

# Implisense API

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## Overview

Welcome to the *Implisense API* documentation. This is a description of the services Implisense provides via its Data-as-a-Service platform. We provide two principal types of endpoints: First, the `/companies`-endpoint delivers detailed information about specific companies. Second, the `/autocomplete`-, `/lookup`-, `/search`-, and `/recommend`-endpoints provide various methods to look up and search for companies or get recommendations.

## Getting started

Once you have received your access token from Implisense you are already all set and ready to go. You can access the Implisense API via an API tool, such as Postman, or incorporate it directly into your own software. Our data exchange format of choice is JSON. You are encouraged to specify this format explicitly in the header for each of your requests. Set both the "Content-Type"- (for POST- and PUT-requests) and the "Accept"-header to "application/json". Via the "Authorization"-header you can also authenticate your requests via Basic Authentication (see below). Consult the documentation of your programming language of choice to find the details about how to implement these settings.

## Basics of Authentication

We currently provide two ways for you to authenticate your requests. The preferred way is to use Basic Authentication. In Basic Authentication, the base64-encoded string of `<username>:<password>` is passed as value for the "Authorization"-header. For the Implisense API you specify your access token as username and leave the password blank. Depending on your programming language there may be a library that handles Basic Authentication and lets you specify username and password. Otherwise you may have to encode the string "`<token>:"` manually. The second way for you to authenticate your requests is by adding the query parameter "`token=<token>`" to each of your requests. This way is slightly less secure as tokens specified in the URL may end up in web browsers, caches, etc.

## Changelog

### Version 1.61 (Januar 2018)

- We added more examples to the documentation to make the online version more useful.
- For `SearchRequest` and `RecommendationRequest` a new filter, the "sizesFilter", has been added.
- The facets of search and recommendation results now include "sizes", a summary of revenues and employees.

## Version 1.60 (October 2017)

- The /profile-endpoint has been marked as deprecated and is no longer part of the documentation.
- Instead, its output is now provided via two new endpoints: /topics and /links. Links have also three additional attributes: "type", "direction", and "weight". (Previously provided "inLinks" and "outLinks" now have "type" "WEB" and "direction" "IN" and "OUT", respectively.)
- In addition, a third new endpoint /people was added, which provides a list of people associated with a company. The output is the same as for the "people"-attribute of the /dataplus-endpoint. The latter will eventually be deprecated.
- The attribute "snippets" has been added to the output of both the /data- and /dataplus-endpoints. Snippets are extracts from the websites of companies that our heuristics deem as relevant.
- The attribute "active" has been added to the LookupRequest type. With it, you can specify to obtain only companies that are still active, i.e., officially still in business. The default value is "false".
- In addition, this documentation has now been enriched with examples (now added to the Swagger standard) to provide better understanding.

## Version 1.50 (April 2017)

- The attribute "purpose" has been added to the output of both the /data- and /dataplus-endpoints.
- The attribute "size", indicating a summary of both revenue and number of employees, has been added to the /dataplus-endpoint.
- The /dataplus-endpoint now provides "people", a list of people associated with a company and detected from Handelsregister announcements and the websites.
- The /events-endpoint now contains two additional query parameters "type" and "category", which allow further filtering of the event timeline based on the event types and categories.
- Three additional event types have been added: JOBS, PRESSRELEASE, and TWITTER. The type RSS has been renamed to BLOG.

## Version 1.40 (February 2017)

- For the ExternalIds type the attribute "lei", representing the Legal Entity Identifier, has been added.
- The "lei"-attribute has been added to the LookupRequest type as well, it can thus also be used for company look-ups.

- The social media profiles (attribute "socialMedia") are now modeled as a list of social media items (instead of explicit attributes for every network) to make parsing and extending easier. YouTube has been added where available.
- The revenue and employees classes have an additional attribute "name" giving the plain text descriptions of the classes.
- The attribute "categories" for the Event type has been changed to "category". We now give only one category per event. In addition, the "category" attribute is complex, consisting of "code" and "title".
- The /events-endpoint now has an additional query parameter "size", allowing the user to specify the number of events to be returned. Default value is, as before, 10, maximum value is 1000.
- The Link type now contains an additional attribute "source", which lists the specific URL where the link was detected (as opposed to the attribute "url", which lists the main URL of the linked company).
- For the Facets type the "sectors"-attribute has been renamed to "industries" to be consistent with other types.
- Many previously deprecated attributes have actually been removed from the API.

## Version 1.30 (December 2016)

- The Event type has been completely remodeled. The attributes "key" and "value" have been marked as deprecated and are no longer documented.
- Instead, the attributes "categories", "title", "text", and "publisher" have been added.
- The list of possible values for event types has been updated.
- The CompanyCard type has been split into a context-free type CompanyCard that is the result of /lookup and /company/{id} and a type ContextualizedCompanyCard that is the result of /search and /recommend and contains the previously introduced output of the "explain"-parameter, i.e. puts the company into the context of a search or a recommendation.

## Version 1.20 (September 2016)

- For the CompanyCard type, the output of /lookup, /search, and /recommend, the obfuscation of the address information has been removed.
- For the input of /search and /recommend, "sectorsFilter" has been renamed to "industriesFilter".
- For the input of /search and /recommend, "propertiesFilter" and "eventsFilter" have been marked as deprecated and are no longer documented.

- A new query parameter "explain" has been introduced for the /search and /recommend endpoints. If set to true, the result includes snippets of website matches for query terms (in the case of /search) or relevant terms (in the case of /recommend) for every company.
- The targetProfile in the output of /recommend is now optional and only provided if the new "explain"-parameter is set to true. The "features"-output in the targetProfile has a different structure now, it comes as an ordered list with the feature key provided in each individual entry (previously, it was grouped by key).
- A third consequence of the "explain"-parameter is that for /recommend each company result includes an individual explanation listing the relevant subset of the global explanation together with relevant website snippets.
- For the output of /dataplus, "sectors" has been renamed to "industries". The output for each industries standard is now structured and contains the names of the industries.
- For the output of /profile, "properties" has been renamed to "topics". "superType" and "subType" have been replaced by "type".

