SAFETYNET RAPIDAPI WEB SERVICE API REFERENCE

Introduction

To cater the varying needs of its clients, SafetyNet provides a RESTful web-service to facilitate interoperability between client applications and itself. This RESTful web service exposes various HTTP endpoints that can be queried to fetch desired results. Request is made as HTTP GET request to the endpoint and responses are returned as JSON or XML or CSV.

Web-Service Endpoints

1. Sanctions and Watch Lists Screening (Detailed Information)

This API endpoint can be used to search an individual or an entity (organisation) in SafetyNet's High Risk Database. If the individual or entity is found in the High Risk Database, it returns detailed information about the person of interest or entity. SafetyNet has a database of over 7.5 million individuals and entities obtained from over 1800 global sources such as Sanctions Lists, PEP (Politically Exposed Person) Lists, Most Wanted Lists etc.

Example Usage:

https://highrisk-check3.p.rapidapi.com/information/data? name=<name of person or entity>&format=<required response format JSON or XML>&searchtype=<person or entity>

Request

Method	URL
GET	*information/data*

Parameters

Params	Type	Required or Optional	Value	Description
name	String	Required	e.g. - David Cameron	Name of the person or entity of interest
format	String	Optional	**json or xml**	Required response format. *Default value is json*
searchtype	String	Optional	**person or entity**	Makes the API search for a high risk person or an organisation. *Default is person.*
matchtype	String	Optional	**exact or all**	*exact* makes the API return only exact matches of the name passed in the *name* parameter. *all* makes the API return the exact matches as well as similar matches found in the high risk database. *Default is all.*
nationality	String	Optional	e.g. - United States	It's the name of the country. It refers to Nationality in case of a person and name of country of registration for an entity

gender	String	Optional	M or F or O	Male / Female / Other. *By default all 3 are included.* Not applicable in case of entities
age	Number	Optional	e.g. - 45	Age of the person of interest. Not applicable in case of entities
pob	String	Optional	e.g. – Clifton Park or New York or United Sates	Name of the place of birth of person of interest.
alias	String	Optional	e.g. – Don or Commander	Alias name of the person of interest.
offset	number	Optional	e.g. – 1	Start position of record set. *Default value is 1.* For e.g. if 4 is passed as *offset* then first 3 records from the record set are not included in the response.
limit	Number	Optional	e.g. – 3	Number of records to be returned starting from *offset. Default value is 3 per transaction.*
webhook	URL	Optional	e.g. – http://www.abc.com /receiver	If a webhook URL is passed then the API will send the response to the specified URL otherwise the response is sent to requesting source.

Details of Some Response Fields (Keys/Tags) (In case of Person Search)

Field Name	Description
FNAME	First Name
LNAME	Last Name
NATIONALITY	Nationality
ADDRESS	Address or Addresses know
RISK_TYPE	Risk associated with the person. Like Terrorism, Enforcement etc.
ALIASES	Alias or AKA names
IDS	Person Ids like passport number, Tax Number etc
DOB	Date of Birth
POB	Place of Birth
POSITIONS	Information about the positions held by the person
SPOUSE	Name of the Spouse
CHILDREN	Name of the Children
REMARKS	Various reports about the person of interest gathered from different sources
SANCTIONS	List of Sanctions imposed on the person with details
OTHERRELATIONS	Name list of associates and relatives other than spouse and children

Details of Some Response Fields (Keys/Tags) (In case of Entity(Organisation) Search)

Field Name	Description
NAME	Name of the organisation
COUNTRY_OF_REGISTRATION	Name of the country where the organisation is registered
ADDRESS	Address or Addresses know
RISK_TYPE	Risk associated with the entity. Like Terrorism, PEP(Political Party) etc.
ALIASES	Alias or AKA names
IDS	Identification Numbers like Registration Number etc.
REMARKS	Various reports about the entity of interest gathered from different sources
SANCTIONS	List of Sanctions imposed on the entity with details

Note: If any of the field contains multiple values then these multiple values are returned as JSON array in case of JSON response and multiple item tags in case of XML response.

