API Integration Document

Global Buyer/Supplier List API

Introduction

The objective of this API is to help you identify global buyers or suppliers of interest.This API enables the user to search companies based on criteria such as buyer/supplier, domicile country, products/HS Codes trading in, and refine the search based on the other available optional request parameters. API Structure

Request

HTTP Method: **POST**
Content-Type: **application/json**
Requires Authentication: **Yes**
Rate Limited: **Yes**

Request Body

Name	Type	Mandatory	Description
companyCountry	array (string)	No	Domicile Countries of the Buyers/ Suppliers. The list of countries can be found in Annexure A below. Default Value: All Countries
excludeCompanyCountry	array (string)	No	A list of countries, to exclude the Companies from these Countries. The list of countries can be found in Annexure A below.
companyState	array (string)	No	Domicile state(or province) of the Buyers/ Suppliers. This attribute can be used for the United States, Mexico and Brazil. The list of states for above countries can be found in Annexure B below.

Name	Type	Mandatory	Description
			Default Value: All States
companyRole	string	Yes	Specifies the role of the company with respect to products/hs-codes Valid values: - Buyer - Supplier
productKeywords	array (string)	No	A list of product keywords to find the companies trading in these products.
excludeProductKeywords	array (string)	No	A list of product keywords, to exclude the trading activity of companies in these products. For Example: All Suppliers from China who do not deal in fish
casNumbers	array (string)	No	A list of CAS (Chemical Abstracts Service) Numbers to find the companies trading in these chemicals.
hsCodes	array (string)	No	A list of 2, 4, 6, 8 or 10-digit HS Codes to find the companies trading in these HS Codes. * 8-digit and 10-digit HS Codes vary by country. These can only be used for valid "CompanyCountry" and "companyRole"
excludeHSCodes			A list of 2, 4, 6, 8 or 10-digit HS Codes, to exclude the trading activities of companies in these HS Codes. For Example: All Suppliers from China who do not trade in HS Code 01 * 8-digit and 10-digit HS Codes vary by country. These can only be used for valid "CompanyCountry" and "companyRole"
countriesTradingWithList	array (string)	No	A list of countries with which the company is trading as the buyer/ supplier (as specified in "companyRole" field above). The list of countries can be found in Annexure A below.
tradeTimePeriod	integer	No	This specifies the number of years in which the trade for the companies need to be evaluated. Valid Response: "1" for Last 1 year

Name	Type	Mandatory	Description
			"2" for Last 2 years "3" for Last 3 years
shipmentValueRange	object		Specifies the range of the total value of goods traded by the companies as per the search criteria.
shipmentValueRange>>minimumValue	integer	No	The minimum value of the total value of goods traded by the companies as per the search criteria. If the maximum value is not specified, the search results include companies with the shipment value that are greater than or equal to the minimum value.
shipmentValueRange>>maximumValue	integer	No	The maximum value of the total value of goods traded by the companies as per the search criteria. If the minimum value is not specified, the search results include companies with the shipment value that are lesser than or equal to the maximum value.
numberOfTradingPartners	object	No	Specifies the range of number of unique global trading partners of the required companies.
numberOfTradingPartners>>minimumValue	integer	No	The minimum value of a number of unique global trading partners of the required company for the companyRole specified above. If the maximum value is not specified, the search results include companies with the number of unique trading partners that are greater than or equal to the minimum value.
numberOfTradingPartners>>maximumValue	integer	No	The maximum value of a number of unique global trading partners of the required company for the companyRole specified above. If the maximum value is not specified, the search results include companies with the number of unique trading partners that are greater than or equal to the minimum value.
ListedCompany	object	No	This determines if the companies are listed on any stock indices.

Name	Type	Mandatory	Description
ListedCompany>>isListed	string	No	This variable determines if the companies to be fetched need to be listed or not. Possible Values Listed - fetches listed companies only Unlisted - fetches listed companies only Both - fetches both listed and unlisted companies The default value is Both
ListedCompany>>listingCountry	array	No	This variable determines the countries where the company needs to be listed. A valid response in this variable could be passed if the above isListed variable contains "Listed". Default Value: "All Countries"
pageSize	integer	No	This defines the number of companies per page. It has to be in multiples of 10. The maximum page size could be 1000. The default value is 10 companies per page.
pageNumber	integer	Yes	Search results can be paginated; this attribute specifies the page to be returned. The maximum value depends on the number of items in the search criterion and the pageSize. For example, if items in the result are 1000 and if pageSize is 10, the maximum pageNumber is 100; if pageSize is 20, the maximum pageNumber is 50
sort	object	No	Determines the sort criteria of the response list
sort>>field	string	No	The field on which the sorting is to be applied Valid values: - numberOfShipments - shipmentValue - numberOfTradingPartners - companyName (Alphabetically) - companyCountry (Alphabetically) If the sort field is not specified, the search results will be sorted according to the companyName
sort>>direction	string	No	The direction of the sort

