Partner`, `CXO`, `Owner`, `VP`
jobFunctions	Array[String]	Contact current position job

AUTHORIZATION Bearer Token

Token   <token>

HEADERS

Content-Type   application/json

Authorization   Bearer <My-Api-Key>

PARAMS

indexSize   25

Number of results in one result set. Default 20. Max 100.

lastReturnedKey   Last returned key used to fetch next set of results. If empty, first set of results is returned

Body raw

```
{
    "firstName": "Stjepan",
    "lastName": "Buljat",
```

```json
        "jobTitles": [
            "Chief Innovation Officer"
        ],
        "excludeJobTitles": [
            "CEO"
        ],
        "regions": [
            "EMEA"
        ],
        "mobilePhoneNumbers": {
            "highPlus": true
        },
        "emailQuality": {
            "highPlus": true
        },
        "account": {
            "names": [
                "Cognism"
            ],
            "officePhoneNumbers": {
                "medium": true
            }
        }
    }
}
```

POST **Search Accounts** 🔒

https://app.cognism.com/api/search/account/search?indexSize=10
0&lastReturnedKey=

Search Accounts and see preview data.

> Dot denotes field is one level deep. Field name on the right side of the
> dot is child object of the object on the left side of the dot

Field name	Field data type	Description
ids	Array[String]	Account Cognism unique id
names	Array[String]	Account names
excludeNames	Array[String]	Account exclude names
domains	Array[String]	Account domains
excludeDomains	Array[String]	Account exclude domains
websites	Array[String]	Account websites
description	String	Account description (keyword)
shortDescription	String	Account short description (keyword)
keywords	Array[String]	Account keywords
revenue.from	Long	Account revenue

AUTHORIZATION Bearer Token

Token   <token>

HEADERS

Content-Type   application/json

Authorization   Bearer <My-Api-Key>

PARAMS

indexSize   100

Number of results in one result set. Default 20.
Max 100.

lastReturnedKey

Body raw

```
{
    "names": [
        "Cognism"
    ],
```

```
    "domains": [
        "cognism.com"
    ],
    "accountSearchOptions": {
        "match_exact_account_name": true,
        "match_exact_domain": false,
        "filter_domain": "exists",
        "events_operator": "AND"
    }
}
```

Redeem API

Redeem Contacts or Accounts by providing IDs. Response includes data as per subscribed Entitlement.
Provide one or up to 20 IDs inside list of redeemIDs.

> Usual workflow is using Search API and finding IDs of your interest before redeeming

POST   Redeem Contacts by IDs 🔒

https://app.cognism.com/api/search/contact/redeem?mergePhonesAndLocations=

Redeem Contacts by request IDs. Use "redeemId" field from Search and Enrich API response.

> Check response object schema under Response schema / Contact

AUTHORIZATION Bearer Token

Token	<token>

HEADERS

Content-Type	application/json
Authorization	Bearer <My-Api-Key>

PARAMS

mergePhonesAndLocations	Optional parameter. Merge phones and locations. Boolean value, default false.

Body raw

```
{
    "redeemIds": [
        "YmVkOWMxZDItYjgwNi0zN2I2LTk2MzItNzVlZjk5MWE0ODdhC
    ]
}
```

POST   Redeem Accounts by IDs 🔒

https://app.cognism.com/api/search/account/redeem?mergePhone
sAndLocations=

Redeem Accounts by request IDs. Use "id" field from Search and Enrich API
response.

⎸ Check response object schema under Response schema / Account

AUTHORIZATION   Bearer Token

Token   <token>

HEADERS

Content-Type   application/json

Authorization   Bearer <My-Api-Key>

PARAMS

mergePhonesAndLocat   Optional parameter. Merge phones and
ions   locations. Boolean value, default false.

Body   raw

```
{
    "redeemIds": [
        "e53fa4ed-cc99-385c-b431-38fd6a6a88e0",
        "efc6d975-8599-38ab-8cfe-e1c42ac16dc6"
    ]
}
```

Enrich API

Use Enrich API to enrich and update you data. Enrich supports finding single best match according to provided parameters.

> MatchScore value depends on how well and how many input parameters have matched returned contact/account profile.

POST   Enrich Contact   🔒

https://app.cognism.com/api/search/contact/enrich

Enrich your contacts by providing input parameters. Response info depends on your Entitlement.
In order to match contact accurately, use one of search criteria

* Unique identifiers such as **email/sha256** or **linkedinUrl**.
* Combine **firstName, lastName** and **jobTitle** with **accountName** or with account unique identifiers **accountWebsite**
* Provide as many input parameters as you can and we will return back best possible match

Default minMatchScore is **30** and data will not be returned if profile is scored less. In general, everything scored <27 indicates low quality match. However, minMatchScore can be defined as search parameter.