2. Sanctions and Watch Lists Screening (Name Check Only)

This API endpoint searches a queried person or entity in SafetyNet's High Risk Database and returns if it is found or not. If the person or the entity is found it also adds short details to the response.

Example Usage:

***https://highrisk-check3.p.rapidapi.com/information/existence?** name=<name of individual or entity>**&format=**<required response format JSON or XML>*

Request

Method	URL
GET	*information/existence*

Parameters

Params	Type	Required or Optional	Value	Description
name	String	Required	e.g. - Theresa May, Donald Trump, Narendra Modi	Name of the person or entity of interest. Comma separated multiple names can be passed for e.g. Theresa May, Donald Trump, Narendra Modi
format	String	Optional	**json or xml**	Required response format. *Default value is json*
searchtype	String	Optional	**person or entity**	Makes the API search for a high risk person or an organisation. *Default is person.*
matchtype	String	Optional	**exact or all**	*exact* makes the API return only exact matches of the name passed in the *name* parameter. *all* makes the API return the

				exact matches as well as similar matches found in the high risk database. *Default is all.*
webhook	URL	Optional	e.g. – http://www.abc.com /receiver	If a webhook URL is passed then the API will send the response to the specified URL otherwise the response is sent to requesting source.

Details of Some Response Fields (Keys/Tags) (In case of Person Search)

Field Name	Description
name1	If comma separated multiple names are passed, then multiple name keys will be generated each for a name passed like name1, name2, …
name	Name(s) passed to API end point
message	This will indicate whether name searched is found or not in the high risk database.
FNAME	First Name
LNAME	Last Name
NATIONALITY	Nationality
ADDRESS	Address or Addresses know
RISK_TYPE	Risk associated with the person. Like Terrorism, Enforcement etc.
DOB	Date of Birth
POB	Place of Birth

Details of Some Response Fields (Keys/Tags) (In case of Entity(Organisation) Search)

Field Name	Description
name1	If comma separated multiple names are passed, then multiple name keys will be generated each for a name passed like name1, name2, …
name	Name(s) passed to API end point
message	This indicates whether name searched is found or not in the high risk database.
NAME	Name of the organisation
COUNTRY_OF_REGISTRATION	Name of the country where the organisation is registered
RISK_TYPE	Risk associated with the entity. Like Terrorism, PEP(Political Party) etc.
ALIASES	Alias or AKA names

3. News Media Screening

This API endpoint searches the person of interest in millions of external global news sources and returns the news articles in which person of interest was found with details, negative or positive sentiment and key connections found related to person of interest.

Example Usage:

*https://news-media-screening.p.rapidapi.com/ai/news? name=<name of person>**&format=<json or xml>***

Request

Method	URL
GET	*ai/news*

Parameters

Params	Type	Required or Optional	Value	Description
name	String	Required	e.g. – David cameron	Name of the person or entity of interest
format	String	Optional	**json or xml**	Required response format. *Default value is json*
searchtype	String	Optional	**person or entity**	Makes the API search for a high risk person or an organisation. Default is person.
keyword	String	Optional	e.g. ISIS, Syria	To fine tune the API response one or more keywords can be passed to this API. Multiple keywords can be passed. e.g. ISIS, Syria
realtime	String	Optional	**true** or **false**	If this parameter is set to true, the API end not only searches the entity of interest in indexed dataset of millions of news records accumulated from various news sources but also searches the entity of interest in real time in live news sources. Results from the live search gets priority in the response.
webhook	URL	Optional	e.g. – http://www.abc.com /receiver	If a webhook URL is passed then the API will send the response to the specified URL otherwise the response is sent to requesting source.

Details of Some Response Fields (Keys/Tags)

Response field name	Description
callcount	Number of API calls made, of total API calls available
title	Title of the news article.
url	URL of the news article.
description	Short content of the news article.
negative_information	A snippet of content from news article in which negative information found of the person of interest.
article_date	Publish Date of the article.