Name	Type	Mandatory	Description
			Valid values: - ascending - descending If the sort direction is not specified, the search results will be sorted in ascending order

Sample Request application/json

```json
{

  "productKeywords": [
   "coffee",
   "tea"
  ],
  "excludeProductKeywords": [
   "green coffee",
   "green tea"
  ],
  "hsCodes": [
   "09011100",
   "0902"
  ],
  "excludeHSCodes": [
   "0902113"
  ],
  "companyRole": "Buyer",
  "companyCountry": "United States",
  "companyState": "California",
  "companyState": 1,
  "countriesTradingWithList": [
   "Vietnam",
   "China"
  ],
  "numberOfTradingPartners": {
   "minimumValue": 1,
   "maximumValue": 10
  },
  "shipmentValueRange": {
   "minimumValue": 1,
   "maximumValue": 100000
  },
  "pageSize": 10,
  "pageNumber": 2,
  "sort": {
   "field": "country",
   "direction": "ascending"
  }
}
```

Response

HTTP 200

Response Body

Name	Type	Description
totalCompanies	integer	This attribute represents the total number of companies matching the request criteria
companies	array (object)	This attribute will contain a list of companies that match the search criteria
companies>>companyId	string	This attribute is the Trademo unique identifier of a company which could be utilised with Trademo's other APIs
companies>>companyName	string	This attribute contains the name of the company.
companies>>country	string	This attribute contains the domicile country of the company
companies>>state	string	This attribute contains the domicile state of the company wherever available
companies>>city	string	This attribute contains the domicile city of the company wherever available
companies>>zipCode	string	This attribute contains the domicile zip code of the company wherever available
companies>>addressList	string	This attribute contains the list of addresses of the company wherever available
companies>>stockTickers	array (object)	A list of stock tickers of the company if the company is listed
stockTickers>>exchangeName	string	This attribute specified the stock exchange where the company's stock is listed
stockTickers>>ticker	string	The ticker name of the stock in the particular stock exchange.
companies>>matchedCountriesTradingWith	array(string)	This attribute specifies the list of matches found for the company with the "countriesTradingWithList" request parameter.
companies>>numberOfShipments	integer	This attribute specified the relevant number of Shipments as per the search criteria
companies>>ShipmentValue	integer	This attribute specified the relevant Shipment Value as per the search criteria

Name	Type	Description
companies>>matchedProductKeyword	array(string)	This attribute specifies the list of matches found for the company with the productKeywords request parameter.
companies>>matchedHSCodes	array(string)	This attribute specifies the list of matches found for the company with the HS Codes request parameter.
companies>>tradingPartnerCount	integer	This attribute specifies the relevant tradingPartnerCount as per the search criteria.

Sample Response application/json

```json
{
  "totalCompanies": 5000,
  "company": [
    {
      "companyId": "234522",
      "companyName": "walmart",
      "country": "United States",
      "state": "Arkansas",
      "city": "Bentonville",
      "zipCode": "72712",
      "addressList": [
        "702 SW 8th St, Bentonville, AR 72712, United States",
        "2551 E Hallandale Beach Blvd, Hallandale Beach, FL 33009, United States"
      ],
      "hsCodes": [
        "09011100",
        "0902"
      ],
      "stockTickers": {
        "exchangeName": "NYSE",
        "ticker": "WMT"
      }
      "matchedCountriesTradingWith": [
        "China",
        "Thailand"
      ],
      "numberOfShipments": 124435,
      "ShipmentValue": 1224231423,
      "matchedProductKeyword": [
        "fish",
        "coffee"
      ],
      "matchedHSCodes": [
        "0501",
        "0602"
      ],
      "tradingPartnerCount": 5664,
    }
  ]
}
```

Credit Usage

Sno	Count	Credit Usage per request
1.	10 Buyers/ Suppliers	5 credits per request

Company Matcher API

Introduction

This API enables users to search for a company based on criteria such as company name, unique identification number or country. The objective of this API is to help you identify companies of interest so that you can fetch detailed intelligence for the company using the Global Buyer/Supplier Profile API.