## Version information

*Version* : 1.61

## Contact information

*Contact* : [support@implisense.com](mailto:support@implisense.com)

## URI scheme

*Host* : api.implisense.com

*BasePath* : /

*Schemes* : HTTPS

## Consumes

- `application/json`

## Produces

- `application/json`

## Paths

## GET /autocomplete

```
GET /autocomplete
```

### Description

This endpoint returns a list of company name suggestions for a given prefix.

### Parameters

Type	Name	Description	Schema	Default
Query	<b>prefix</b> <i>required</i>	The prefix to be completed.	string	
Query	<b>size</b> <i>optional</i>	The number of results to be returned.	integer	" 5 "

### Responses

HTTP Code	Description	Schema
200	An autocompletion object.	<a href="#">Autocompletion</a>

### Consumes

- application/json

### Produces

- application/json

## GET /companies/{id}

```
GET /companies/{id}
```

### Description

This endpoint returns a small overview of the company with the given identifier. This overview is called the company card. It is also the return type of all search-related endpoints. It is basically just a placeholder, so that this endpoint is valid. For more detailed information about the company you have to call other endpoints below, which return details about different aspects of companies.

## Parameters

Type	Name	Description	Schema	Default
Path	<b>id</b> <i>required</i>	The Implisense identifier of the company.	string	

## Responses

HTTP Code	Description	Schema
200	A company card object.	<a href="#">CompanyCard</a>

## Consumes

- application/json

## Produces

- application/json

## GET /companies/{id}/data

```
GET /companies/{id}/data
```

## Description

This endpoint returns the basic information of the company with the given identifier. The information includes all the core data (name, address), web data if known (phone, fax, email, url, social media profiles), and legal information (registry, founding date, capital).

## Parameters

Type	Name	Description	Schema	Default
Path	<b>id</b> <i>required</i>	The Implisense identifier of the company.	string	

## Responses

HTTP Code	Description	Schema
200	A company data object.	<a href="#">CompanyData</a>

---

## Consumes

- application/json

## Produces

- application/json

## GET /companies/{id}/dataplus

```
GET /companies/{id}/dataplus
```

## Description

This endpoint returns the basic information of the company with the given identifier. The information includes all the core data (name, address), web data if known (phone, fax, email, url, social media profiles), legal information (registry, founding date, capital), up to three industries, and revenue and employees class.

## Parameters

Type	Name	Description	Schema	Default
Path	<b>id</b> <i>required</i>	The Implisense identifier of the company.	string	

## Responses

HTTP Code	Description	Schema
200	A company data plus object.	CompanyDataPlus

## Consumes

- application/json

## Produces

- application/json

## GET /companies/{id}/events

```
GET /companies/{id}/events
```

## Description

This endpoint returns the latest events about the company with the given identifier since the given timestamp. This timestamp is optional and is specified via a query parameter. Events come with a type (companies' register event, news, website change, etc.), a key (change in management, finances, merger/acquisition, etc.), a value (the content of the event), a source, and a timestamp.

## Parameters

Type	Name	Description	Schema	Default
Path	<b>id</b> <i>required</i>	The Implisense identifier of the company.	string	
Query	<b>category</b> <i>optional</i>	Restrict the output to a certain category of events. Possible values are NAME_AND_ADDRESS, PURPOSE_AND_INDUSTRY, MANAGEMENT_AND_TEAM, FINANCES_AND_CAPITAL, MERGERS_AND_ACQUISITIONS, BANKRUPTCY, NEWS_AND_EVENTS, PRODUCTS, CUSTOMERS_AND_PARTNERS, RESEARCH_AND_TECHNOLOGY, JOBS, LOCATIONS_AND_INTERNATIONAL, LEGAL, and MISC.	string	
Query	<b>since</b> <i>optional</i>	The point in time since which events shall be returned. Can be specified as timestamp in Unix milliseconds format or as string in either dd.MM.yyyy or yyyy-MM-dd format (e.g., 2015-06-30).	string	
Query	<b>size</b> <i>optional</i>	The number of events to be returned.	integer	"10"
Query	<b>type</b> <i>optional</i>	Restrict the output to a certain type of events. Possible values are BLOG, HRB, NEWS, PRESSRELEASE, TWITTER, WEBDIFF.	string	

## Responses

HTTP Code	Description	Schema
200	A company events object.	<a href="#">CompanyEvents</a>

## Consumes

- application/json

## Produces

- application/json
-

## GET /companies/{id}/links

```
GET /companies/{id}/links
```

### Description

This endpoint returns the results of the various link analysis we perform. Currently, we provide the analysis of incoming and outgoing links for company websites.

### Parameters

Type	Name	Description	Schema	Default
Path	<b>id</b> <i>required</i>	The Implisense identifier of the company.	string	

### Responses

HTTP Code	Description	Schema
200	A company links object.	<a href="#">CompanyLinks</a>

### Consumes

- application/json

### Produces

- application/json

## GET /companies/{id}/people

```
GET /companies/{id}/people
```

### Description

This endpoint returns the information about people associated with the company with the given identifier. The information includes names, roles, email addresses, and phone numbers, if available.

### Parameters

Type	Name	Description	Schema	Default
Path	<b>id</b> <i>required</i>	The Implisense identifier of the company.	string	

## Responses

HTTP Code	Description	Schema
200	A company people object.	<a href="#">CompanyPeople</a>

## Consumes

- application/json

## Produces

- application/json

## GET /companies/{id}/topics

```
GET /companies/{id}/topics
```

## Description

This endpoint returns the results of the smart topics analysis we perform on the company websites. These results give insights into the characteristics of a company and into what topics might be relevant for the company.