> phoneNumber enrichment searches all types of phone numbers

Input fields

Input field	Description	Type
firstName	Contact first name	String
lastName	Contact last name	String
linkedinUrl	Contact LinkedIn URL	String
phoneNumber	Contact Phone Number (searched any type of number)	String
jobTitle	Contact job title	String
email	Contact email	String
sha256	Contact email hash	String (hexadecimal)
accountWebsite	Account website	String
accountName	Account name	String
anchorFields	Fields that must match	Array[String]

Approximate score based on matched parameters (🟢 Match 🟡 Partial match 🔴 No match)

Input	Approximate matchScore
firstName 🟢 lastName 🟢 phoneNumber 🟢	43-53
firstName 🟢 lastName 🟢 phoneNumber 🟢 accountName 🟡	51-60
firstName 🟢 lastName 🟢 accountName 🟢	33-50
firstName 🟢 lastName 🟢 accountName 🟡	30-40
firstName 🟢 lastName 🟢 accountWebsite 🟢	33-50
email 🟢	47-49
firstName 🟢 lastName 🟢	36-55

Anchor Fields

Anchor Fields allow you to specify input fields that must match. By default, firstName and lastName are Anchor Fields for Contact enrich. If any of Anchor Fields do not match, other parameters matching is irrelevant and no data is returned.

> Anchor Fields do not affect score

In the example below, no data is returned since accountName did not match. If accountName was not defined inside anchorFields, expected matchScore would be as per table above (30-50).

```json
{
  "firstName": "Stjepan", 🟢
  "lastName": "Buljat", 🟢
  "jobTitle": "CTO and Co-Founder", 🟢
  "accountName": "Kaspr", 🔴
  "anchorFields": [
    "accountName"
    ]
}
```

AUTHORIZATION Bearer Token

Token	<token>

Body raw (json)

```json
{
    "email": "stjepan.buljat@cognism.com"
}
```

POST Enrich Account 🔒

https://app.cognism.com/api/search/account/enrich

Enrich your accounts by providing input parameters. Response info depends on your Entitlement.
In order to match account accurately, use one of search criteria

- Unique identifiers such as **website, domain** or **linkedinUrl**.
- Provide as many input parameters as you can and we will return back best possible match

Default minMatchScore is **40** and data will not be returned if profile is scored less. In general, everything scored <35 indicates low quality match. However, minMatchScore can be defined as search parameter.

Input fields

Input field	Description	Type
linkedinUrl	Account LinkedIn URL	String
domain	Account domain	String
website	Account website	String
name	Account name	String
country	Account country	String
city	Account city	String
anchorFields	Fields that must match	Array[String]
minMatchScore	Minimum Match Score to return matched Account	Int

Approximate score based on matched parameters (🟢 Match 🟡 Partial match 🔴 No match)

Input	Approximate matchScore
name 🟢	28-83
name 🟡	25-56
domain 🟢	48-53
website 🟢	48-53
linkedinUrl 🟢	50-53
name 🟢 country (HQ) 🟢	35-90
name 🟢 country (Office) 🟢	31-86
name 🟢 city (HQ) 🟢	35-90
name 🟢 city (Office) 🟢	31-86

Anchor Fields

Account Enrich supports Anchor Fields, same rules apply as on Contact Enrich.

AUTHORIZATION Bearer Token

Token   <token>

HEADERS

Authorization	Bearer <My-Api-Key>
Content-Type	application/json

Body raw (json)

```json
{
    "website": "www.cognism.com"
}
```

Entitlement API

GET   Get Contact Entitlement Details   🔒

https://app.cognism.com/api/search/entitlement/contactEntitlementSubscription

Get details of subscribed Contact Entitlement

AUTHORIZATION Bearer Token

Token	<token>

HEADERS

Content-Type	application/json
Authorization	Bearer <My-Api-Key>

GET   Get Account Entitlement Details   🔒

https://app.cognism.com/api/search/entitlement/accountEntitlementSubscription

Get details of subscribed Account Entitlement

AUTHORIZATION Bearer Token

Token	<token>

Content-Type   application/json

Authorization   Bearer <My-Api-Key>

Filter API

GET   Technologies 🔒

https://app.cognism.com/api/search/filter/technologiesSearch?last
ReturnedKey=&search=&indexSize=20

