

VITAL SEARCH API

Documentation

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VITAL⁴

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Document History

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3.0.39	9-17-2025	Add WlsResultType field	Alejandro Becker
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1. Overview

1.1. Schema

All data is sent and received as JSON, unless specified otherwise.

All text sent must be in UTF-8 format.

All timestamps are in [ISO 8601](#) format: YYYY-MM-DDTHH:MM:SS.

Please see [ISO 3166-1 alpha 3](#) for accepted Country Codes (PEP)

Please see [USPS US State Abbreviations](#) for accepted US State Codes

1.2. Products and Categories

Vital4 offers the following different products to search.

ID	Name	Description
WLS	Watchlists and Sanctions	VITAL4WLS – Global Watch Lists & Sanctions
NM	Adverse Media	VITAL4AdverseMedia – Global Adverse Media
PEP	Politically-Exposed Persons	VITAL4PEP
CRIM	National Criminal	VITAL4NatCrim
DueDiligence	Due Diligence	Vital4DueDiligence
Vital4Trace	Vital4Trace	Vital4 SSN Trace

1.2.1. WLS – Categories

Abbreviation	Name
ALLWL	All WLS categories
ACTIV	Activist
AMLKC	AML/KYC Compliance
EXDEB	Exclusion/Debarment
FINAN	Financial
GLCRM	Global Criminal
GLHLC	Global Healthcare
GWLAS	Global Watch Lists and Sanctions
IMEXP	Import/Export
NATCF	National Criminal File
NATHC	National Healthcare
OIGHS	Office of the Inspector General
RLEST	Real Estate
SAMGE	SAM.gov Exclusions
SAMGV	SAM.gov
SXOFF	Sex Offenders
WCORR	Corruption
WOFAC	OFAC
WTERR	Terrorism

1.2.2. NM – Categories

Abbreviation	Name
ALLNM	All NM categories
ANRTS	Animal Rights
BUFIN	Business & Financial
CRCRT	Crime & Courts
GNEWS	General News
MISEC	Military & Security
NMCOR	Corruption
POGOV	Politics & Government

1.2.3. PEP – Categories

Abbreviation	Name
ALLPP	All PEP categories

1.2.4. Nat Crim

Abbreviation	Name
V4CRI	National Criminal – Non FCRA

1.2.5. Due Diligence

Abbreviation	Name
ALLDD	All Categories-DD
DDMLS	Nationwide Multistate Licensing System
DDMGS	Morningstar Stock Information
DDFDC	FDIC insured banks
DDNCU	National Credit Union Association
DDFCA	Farm Credit Administration

1.2.6. Vital4Trace

Abbreviation	Name
Vital4Trace	Vital4 SSN Trace

2. Access and Authentication

2.1. Request Account Access

Contact sales team to have an API account created. The Provisioning team will create the account, with the specified permission. The user will be sent a UserName (Domain), ClientKey (password), BillingCodeID and Endpoints.

2.2. Authentication

For the client to access the data, you must first get an access token by making a token call with the Username (Domain) and ClientKey (password) provided by the provisioning team.

Note: The token must be placed in the **Authorization** header using the following schema **Bearer {token}**

3. Token

A token is required to access all other endpoints. Tokens are good for 10 minutes. Please consider this in your integration development, as token creation is only required every 10 minutes, and creating a token for every call can put unnecessary load on the system.

3.1. Create Token

3.1.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	No

3.1.2. Request

The HTTP method and URL is as follows:

Method	URL
POST	/token

Note: The Content-Type must be `application/x-www-form-urlencoded`

3.1.3. Parameters

This API includes the following parameters:

Name	Type	Description	Required
username	string	Your 5-digit ID provided by V4D	Yes
password	string	Your ClientKey provided by V4D	Yes

3.1.4. Response

If successful, this method returns a response body with the following structure:

```
{
  "access_token": string,
  "expires_in": integer
}
```

Name	Type	Description
access_token	string	An arbitrary string.
expires_in	integer	Number of seconds until token expires.

3.1.5. Samples

Sample Request

POST /token

Content-Type: application/x-www-form-urlencoded

Body:

username=ABCDE&password=d8741316-777a-40be-a92c-fe4f26f0f7da

Sample Response

```
{
  "access_token": "ZiI6MTU0ODg2OTI3NSwiZXhwIjoxNTQ4..."
  "expires_in": 600
}
```

4. Search

Used to search all products Watchlists and Sanctions, Adverse Media, and Politically-Exposed Persons.