## Parameters

Type	Name	Description	Schema	Default
Path	<b>id</b> <i>required</i>	The Implisense identifier of the company.	string	

## Responses

HTTP Code	Description	Schema
200	A company topics object.	<a href="#">CompanyTopics</a>

## Consumes

- application/json
-

## Produces

- application/json

## POST /lookup

```
POST /lookup
```

## Description

This endpoint assists in finding companies and their identifiers via some fixed attributes, such as company name, website or email. In addition, you can provide all known attribute values in a separate query field, and we will make our best guess. A maximum of ten candidates is returned.

## Parameters

Type	Name	Description	Schema	Default
Body	<b>request</b> <i>required</i>	The lookup request object.	<a href="#">LookupRequest</a>	

## Responses

HTTP Code	Description	Schema
200	A list of at most ten company card objects.	< <a href="#">CompanyCard</a> > array

## Consumes

- application/json

## Produces

- application/json

## POST /recommend

```
POST /recommend
```

## Description

This endpoint lets you create a new recommendation request, and returns the recommendation result. A recommendation is based on a number of input companies, which

you have to provide via their identifiers. The result can be narrowed down using various filters. In addition to the actual result and the facets we optionally provide the target profile, an attempt to explain on what basis our recommendations is computed. This includes the individual explanation for every resulting company as well as snippets from the company websites that match the explanation.

## Parameters

Type	Name	Description	Schema	Default
Query	<b>explain</b> <i>optional</i>	If set to true, the output contains explanations for the recommendation in the form of the target profile, individual features, and snippets that match the explanation.	boolean	"false"
Query	<b>from</b> <i>optional</i>	The index of the first result to be returned.	integer	"0"
Query	<b>size</b> <i>optional</i>	The number of results to be returned.	integer	"50"
Body	<b>request</b> <i>required</i>	The recommendation request object.	<a href="#">RecommendationRequest</a>	

## Responses

HTTP Code	Description	Schema
200	A recommendation result object.	<a href="#">RecommendationResult</a>

## Consumes

- application/json

## Produces

- application/json

## POST /search

```
POST /search
```

## Description

This endpoint lets you create a new search request, which may include one or more search strings and various filters, and returns the search result. In addition to the actual search result, the search facets (roughly speaking, statistics about the search result that give you ideas to refine your search) are provided. Optionally, we provide the individual matches of the query

terms in the company websites.

## Parameters

Type	Name	Description	Schema	Default
Query	<b>explain</b> <i>optional</i>	If set to true, the output contains snippets of the query matches in company websites.	boolean	"false"
Query	<b>from</b> <i>optional</i>	The index of the first result to be returned.	integer	"0"
Query	<b>size</b> <i>optional</i>	The number of results to be returned.	integer	"50"
Body	<b>request</b> <i>required</i>	The search request object.	<a href="#">SearchRequest</a>	

## Responses

HTTP Code	Description	Schema
200	A search result object.	<a href="#">SearchResult</a>

## Consumes

- application/json

## Produces

- application/json

## Definitions

### Autocompletion

The company name autocompletion type.

Name	Description	Schema
<b>autocompletion</b> <i>required</i>	A list of company names matching the prefix.	< string > array
<b>prefix</b> <i>required</i>	The prefix with which the autocompletion was triggered. <b>Example:</b> "Impli"	string

### BasicFacetEmployees

The basic facet type.

Name	Description	Schema
<b>code</b> <i>required</i>	The code for the actual facet value. <b>Example</b> : "1-10"	string
<b>name</b> <i>optional</i>	The name for the actual facet value. <b>Example</b> : "1-10 Mitarbeiter"	string
<b>number</b> <i>optional</i>	The number of occurrences of the facet in the search result. <b>Example</b> : 4.0	number(int32)
<b>type</b> <i>optional</i>	A type of the facet, such as a classification system. Can be empty. <b>Example</b> : ""	string

## BasicFacetIndustries

The basic facet type.

Name	Description	Schema
<b>code</b> <i>required</i>	The code for the actual facet value. <b>Example</b> : "J62"	string
<b>name</b> <i>optional</i>	The name for the actual facet value. <b>Example</b> : "Erbringung von Dienstleistungen der Informationstechnologie"	string
<b>number</b> <i>optional</i>	The number of occurrences of the facet in the search result. <b>Example</b> : 2.0	number(int32)
<b>type</b> <i>optional</i>	A type of the facet, such as a classification system. <b>Example</b> : "nace"	string

## BasicFacetLocations

The basic facet type.

Name	Description	Schema
<b>code</b> <i>required</i>	The code for the actual facet value. <b>Example</b> : "de-be"	string
<b>name</b> <i>optional</i>	The name for the actual facet value. <b>Example</b> : "Berlin"	string
<b>number</b> <i>optional</i>	The number of occurrences of the facet in the search result. <b>Example</b> : 3.0	number(int32)
<b>type</b> <i>optional</i>	A type of the facet, such as a classification system. <b>Example</b> : "state"	string

## BasicFacetRevenues

The basic facet type.

Name	Description	Schema
<b>code</b> <i>required</i>	The code for the actual facet value. <b>Example</b> : "100k-500k"	string
<b>name</b> <i>optional</i>	The name for the actual facet value. <b>Example</b> : "100.001-500.000 Euro"	string
<b>number</b> <i>optional</i>	The number of occurrences of the facet in the search result. <b>Example</b> : 4.0	number(int32)
<b>type</b> <i>optional</i>	A type of the facet, such as a classification system. Can be empty. <b>Example</b> : ""	string

## BasicFacetSizes

The basic facet type.