4. ID Verification

With this API endpoint SafetyNet provides the ability to scan and validate an ID document passed into it. It is capable of verifying Id's from 200+ countries. It not only returns if the ID is authentic or not, but also mentions reason. It can also identify the type of the ID document (driver's license, national id etc.). It also returns if the ID image passed is tampered with or digitally manipulated. SafetyNet supports processing of driver's licenses, state IDs, other govt issued IDs, custom IDs, passports, medical insurance cards etc. For complete list of IDs supported please go to following URL: https://app.safetynet.ai/api/api_reference/SafetyNet List of Supported Ids.pdf

Example Usage:

https://id-verification1.p.rapidapi.com/verifyID/verify? side=<front or back or both> &front_imgurl=<url of the front image of the ID>&format=<required response format JSON or XML>

Request

Method	URL
GET	*verifyID/verify*

Parameters

Params	Type	Required or Optional	Value	Description
side	String	Required	front or back or both	Defines which side of the ID document is passed for verification i.e. scanned image of front side is passed or scanned image of back side is passed or scanned images of both front and back is passed to the API.
front_imgurl, back_imgurl	URL	Required	e.g. http://www.abc.com /idimage.png	- If **side** parameter value is set to **front,** then **front_imgurl** is mandatory and used to pass the scanned image URL of the front side of the ID document to the API. - Similarly, if **side** parameter value is set to **back,** then **back_imgurl** is mandatory and used to pass the scanned image URL of the back side of the ID document to the API. - If **side** parameter value is set to **both,** then both **front_imgurl** and **back_imgurl** are mandatory and the scanned image URLs of both the sides of the ID document are passed to the API using both **front_imgurl** and **back_imgurl.**
format	String	Optional	**json or xml**	Required response format. *Default value is json*
webhook	URL	Optional	e.g. – http://www.abc.com /receiver	If a webhook URL is passed, then the API will send the response to the specified URL otherwise the response is sent to requesting source.

img_source	Number	Optional	0, 1, 2 or 3	**img_source** parameter can be set to specify how the id image was captured. Acceptable values are **0** (if unknown or for automatic detection) **default**, **1** (if captured through a camera), **2** (if captured through a scanner) and **3** (if captured through a mobile)
img_size	Number	Optional	0, 1 or 2	**img_size** parameter can be set to specify what type of id size the image is. Acceptable values are **0** (if unknown or for automatic detection) **default**, **1** (for id's other than passports) and **2** (for passports)
img_crop	Number	Optional	0, 1 or 2	**img_crop** parameter can be set to specify if the id image should be cropped. Acceptable values are **0** (if id image should not be cropped), **1** (if id image should be cropped), **2** (if id image should be cropped based on SafetyNet's automatic detection) **default**.

Following are the recommendations and restrictions for the image files passed as parameter to the API:

Supported Image File Formats:

Format	File Extension
Windows Bitmap	bmp
PNG	png
TIFF	tiff
JPEG	jpeg
JPEG-XR	vnd.ms-photo
JPEG 2000	jp2

Image Compression Recommendations:

Light Source	Minimum	Recommended
Visible	500 KB	600-1200 KB
Near-Infrared	200 KB	250-500 KB
Ultraviolet	125 KB	150-300 KB
Coaxial	125 KB	150-300 KB

Image Color Depth Requirements:

Illumination Source	Color Depth Requirement
Visible (white)	24-bit RGB color
Near-infrared	8-bit grayscale
Ultraviolet-A	24-bit RGB color
Ultraviolet-B	24-bit RGB color

Details of Some Response Fields (Keys/Tags)

Field Name	Description
IDAuthentication	ID document authentication result. "unknown" or "failed" or "passed"
IDType / DocumentClassName	Type of the ID document identified by SafetyNet, whether it's a driver's license or any national id or any other identified id. Possible values can be: Passport, Visa, Drivers License, Identification Card, Permit, Residence Document, Travel Document, Birth Certificate, Vehicle Registration, Weapon License and Voter Identification.
IDName	Name of the ID document like Virginia (VA) Driver's License
IDIssueOn	Date of ID issuance
Despositions	Results of various forensic tests applied on the ID document