API Structure

Request

HTTP Method: **POST**
Content-Type: **application/json**
Requires Authentication: **Yes**
Rate Limited: **Yes**

Request Body

Name	Type	Required	Description
companyName	string	Yes	This attribute contains the name of the company.
uid	object	No	Specifies the unique identification number of the company. This field is available for buyers/suppliers from Mexico, Colombia, Chile, Uruguay and Ecuador
uid>>uidType	string	Yes with uidNumber	This is an optional parameter representing the unique identification type of the company. The UID Number field is mandatory when using this field. Valid values: - For Colombian Company > colombia_nit - For Mexican Company > mexico_rfc - For Chilean Company > chile_rut
uid>>uidNumber	string	Yes with uidType	This is an optional parameter representing a unique identification number of the company. The UID Type field is mandatory when using this field.
companyCountry	string	No	This attribute should contain Domicile Countries of the Buyers/ Suppliers. The list of countries can be found in Annexure A below.
StockListing	object	No	This attribute needs to be used if you want to search for the company using its Stock Ticker.
stockTicker	string	Yes	This attribute should contain the Stock Ticker for the

Name	Type	Required	Description
			company that is being searched. The stockExchangeName field is mandatory along with the stockTicker field.
stockExchangeName	string	Yes	This attribute should contain the Stock Exchange Name where the company being searched is listed. The list of stockExchangeNames can be found in Annexure C below. The stockTicker field is mandatory along with the stockExchangeName field.
matchPercentage	integer		This attribute defines the required minimum match percentage of the company to the overall search criteria. Valid Values 0.00 to 1.00. Default Value: 0.7
nameMatchPercentage	integer		This attribute defines the required minimum match percentage of the company to the searched company name. Valid Values 0.00 to 1.00. Default Value: 0.7
probableMatchesLimit	integer		This attribute defines the number of probable matches to the search criteria that a user can receive in the response. Valid Values 1 to 10 Maximum Value: 10

Sample Request application/json

```
{
  "companyName": "walmart",
  "uid": {
    "uidType": "chile_rut",
    "uidNumber": "93834000-8"
  }
  "StockListing": {
    "stockTicker": "WMT",
    "stockExchangeName": "NYSE"
  }
  "matchPercentage": 0.8,
  "nameMatchPercentage": 0.9,
  "probableMatchesLimit": 5,

}
```

Response

HTTP 200

Content-Type: **application/json**

Response Body

Name	Type	Description
companies	array (object)	This attribute will contain a list of companies that match the search criteria
companies>>companyId	string	This attribute is the unique identifier of the organisation which will be utilised in future APIs
companies>>companyName	string	This attribute contains the name of the company.
companies>>matchPercentage	integer	This attribute defines the match percentage of the company to the overall search criteria.
companies>>nameMatchPercentage	integer	This attribute defines the match percentage of the company to the searched company name.
companies>>uid	array (object)	Determines the unique identification number of the company
uid>>uidType	string	This defines the type for the UID Number field
uid>>uidNumber	string	This is a unique identification number of the company. The UID Type field is mandatory when using this field.
companies>>address	string	This attribute contains the address of the company
companies>>country	string	This attribute contains the country of the company
companies>>state	string	This attribute contains the state of the company
companies>>city	string	This attribute contains the city of the company
companies>>zipCode	integer	This attribute contains the zip code of the company

Sample Response application/json

```
{
  "companies": [
    {
      "companyId": "4256530",
      "companyName": "walmart",
      "nameMatchPercentage": 0.9,
      "probableMatchesLimit": 5,
      "uid": [
        {
          "uidType": "Chile RUT",
```

```
      "uidNumber": "93834000"
    }
  ],
  "address": "702 SW 8th St, Bentonville, AR 72712, United States",
  "country": "United States",
  "state": "Arkansas",
  "city": "Bentonville",
  "zipCode": "72712"
  }
 ]
}
```

Credit Usage

Sno	Count	Credit usage per request
1.	Up to 10 companies above the threshold match score	0 credits per request