Name	Description	Schema
<b>code</b> <i>required</i>	The code for the actual facet value. <b>Example</b> : "MICRO"	string
<b>name</b> <i>optional</i>	The name for the actual facet value. <b>Example</b> : "Kleinstunternehmen"	string
<b>number</b> <i>optional</i>	The number of occurrences of the facet in the search result. <b>Example</b> : 4.0	number(int32)
<b>type</b> <i>optional</i>	A type of the facet, such as a classification system. Can be empty. <b>Example</b> : ""	string

## BasicFilterEmployees

The basic filter type.

Name	Description	Schema
<b>code</b> <i>required</i>	The code for the actual filter value. <b>Example</b> : ">1000"	string
<b>type</b> <i>optional</i>	A type of the filter, such as a classification system. Can be left empty. <b>Example</b> : ""	string

## BasicFilterIndustries

The basic filter type.

Name	Description	Schema
<b>code</b> <i>required</i>	The code for the actual filter value. <b>Example</b> : "J62"	string
<b>type</b> <i>optional</i>	A type of the filter, such as a classification system. <b>Example</b> : "nace"	string

## BasicFilterLocations

The basic filter type.

Name	Description	Schema
<b>code</b> <i>required</i>	The code for the actual filter value. <b>Example</b> : "de-10"	string
<b>type</b> <i>optional</i>	A type of the filter, such as a classification system. <b>Example</b> : "zip"	string

## BasicFilterRevenues

The basic filter type.

Name	Description	Schema
<b>code</b> <i>required</i>	The code for the actual filter value. <b>Example</b> : ">100m"	string
<b>type</b> <i>optional</i>	A type of the filter, such as a classification system. Can be left empty. <b>Example</b> : ""	string

## BasicFilterSizes

The basic filter type.

Name	Description	Schema
<b>code</b> <i>required</i>	The code for the actual filter value. <b>Example</b> : "SMALL"	string
<b>type</b> <i>optional</i>	A type of the filter, such as a classification system. Can be left empty. <b>Example</b> : ""	string

## CompanyCard

The company card type giving a brief overview about a company.

Name	Description	Schema
<b>city</b> <i>optional</i>	The city of the company headquarters. <b>Example</b> : "Berlin"	string
<b>id</b> <i>required</i>	The Implisense identifier of the company. <b>Example</b> : "DEVFCLQFW054"	string
<b>name</b> <i>required</i>	The official complete name of the company. <b>Example</b> : "Implisense GmbH"	string
<b>street</b> <i>optional</i>	The street and number of the company headquarters. <b>Example</b> : "Spiekermannstraße 31a"	string
<b>url</b> <i>optional</i>	The URL of the principal website of the company. <b>Example</b> : "http://implisense.com/"	string

Name	Description	Schema
<b>zip</b> <i>optional</i>	The zip code of the company headquarters. <b>Example</b> : "13189"	string

## CompanyData

The company data type with basic information about companies.

Name	Description	Schema
<b>active</b> <i>optional</i>	Indicator of whether the company is in business. <b>Example</b> : true	boolean
<b>capital</b> <i>optional</i>	The capital stock of the company. <b>Example</b> : "30168.00 EUR"	string
<b>city</b> <i>optional</i>	The city of the company headquarters. <b>Example</b> : "Berlin"	string
<b>email</b> <i>optional</i>	The email address of the company headquarters. <b>Example</b> : "hello@implisense.com"	string
<b>externalIds</b> <i>optional</i>		ExternalIds
<b>fax</b> <i>optional</i>	The fax number of the company headquarters. <b>Example</b> : "+49 30 47370370"	string
<b>foundingDate</b> <i>optional</i>	The founding date of the company as a Unix timestamp in milliseconds. <b>Example</b> : 1.380492E12	number(double)
<b>geo</b> <i>optional</i>		GeoCoordinate
<b>id</b> <i>required</i>	The Implisense identifier of the company. <b>Example</b> : "DEVFCLQFW054"	string
<b>legalForm</b> <i>optional</i>	The legal form of the company. <b>Example</b> : "Gesellschaft mit beschränkter Haftung"	string
<b>name</b> <i>required</i>	The official complete name of the company. <b>Example</b> : "Implisense GmbH"	string
<b>phone</b> <i>optional</i>	The phone number of the company headquarters. <b>Example</b> : "+49 30 48331280"	string
<b>purpose</b> <i>optional</i>	The purpose (description of its business) of the company. <b>Example</b> : "Der Betrieb eines Informationsdienstes für Wirtschaftsinformationen."	string
<b>snippets</b> <i>optional</i>	Relevant extracts from the websites of companies.	< Snippet > array
<b>socialMedia</b> <i>optional</i>	The list of social media profiles of the company.	< SocialMediaItem > array
<b>street</b> <i>optional</i>	The street and number of the company headquarters. <b>Example</b> : "Spiekermannstraße 31a"	string
<b>timestamp</b> <i>optional</i>	The timestamp of the last update of the company as a Unix timestamp in milliseconds. <b>Example</b> : 1.515375744214E12	number(double)
<b>url</b> <i>optional</i>	The URL of the principal website of the company. <b>Example</b> : "http://implisense.com/"	string

Name	Description	Schema
<b>zip</b> <i>optional</i>	The zip code of the company headquarters. <b>Example:</b> "13189"	string

## CompanyDataPlus

The company dataplus type with basic information about companies plus information about the company's industry and size.

