ELTic
From data to AI

API Integration
Search regulator candidates

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Why connect with this API?

Provide real-time customer / candidate / contact information to your clients using your existing IT system.

This document can assist developers to connect your systems to ELTic's data source.

We are only a meeting away:
https://calendly.com/corrievermeer/30min

Search types

Refresh - live refreshing of current info

Using LinkedIn's vanity name (a unique name that represents your name/brand on LinkedIn) to identify the candidate.
Information is retrieved from various sources and regulator websites.

Bulk Search on existing data

Search for people based on the following criteria:
- Job Title List
- Profession List
- Skills List
- Country Code
- Location List
- Open To Work
- Has Email
- Date Last Updated
- No. Of Records Requested

Steps

Step 1: Authenticate.

Step 2: Search (Refresh / Bulk Search).

Step 3: Check if search is concluded and advise on the

number of records found. Refresh only takes about 60

seconds and Bulk Search is instantaneous.

Step 4: Retrieve the information and credits are deducted.

Credits may be purchased beforehand.
One credit equals one record.

When you open an account, you qualify for a 100
credits to test and integrate with the API.

Step 1: Authentication

Open an account and receive an account token and secret key by emailing hello@eltic.io
Please keep it safe.

POST the following structure with your own account token and secret key:

```
{
  "accountToken":
"1315af52-6f0f-13e4-801b-3010520cc698",
  "secretKey": "ThePasswordIsPassword"
}
```

to the URL: https://api.eltic.io/api/accountlogin

After successful authentication you will receive a statetokenkey which is used to pass in the header for future communication. You can reuse the same statetokenkey for up to 12 hours before a new one needs to be requested.

Returned with success example:
```
[{
    "apiAccountToken":"2715bf51-9f1f-11ee-904b-00505600cb55",
    "apiAccountName": "ELTic Head Office",
    "apiAccountEmail": "hello@eltic.io",
    "creditRefreshPerRecord": 5,
    "creditBulkSearchPerRecord": 1,
    "creditPrice": 0.20,
    "creditBalance": 91591
}]
```

Receive the statetokenkey from the header returned for example:
access-control-allow-credentials: true
access-control-allow-origin: https://api.eltic.io
access-control-expose-headers: statetokenkey
content-type: application/json; charset=utf-8
statetokenkey:
u9vhy62w1qcn5wxxs24dmua1dqbjuep2drex8iz5wy089jz5vten1abrq99itcga070f39_3ha_2bf7s38wqw8pipu_ggy8c4i9s0rp5r81dw6c6vnqjrzjyz_2fyc0yphi2vz9fdmwj4_jvhy8ebdznaiuh2tr96549_06xz4p015mpgb9d26r27vj8hujeabpe0w9r

Step 2: Refresh (live)

URL GET:
https://api.eltic.io/api/refresh?vanityName=yourlinkedinpublicname

Add the "statetokenkey" to the header to confirm your identity when sending the "GET" command.

Use the retrieve token to check if the information is compiled and to retrieve the information once the search is concluded.
It takes about 60 seconds for the information to be refreshed from the various sources.

The following information is returned:

```
[
  {
    "RetrieveToken":
"11b3c2b6-ab05-11ee-bac9-00515603cb65"
  }
]
```

Checking if the information is ready to be retrieved:

URL GET:
https://api.eltic.io/api/available?retrievetoken=11b3c2b6-ab05-11ee-bac9-00515603cb65

As the information is refreshed real-time, it takes plus minus 60 seconds to gather all the latest information.

What is being returned:

```
[{
    "IsJsonReady": 1,
    "NumberOfRecords": 1,
    "Size": 0.001
}]
```

IsJsonReady will be 0 if not ready yet and 1 when ready to be retrieved.
NumberOfRecords shows how many records are ready to be retrieved.
If it was unsuccessful, it will be 0.
The Size is in Mb.

Step 3: Retrieve

URL:
https://api.eltic.io/api/retrieve?retrievetoken=11b3c2b6-ab05-11ee-bac9-00515603cb65

Add the "statetokenkey" to the header to confirm your identify when sending the "GET" command.

Please view the Structured Data slide next to see which fields were returned.

Credits are used when calling the retrieve function.

Structure of data returned

Retrieve Id - Unique retrieval number.

Json Result - Data that can be serialised and used.

Row Count - Number of rows in the json result.

Json Size In Mb - The size of the data.

Criteria - The criteria used to filter the data.

Row Number Limit To Return - You control the limit.

Credit Used - Credits used for this specific search.

Json Result Delete After Date - The Json Result will be cleared after one month.

Tstamp - The timestamp of when the search was performed.

Json result can be deserialised.

View the fields that was returned on the next slide.

Json result fields

General
candidateId, fullName, firstName, surname, directPhone, email, linkedInName, linkedInVanityName, linkedInUrl, linkedInLocation, linkedInTitle, linkedInIsHiring, linkedInIsOpenToWork, linkedInHarvestedLast, profilePictureFileName, about, connection, follower, emailValidated, emailValidatedLast, consentLast, consentOk, isRemoteLookFor, countryCode, inserted, lastChanged.

Skills Info
CandidateSkillId, CandidateId, SkillDescription.

Skill LinkedIn Info
CandidateLinkedinSkillId, CandidateId, Skill, Endorsements.

Experience Info
CandidateExperienceId, CandidateId,IsCurrentJob, JobTitle, CompanyName, CompanyHref, CompanyLogoUrl, BasisEngaged, Duration, DurationShort, StartDate, EndDate, Location, BasisLocation, Description.

Education Info
CandidateEducationId, CandidateId, InstitutionName, InstitutionUrl, InstitutionImageSrc, Detail.

Recommendation Info and **Accreditation Info**

Step 4: Bulk Search

URL to POST to: https://api.eltic.io/api/bulksearch

Add the "statetokenkey" to the header to identify yourself.

The following json string can be posted in the body. When the name includes "List" it means you can "pipe" delimited it; for example "Manchester|London" which means people living in Manchester **or** London will be returned. The only **required field** is noOfRecordsRequested.

```
{
  "jobTitleList": "",    "professionList": "",
  "skillList": "",    "countryCode": "gb",
  "locationList": "Manchester|London",
  "openToWork": null,   "hasEmail": null,
  "dateLastUpdated": "2023-01-01",
  "noOfRecordsRequested": 100
}
```

There is an "and" between the variables on the left; for example, when you specify the countryCode as "gb" **and** dateLastUpdated as "2023-01-01" it will only return the records where both are true.

openToWork and hasEmail have 3 options
- null - means ignore
- 1   - means true, the person is open to work
- 0   - means the person is not open to work

Here are some examples to consider using for each field:
"jobTitleList": "Solicitor|Baraster",
"professionList": "Solicitor|College Lecturer", "skillList": "Financial Services|Children|Family - General",
"countryCode": "gb",
"locationList": "Manchester|London", "openToWork": 1,
"hasEmail": 1 , "noOfRecordsRequested": 500

What gets returned (for example):
[{"IsJsonReady": 1, "NumberOfRecords": 451, "Size": 84.3}]

You may now decide if you want to download the result by using the Retrieve command (view step 3). Size is in Mb.

Example

Download and run an example performing a Refresh and Bulk Search in Python.
It will assist in understanding the flow.

https://github.com/elticltd/api-sample-python

Contact Us

You are welcome to schedule
an appointment here:
https://calendly.com/corrievermeer/30min

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