4.1. Create Search

4.1.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

4.1.2. Request

The HTTP method and URL is as follows:

Method	URL
POST	/search/searchfcra

4.1.3. dataParameters

This API includes the following parameters.

```
{
  "billingCodeId": guid,
  "subject": string,
  "subjectId": string,
  "needsTranslation": boolean,
  "dateOfBirthFilter": boolean,
  "categories": string,
  "aliases": [
    string
  ],
  "parameters": Search Parameters,
}
```

```

"options": Search Options,
"monitoring": {
  "monitor": boolean,
  "schedule": {
    "scheduleType": string,
    "endAt": datetime
  }
}
}

```

Name	Type	Description	Required
billingCodeId	guid	ID provided by Vital4.	Yes
subject	string	Name of individual or business.	Yes
subjectID	string	This is the ID the client has assigned to the Subject used to match the response to the record in the client's database.	Sometimes When using with Monitoring.
needsTranslation	boolean	Whether the subject and/or aliases needs to be translated. This only translates the subject name from non-Latin characters (e.g. Chinese, Japanese, Greek, Russian) to Latin characters. Please only pass True for entries that need to be translated from non-Latin characters into Latin characters. <u>Please do not pass True for all API calls by default, this feature will slow</u>	No

		<u>down your response time.</u>	
dateOfBirthFilter	boolean	When set to true, only results that match the searched DOB will be returned. Set to false, all results with name-match scores at or above the relevancy score setting will be returned. Default is false. Please note that if the result does not contain a DOB value, it will be returned regardless of the setting being true or false.	No
categories	string	Product category(-ies) to search. When using more than one product category separate each value with a comma or semicolon. See Products and Categories	Yes
aliases[]	list	List of any aliases to search.	No
parameters	object	Optional search criteria.	No
parameters.age	string	Number value entered as a text.	No
parameters.dateOfBirth	string	Individual's age entered as text.	No
parameters.freetext	string	Input any keyword text you would like added to the search. Several search words	No

		or phrases should be separated by a comma or a semicolon.	
parameters.identifier	string	Any values associated to the Individual or Business. For example: Passport number or Business License.	No
parameters.addressline1	string	In the US this value would be the Number and Street Name.	No
parameters.addressline2	string	In the US this value would be the Suite or PO Box.	No
parameters.city/district	string	City or District	No
parameters.state/province/region/locality	string	State, Province, Region, or Locality	No
parameters.country	string	Country of the searched subject.	No
parameters.countryCodes	string	Comma separated list of country codes expressed in ISO 3166-1 alpha 3 format. Currently only used to filter level 1 and level 2 PEP profiles. <i>Please note that any of the following codes will be accepted for Yugoslavia: (BIH, HRV, MKD, MNE, SRB, and RSK) – BIH will always be the displayed code in the PEP profile.</i>	No

parameters.postalcode	string	Postalcode	No
parameters.sourcecountry	string	Identifies the country where the data was captured expressed in ISO 3166-1 alpha-3 format.	No
options	object	Additional search options	No
options.pep	object	Additional search options for pep searches.	No
options.pep.excludeFields	list	String enumeration of fields that will be ignored during the search and hidden in the response body. If the name searched appears in an excluded field, the profile will not return. All values in an excluded field will be hidden in any profile that does return. Possible values include "Professional History", "Member Of", "Employer", "Education", "Awards Received", "Notable Work", "Convicted", "SourceInfoURL" "Affiliation". Please note an error will not occur for any provided value not in our list of acceptable values.	No
options.pep.profileLevels	list	Numeric value indicating what pep	No

		<p>profile levels to search. Allowed values: 1 – 8</p> <p>1 – Name</p> <p>2 – Alias</p> <p>3 – Family Members</p> <p>4 – Social</p> <p>5 – Business Relations</p> <p>6 – Business Partnerships</p> <p>7 – Lobbying</p> <p>8 – Stakeholders</p>	
options.pep.includeBlankDOB	boolean	When dateOfBirthFilter is true adds an additional filter to include the blanks dob for the pep search	<p>If dateOfBirthFilter is true</p> <p>Default value is TRUE. Blank DOB's will only be excluded if user sets this to FALSE.</p>
options.wls	object	Additional search options for WLS searches	No
options.wls.countryCodes	list	<p>List of country codes expressed in ISO 3166-1 alpha 3 format for the country source information on WLS only. If entered, only WLS results that come from sources in those countries will be returned. Please note that any of the following codes will be accepted for Yugoslavia: (BIH,</p>	No