Name	Description	Schema
<b>active</b> <i>optional</i>	Indicator of whether the company is in business. <b>Example:</b> true	boolean
<b>capital</b> <i>optional</i>	The capital stock of the company. <b>Example:</b> "30168.00 EUR"	string
<b>city</b> <i>optional</i>	The city of the company headquarters. <b>Example:</b> "Berlin"	string
<b>email</b> <i>optional</i>	The email address of the company headquarters. <b>Example:</b> "hello@implisense.com"	string
<b>employees</b> <i>optional</i>		Employees
<b>externalIds</b> <i>optional</i>		ExternalIds
<b>fax</b> <i>optional</i>	The fax number of the company headquarters. <b>Example:</b> "+49 30 47370370"	string
<b>foundingDate</b> <i>optional</i>	The founding date of the company as a Unix timestamp in milliseconds. <b>Example:</b> 1.380492E12	number(double)
<b>geo</b> <i>optional</i>		GeoCoordinate
<b>id</b> <i>required</i>	The Implisense identifier of the company. <b>Example:</b> "DEVFCLQFW054"	string
<b>industries</b> <i>optional</i>		Industries
<b>legalForm</b> <i>optional</i>	The legal form of the company. <b>Example:</b> "Gesellschaft mit beschränkter Haftung"	string
<b>name</b> <i>required</i>	The official complete name of the company. <b>Example:</b> "Implisense GmbH"	string
<b>people</b> <i>optional</i>	A list of people associated with the company.	< Person > array
<b>phone</b> <i>optional</i>	The phone number of the company headquarters. <b>Example:</b> "+49 30 48331280"	string
<b>purpose</b> <i>optional</i>	The purpose (description of its business) of the company. <b>Example:</b> "Der Betrieb eines Informationsdienstes für Wirtschaftsinformationen."	string
<b>revenue</b> <i>optional</i>		Revenue

Name	Description	Schema
<b>size</b> <i>optional</i>		Size
<b>snippets</b> <i>optional</i>	Relevant extracts from the websites of companies.	< Snippet > array
<b>socialMedia</b> <i>optional</i>	The list of social media profiles of the company.	< SocialMediaItem > array
<b>street</b> <i>optional</i>	The street and number of the company headquarters. <b>Example</b> : "Spiekermannstraße 31a"	string
<b>timestamp</b> <i>optional</i>	The timestamp of the last update of the company as a Unix timestamp in milliseconds. <b>Example</b> : 1.515375744214E12	number(double)
<b>url</b> <i>optional</i>	The URL of the principal website of the company. <b>Example</b> : "http://implisense.com/"	string
<b>zip</b> <i>optional</i>	The zip code of the company headquarters. <b>Example</b> : "13189"	string

## CompanyEvents

The company events type giving a timeline of company events in reverse chronological order.

Name	Description	Schema
<b>events</b> <i>required</i>	A list of events in reverse chronological order.	< Event > array
<b>id</b> <i>required</i>	The Implisense identifier of the company. <b>Example</b> : "DEVFCLQFW054"	string
<b>since</b> <i>optional</i>	An optional timestamp indicating a boundary for the oldest events listed. It is a replication of the parameter specified in the request. <b>Example</b> : 0.0	number(double)

## CompanyLinks

A list of links of various types of the current company to other companies.

Name	Description	Schema
<b>id</b> <i>required</i>	The Implisense identifier of the company. <b>Example</b> : "DEVFCLQFW054"	string
<b>links</b> <i>optional</i>	A list of links to other companies.	< Link > array

## CompanyPeople

A list of people associated with the company, extracted from registers and public websites.

Name	Description	Schema
<b>id</b> <i>required</i>	The Implisense identifier of the company. <b>Example</b> : "DEVFCLQFW054"	string

Name	Description	Schema
<b>people</b> <i>required</i>	A list of people associated with the company.	< Person > array

## CompanyTopics

A list of topics that are identified as relevant for the company. The analysis is performed on the website content of the company.

Name	Description	Schema
<b>id</b> <i>required</i>	The Implisense identifier of the company. <b>Example</b> : "DEVFCLQFW054"	string
<b>topics</b> <i>optional</i>	A list of topics that are identified as relevant for the company.	< Topic > array

## ContextualizedCompanyCard

The company card type giving a brief overview about a company. Here, additional information about the search or recommendation context is provided.

Name	Description	Schema
<b>city</b> <i>optional</i>	The city of the company headquarters. <b>Example</b> : "Berlin"	string
<b>explanation</b> <i>optional</i>	A list of the most significant individual features in a recommendation with matching website snippets, ordered by their relevance.	< FeatureStatistic > array
<b>id</b> <i>required</i>	The Implisense identifier of the company. <b>Example</b> : "DEVFCLQFW054"	string
<b>name</b> <i>required</i>	The official complete name of the company. <b>Example</b> : "Implisense GmbH"	string
<b>snippets</b> <i>optional</i>	An optional list of query matches in the company website.	< Snippet > array
<b>street</b> <i>optional</i>	The street and number of the company headquarters. <b>Example</b> : "Spiekermannstraße 31a"	string
<b>url</b> <i>optional</i>	The URL of the principal website of the company. <b>Example</b> : "http://implisense.com/"	string
<b>zip</b> <i>optional</i>	The zip code of the company headquarters. <b>Example</b> : "13189"	string

## Employees

Information about a company's number of employees.

Name	Description	Schema
<b>code</b> <i>optional</i>	The employees class of the company. Possible values are >1000, 501-1000, 101-500, 51-100, 11-50, 1-10, and na. <b>Example</b> : "11-50"	string

Name	Description	Schema
<b>name</b> <i>optional</i>	The plain text description of the employees class. <b>Example:</b> "11-50 Mitarbeiter"	string
<b>year</b> <i>optional</i>	The year the information refers to. <b>Example:</b> "2016"	string

## Event

A single company event.