List supported technologies. Use optional search parameter to retreive list
of matching technologies

AUTHORIZATION Bearer Token

Token   <token>

HEADERS

Authorization   Bearer <My-Api-Key>

PARAMS

lastReturnedKey   Name of the last fetched technology

search   Search filter. Leave it empty if you want to fetch
all technologies

indexSize   20

Index Size. Default size is 20. Maximum size is
10 000

GET   Management Levels 🔒

https://app.cognism.com/api/search/filter/managementLevels

AUTHORIZATION Bearer Token

Token	<token>

GET   Company Sizes 🔒

https://app.cognism.com/api/search/filter/companySizes

AUTHORIZATION Bearer Token

Token	<token>

HEADERS

Authorization	Bearer <My-Api-Key>

GET   Industries 🔒

https://app.cognism.com/api/search/filter/industries

AUTHORIZATION Bearer Token

Token	<token>

HEADERS

Authorization	Bearer <My-Api-Key>

GET Job Functions 🔒

https://app.cognism.com/api/search/filter/jobFunctions

AUTHORIZATION Bearer Token

Token   <token>

HEADERS

Authorization   Bearer <My-Api-Key>

GET World Regions 🔒

https://app.cognism.com/api/search/filter/regions

AUTHORIZATION Bearer Token

Token   <token>

HEADERS

Authorization   Bearer <My-Api-Key>

GET Countries 🔒

https://app.cognism.com/api/search/filter/countries

AUTHORIZATION Bearer Token

Token   <token>

HEADERS

Authorization   Bearer <My-Api-Key>

GET States 🔒

https://app.cognism.com/api/search/filter/states

AUTHORIZATION Bearer Token

Token   <token>

HEADERS

Authorization   Bearer <My-Api-Key>

GET **SIC Codes**   🔒

https://app.cognism.com/api/search/filter/sic

AUTHORIZATION Bearer Token

Token   <token>

HEADERS

Authorization   Bearer <My-Api-Key>

GET **ISIC Codes**   🔒

https://app.cognism.com/api/search/filter/isic

AUTHORIZATION Bearer Token

Token   <token>

HEADERS

Authorization   Bearer <My-Api-Key>

GET **NAICS Codes**   🔒

https://app.cognism.com/api/search/filter/naics

AUTHORIZATION Bearer Token

Token	<token>

HEADERS

Authorization	Bearer <My-Api-Key>

GET Skills 🔒

https://app.cognism.com/api/search/filter/skills

AUTHORIZATION Bearer Token

Token	<token>

HEADERS

Authorization	Bearer <My-Api-Key>

GET Company Types 🔒

https://app.cognism.com/api/search/filter/companyTypes

AUTHORIZATION Bearer Token

Token	<token>

HEADERS

Authorization	Bearer <My-Api-Key>

GET Seniority 🔒

https://app.cognism.com/api/search/filter/seniority

AUTHORIZATION Bearer Token

Token	<token>

Compliance API

Compliance API exposes three endpoints for checking contact Opt-out status.

Opt-Out List returns all contacts that have Opt-out.

Search Opt-out by Email and by Id endpoints can be called with the contact's Email or Cognism Id.

HTTP status code 200 indicates Contact has chose to Opt-out.

HTTP status code 404 indicates Contact has not chose to Opt-out

GET   Opt-Out List   🔒

https://app.cognism.com/api/search/contact/optOut?pageSize=100

Include pageKey in the parameters to request next page.

PageKey is used for pagination and is returned with every response

AUTHORIZATION Bearer Token

Token   <token>

HEADERS

Authorization   Bearer <My-Api-Key>

PARAMS

pageSize   100

pageKey

GET   Search Opt-Out by Email   🔒

https://app.cognism.com/api/search/contact/optOut/email/:email

AUTHORIZATION Bearer Token

Token   <token>

HEADERS

Authorization   Bearer <My-Api-Key>

PATH VARIABLES

email

GET   **Search Opt-Out by Id**   🔒

https://app.cognism.com/api/search/contact/optOut/id/MzRkNjMz
YjctNDFIYS0zYWM3LWEyODAtNDMxZDcxZmQ3N2ViO2IxMjBjOTTd
hLTlhNTltM2E3Zi1iNzNiLTg3MGUzYjQ0M2MxOTTlZmM2ZDk3NS04
NTk5LTM4YWltOGNmZS1lMWM0MmFjMTZkYzY=

AUTHORIZATION Bearer Token

Token   <token>

HEADERS

Authorization   Bearer <My-Api-Key>