Name	Description	Schema
<b>category</b> <i>optional</i>		EventCategory
<b>publisher</b> <i>optional</i>	The name of the publisher of the event. <b>Example:</b> "Implisense GmbH"	string
<b>source</b> <i>optional</i>	The source URL of the event. <b>Example:</b> "http://blog.implisense.com/jahresrueckblick-2017/"	string
<b>text</b> <i>optional</i>	The textual content of the event. <b>Example:</b> "Der Jahreswechsel ist ein günstiger Zeitpunkt, einmal innezuhalten und 2017 Revue passieren zu lassen. Wir schauen auf ein sehr erfolgreiches Jahr zurück, das wir mit ein paar Highlights in diesem Rückblick zusammengefasst haben..."	string
<b>timestamp</b> <i>optional</i>	The timestamp of the event as a Unix timestamp in milliseconds. <b>Example:</b> 1.514973349E12	number(double)
<b>title</b> <i>optional</i>	A title for the event. <b>Example:</b> "Jahresrückblick 2017 des Implisense-Gründerteams"	string
<b>type</b> <i>optional</i>	The type of the event, indicating a classification of the source. Possible values are BLOG, HRB, NEWS, PRESSRELEASE, TWITTER, WEBDIFF. <b>Example:</b> "BLOG"	string

## EventCategory

A category automatically assigned to events.

Name	Description	Schema
<b>code</b> <i>optional</i>	The category code. Possible values are NAME_AND_ADDRESS, PURPOSE_AND_INDUSTRY, MANAGEMENT_AND_TEAM, FINANCES_AND_CAPITAL, MERGERS_AND_ACQUISITIONS, BANKRUPTCY, NEWS_AND_EVENTS, PRODUCTS, CUSTOMERS_AND_PARTNERS, RESEARCH_AND_TECHNOLOGY, JOBS, LOCATIONS_AND_INTERNATIONAL, LEGAL, and MISC. <b>Example:</b> "MANAGEMENT_AND_TEAM"	string

Name	Description	Schema
<b>title</b> <i>optional</i>	A plain text description of the event category. <b>Example</b> : "Management , Team"	string

## ExternalIds

Various identifiers of the company at other places.

Name	Description	Schema
<b>ebid</b> <i>optional</i>	The European Business Identifier, as introduced by unternehmensverzeichnis.org. <b>Example</b> : "2501100133998"	string
<b>hr</b> <i>optional</i>		Hr
<b>lei</b> <i>optional</i>	The Legal Entity Identifier, as introduced by the international Financial Stability Board (FSB). <b>Example</b> : " "	string
<b>vat</b> <i>optional</i>	The VAT number of the company. <b>Example</b> : "DE292405720"	string

## Facets

The facets type. Includes all individual factes, which are roughly speaking statistics about the search result that enable you to refine your searches. To do so, you simply reuse the 'type' and 'code' attributes in the appropriate filters.

Name	Description	Schema
<b>employees</b> <i>optional</i>	A list of facets for specific employee classes.	< BasicFacetEmployees > array
<b>industries</b> <i>optional</i>	A list of facets for specific industries.	< BasicFacetIndustries > array
<b>locationsFilter</b> <i>optional</i>	A list of facets for specific regions or locations.	< BasicFacetLocations > array
<b>revenues</b> <i>optional</i>	A list of facets for specific revenue classes.	< BasicFacetRevenues > array
<b>sizes</b> <i>optional</i>	A list of facets for specific size classes.	< BasicFacetSizes > array

## FeatureStatistic

The feature statistic type.

Name	Description	Schema
<b>key</b> <i>required</i>	The group the feature belongs to. Possible values include "term.de", "term.en", "topic", "revenue", "employees". <b>Example</b> : "term.de"	string
<b>label</b> <i>required</i>	A human-readable description of the key. <b>Example</b> : "Wort (deutsch) "	string
<b>score</b> <i>required</i>	An indication of the relevance of the feature. Based on targetCount, targetRate, totalCount and totalRate. <b>Example</b> : 5.115923922429055E-4	number(double)
<b>snippets</b> <i>optional</i>	An optional list of term matches in a company website. Only applicable on the company level.	<Snippet> array
<b>targetCount</b> <i>required</i>	The count of the feature value in the set of base companies. <b>Example</b> : 3.0	number(int32)
<b>targetRate</b> <i>required</i>	The percentage of occurrences of the feature value in the set of base companies. This rate is probably much larger than the totalRate, which indicates the significance of the feature for the recommendation. <b>Example</b> : 1.0	number(double)
<b>totalCount</b> <i>required</i>	The count of the feature value in the complete index. <b>Example</b> : 4614.0	number(int32)
<b>totalRate</b> <i>required</i>	The percentage of occurrences of the feature value in the complete index. <b>Example</b> : 0.008433312177658081	number(double)
<b>value</b> <i>required</i>	The value of the feature the statistic is referring to. <b>Example</b> : "implisense"	string

## GeoCoordinate

The geo coordinate type with latitude and longitude.

Name	Description	Schema
<b>lat</b> <i>required</i>	The latitude part of the geo coordinate. <b>Example</b> : 52.553641	number(double)
<b>lon</b> <i>required</i>	The longitude part of the geo coordinate. <b>Example</b> : 13.428667	number(double)

## Hr

The identification of the company at the German companies' register.

Name	Description	Schema
<b>court</b> <i>required</i>	The German companies' court where the company is registered. <b>Example</b> : "Berlin (Charlottenburg) "	string
<b>number</b> <i>required</i>	The number of the registration. <b>Example</b> : "153069 "	string
<b>type</b> <i>required</i>	The type of the registration (HRA, HRB, AR, GnR, PR, or VR). <b>Example</b> : "HRB "	string

## Industries

The industries a company operates in, grouped by various standards.

Name	Description	Schema
<b>nace</b> <i>optional</i>	A list of industry codes, according to the European NACE standard.	< IndustryNace > array
<b>wz2008</b> <i>optional</i>	A list of industry codes, according to the German WZ 2008 standard.	< IndustryWz2008 > array

## IndustryNace

A single industry that a company may operate in.

Name	Description	Schema
<b>code</b> <i>required</i>	The industry code in the given classification standard. <b>Example</b> : "N82.91"	string
<b>title</b> <i>optional</i>	A human-readable title for the industry. <b>Example</b> : "Inkassobüros und Auskunfteien"	string
<b>type</b> <i>required</i>	The industry classification standard, e.g., "nace" or "wz2008". <b>Example</b> : "nace"	string

## IndustryWz2008

A single industry that a company may operate in.

Name	Description	Schema
<b>code</b> <i>required</i>	The industry code in the given classification standard. <b>Example</b> : "82.91.2"	string
<b>title</b> <i>optional</i>	A human-readable title for the industry. <b>Example</b> : "Auskunfteien"	string
<b>type</b> <i>required</i>	The industry classification standard, e.g., "nace" or "wz2008". <b>Example</b> : "wz2008"	string

## Link

A link from or to another company.

Name	Description	Schema
<b>direction</b> <i>optional</i>	The direction of the link. Possible values are "IN", "OUT", and "INOUT" (for bidirectional links). <b>Example</b> : "IN"	string
<b>id</b> <i>optional</i>	The identifier of the linked company. <b>Example</b> : "DEYCHKYSHK44"	string

Name	Description	Schema
<b>name</b> <i>optional</i>	The name of the linked company. <b>Example:</b> "Bundesverband Deutsche Startups e.V."	string
<b>source</b> <i>optional</i>	The specific URL where the link can be found. <b>Example:</b> "https://deutschestartups.org/community/mitglieder/"	string
<b>type</b> <i>optional</i>	The type of link. Currently we provide only links based on the company websites (type "WEB"). <b>Example:</b> "WEB"	string
<b>url</b> <i>optional</i>	The main URL of the linked company. <b>Example:</b> "https://www.deutschestartups.org/"	string
<b>weight</b> <i>optional</i>	The weight of the link, indicating the strength of the connection. <b>Example:</b> 1.0	number(double)

## LookupRequest

The lookup request type.

Name	Description	Schema
<b>active</b> <i>optional</i>	Allows to specify to obtain only companies that are still active, i.e., officially still in business. <b>Default:</b> false <b>Example:</b> true	boolean
<b>city</b> <i>optional</i>	The city from the company address. <b>Example:</b> "Berlin"	string
<b>ebid</b> <i>optional</i>	The European Business Identifier of the company as introduced by Unternehmensverzeichnis.org. <b>Example:</b> "2501100133998"	string
<b>email</b> <i>optional</i>	The company email address. <b>Example:</b> "hello@implisense.com"	string
<b>hrCourt</b> <i>optional</i>	The name of the German district court where the company is registered. If provided, you should provide hrType and hrNumber as well. <b>Example:</b> "Berlin (Charlottenburg)"	string
<b>hrNumber</b> <i>optional</i>	The company registration number at its district court. If provided, you should provide hrCourt and hrType as well. <b>Example:</b> "153069"	string
<b>hrType</b> <i>optional</i>	The type of the company registration, e.g., HRA or HRB. If provided, you should provide hrCourt and hrNumber as well. <b>Example:</b> "HRB"	string
<b>lei</b> <i>optional</i>	The Legal Entity Identifier, as introduced by the international Financial Stability Board (FSB). <b>Example:</b> "7LTFWZYICNSX8D621K86"	string
<b>name</b> <i>optional</i>	The company name. <b>Example:</b> "Implisense GmbH"	string

Name	Description	Schema
<b>query</b> <i>optional</i>	A collection of known attribute values for the company, for example name and city. If provided, the threshold of acceptance is lowered and more candidates are returned. <b>Example:</b> "Implisense Berlin"	string
<b>street</b> <i>optional</i>	The street from the company address. <b>Example:</b> "Spiekermannstraße 31a"	string
<b>url</b> <i>optional</i>	The URL of the company website. <b>Example:</b> "implisense.com"	string
<b>zip</b> <i>optional</i>	The zip code from the company address. <b>Example:</b> "13189"	string

## Person

A person associated with a company.

Name	Description	Schema
<b>email</b> <i>optional</i>	The email address of the person. <b>Example:</b> "andreas.schaefer@implisense.com"	string
<b>name</b> <i>required</i>	The full name of the person. <b>Example:</b> "Dr. Andreas Schäfer"	string
<b>phone</b> <i>optional</i>	The phone number of the person. <b>Example:</b> "+49 30 4833 1281"	string
<b>role</b> <i>required</i>	The role of the person within the company. <b>Example:</b> "Chief Executive Officer"	string
<b>source</b> <i>required</i>	The source URL where the person was detected. <b>Example:</b> "http://implisense.com/en/about-us/"	string

## RecommendationRequest

The recommendation request type.

Name	Description	Schema
<b>baseCompanies</b> <i>optional</i>	A list of at least three company identifiers that serve as the basis for the recommendation.	< string > array
<b>companiesFilter</b> <i>optional</i>	A filter to reduce the search to specific companies. The filter is specified as a list of company identifiers.	< string > array
<b>employeesFilter</b> <i>optional</i>	A filter for specific employee classes. Possible values for the filter code include '>1000', '501-1000', '101-500', '51-100', '11-50', '1-10', and 'na'.	< BasicFilterEmployees > array
<b>industriesFilter</b> <i>optional</i>	A filter for specific industries. As filter type you can provide 'nace' or 'wz2008', as filter code the relevant code from the respective standard.	< BasicFilterIndustries > array

Name	Description	Schema
<b>locationsFilter</b> <i>optional</i>	A filter for specific regions or locations. As filter type you can specify 'region', 'state', or 'zip'. As filter code you must prefix every value with 'de-' for Germany, for example 'de-bb' for the Berlin/Brandenburg region, 'de-be' for the state Berlin, or 'de-10' for the zip code prefix 10.	< BasicFilterLocations > array
<b>revenuesFilter</b> <i>optional</i>	A filter for specific revenue classes. Possible values for the filter code include '>100m', '20m-100m', '5m-20m', '1m-5m', '500k-1m', '100k-500k', and '<100k'.	< BasicFilterRevenues > array
<b>sizesFilter</b> <i>optional</i>	A filter for specific company sizes. Possible values for the filter code include 'MICRO', 'SMALL', 'MEDIUM', and 'LARGE'.	< BasicFilterSizes > array

## RecommendationResult

The recommendation result type. Includes facets and optionally the target profile, which serves as an explanation what the recommendation is based on.

Name	Description	Schema
<b>companies</b> <i>required</i>	The actual recommendation result, a list of company card objects.	< ContextualizedCompanyCard > array
<b>facets</b> <i>required</i>		Facets
<b>size</b> <i>required</i>	The total size of the recommendation result. <b>Example</b> : 8192.0	number(int32)
<b>targetProfile</b> <i>optional</i>		TargetProfile

## Revenue

Information about a company's revenue.

Name	Description	Schema
<b>code</b> <i>optional</i>	The revenue class of the company. Possible values are >100m, 20m-100m, 5m-20m, 1m-5m, 500k-1m, 100k-500k, and <100k (includes n/a). <b>Example</b> : "500k-1m"	string
<b>name</b> <i>optional</i>	The plain text description of the revenue class. <b>Example</b> : "500.001-1.000.000 Euro"	string
<b>year</b> <i>optional</i>	The year the information refers to. <b>Example</b> : "2016"	string

## SearchRequest

The search request type.

Name	Description	Schema
<b>companiesFilter</b> <i>optional</i>	A filter to reduce the search to specific companies. The filter is specified as a list of company identifiers.	< string > array
<b>employeesFilter</b> <i>optional</i>	A filter for specific employee classes. Possible values for the filter code include '>1000', '501-1000', '101-500', '51-100', '11-50', '1-10', and 'na'.	< BasicFilterEmployees > array
<b>industriesFilter</b> <i>optional</i>	A filter for specific industries. As filter type you can provide 'nace' or 'wz2008', as filter code the relevant code from the respective standard.	< BasicFilterIndustries > array
<b>locationsFilter</b> <i>optional</i>	A filter for specific regions or locations. As filter type you can specify 'region', 'state', or 'zip'. As filter code you must prefix every value with 'de-' for Germany, for example 'de-bb' for the Berlin/Brandenburg region, 'de-be' for the state Berlin, or 'de-10' for the zip code prefix 10.	< BasicFilterLocations > array
<b>queries</b> <i>optional</i>	An array of query strings. They are internally connected via the OR-connector.	< string > array
<b>query</b> <i>optional</i>	The query string. <b>Example:</b> "big data"	string
<b>revenuesFilter</b> <i>optional</i>	A filter for specific revenue classes. Possible values for the filter code include '>100m', '20m-100m', '5m-20m', '1m-5m', '500k-1m', '100k-500k', and '<100k'.	< BasicFilterRevenues > array
<b>sizesFilter</b> <i>optional</i>	A filter for specific company sizes. Possible values for the filter code include 'MICRO', 'SMALL', 'MEDIUM', and 'LARGE'.	< BasicFilterSizes > array

## SearchResult

The search result type. Includes facets, which are roughly speaking statistics about the search result that enable you to refine your searches.

Name	Description	Schema
<b>companies</b> <i>required</i>	The actual search result, a list of company card objects.	< ContextualizedCompanyCard > array
<b>facets</b> <i>required</i>		Facets
<b>size</b> <i>required</i>	The total size of the search result. <b>Example:</b> 1024.0	number(int32)

## Size

Information about a company's size (summary of revenue and number of employees).

Name	Description	Schema
<b>code</b> <i>optional</i>	The size class of the company. Possible values are MICRO, SMALL, MEDIUM, LARGE. <b>Example:</b> "SMALL"	string
<b>name</b> <i>optional</i>	The plain text description of the company size. <b>Example:</b> "Kleinunternehmen"	string

## Snippet

An extract of the text of a company website.

Name	Description	Schema
<b>source</b> <i>required</i>	The source URL of the snippet. <b>Example:</b> "http://implisense.com/"	string
<b>text</b> <i>required</i>	The snippet text. If the snippet is used to display matches of the query strings, they are tagged with <span>. <b>Example:</b> "Zielgerichtet zu neuen Kunden\nQualifiziert, segmentiert und priorisiert dank <span>Implisense</span> Qualify"	string

## SocialMediaItem

A link to a specific social media profile.

Name	Description	Schema
<b>network</b> <i>optional</i>	The plain text name of the network. Currently, Facebook, Google+, LinkedIn, Twitter, YouTube, and Xing are included. <b>Example:</b> "Twitter"	string
<b>url</b> <i>optional</i>	The URL of the social media profile. <b>Example:</b> "http://twitter.com/implisense"	string

## TargetProfile

The target profile type.

Name	Description	Schema
<b>features</b> <i>required</i>	A list of the most significant individual features for the given set of companies, ordered by their relevance.	< FeatureStatistic > array
<b>size</b> <i>required</i>	The number of companies that serve as the basis for the profile. <b>Example:</b> 3 . 0	number(int32)

## Topic

A topic that is in some way relevant to some company.

Name	Description	Schema
<b>score</b> <i>optional</i>	A score indicating the relevance of the topic for the current company. <b>Example:</b> 0 . 5530032515525818	number(double)
<b>type</b> <i>optional</i>	The name of the topic. <b>Example:</b> "Business Intelligence"	string

## Security

### basicAuth

HTTP Basic Authentication. Use your token as username and leave password empty.

*Type* : basic

### key

*Type* : apiKey

*Name* : token

*In* : QUERY