		HRV, MKD, MNE, SRB, and RSK) – BIH will always be the displayed code in the WLS result. You may also enter the word “Global” to search on WLS records that come from Global sources.	
options.wls.sourceLanguages	list	List of allowed language names for the source language information. If entered, only WLS results that come from sources in those languages will be returned. Sending an empty list and not sending the field will return results in all languages. Language names as case-sensitive and allowed list of languages can be found here .	No
options.wls.includeBlankDOB	boolean	When dateOfBirthFilter is true adds an additional filter to include the blanks dob for the wls search	<p>must be true</p> <p>TRUE = blank DOB’s included in results</p> <p>FALSE = records with blank DOB are not returned in results.</p> <p>Default value is TRUE</p>
options.am	object	Additional search options for AM searches	No

options.am.countryCodes	list	List of country codes expressed in ISO 3166-1 alpha 3 format for the country source information on AM only . If entered, only AM results that come from sources in those countries will be returned. Please note that any of the following codes will be accepted for Yugoslavia: (BIH, HRV, MKD, MNE, SRB, and RSK) – BIH will always be the displayed code in the AM result. You may also enter the word “Global” to search on AM records that come from Global sources.	No
options.am.isOrganization	boolean	“true” if the subject is a non-person (organization, business, company, ...). “false” when the subject is a person. The default value is false.	No
options.am.sourceLanguages	list	List of allowed language names for the source language information. If entered, only AM results that come from sources in those languages will be returned. Sending an empty list and not	No

		sending the field will return results in all languages. Language names as case-sensitive and allowed list of languages can be found here .	
monitoring	object	Monitoring options.	No
monitoring.monitor	boolean	Whether this search should be monitored.	No
monitoring.schedule	object	Schedule options.	
monitoring.schedule.scheduleType	string	String enumeration for monitor frequency. Default value is Monthly. Possible values are <u>DAILY, WEEKLY, MONTHLY, QUARTERLY, OR ANNUALLY.</u>	No
monitoring.schedule.endAt	datetime	Specifies when the monitoring should stop, expressed in ISO 8601 .	No

4.1.4. Response

```
{
  "approximateTotalRecords": integer,
  "subject": string,
  "subjectId": string,
  "billingCodeId": guid,
  "results": {
    Subject Result Resource
  },
  "aliasResults": [
    Subject Result Resource
  ],
  "monitor": {
    "monitorId": guid,
```

```

    "duplicate": boolean,
    "success": boolean,
    "message": string,
  },
  "searchedProducts": {
    (key): {
      "categories": [
        string
      ],
      "minScore": float
    }
  }
}

```

Name	Type	Description
approximateTotalRecords	integer	Total number of search results.
subject	string	Name of individual or business searched.
subjectId	string	Provided SubjectId
billingCodeId	guid	Provided BillingCodeId
results	object	Results for the subject. Includes subject and translated subject.
aliasResults[]	list	The list of results for all aliases. Includes subject and translated subject results.
monitor	object	Only populated if the search was marked for monitoring.
monitor.monitorId	guid	The ID for the monitor created.
monitor.duplicate	boolean	Whether a monitor already exists for this subjectId.
monitor.success	boolean	Whether a monitor was successfully created.
monitor.message	string	A plain text message in regards to creating a monitor.

searchedProducts	object	Information on the products searched.
searchedProducts.(key)	string	Identifies the product.
searchedProducts.(key).categories[]	list	The categories searched for this product.
searchedProducts.(key).minScore	float	If configured, shows the minimum relevancy score used for this product for this search. Any results below this value have been excluded.

4.1.5. Response Time

X-Response-Time-ms will be in the header response if the following endpoints are called.

API V2

search/SearchFcra
 search/Fcra/Pep
 search/Fcra/Crim
 search/Crim
 search/UserRegistration

API V3

search/SearchFcra
 search/Fcra/Crim
 search/Crim
 search/Vital4Trace
 search/UserRegistration

4.1.6. Rate Limiting

Rate limiting is a strategy for limiting network traffic. It puts a cap on how often an action can be repeated within a certain timeframe.

When rate limiting is applied to a request it will contain the following response headers:

Name	Description
X-Rate-Limit-Limit	The maximum number of requests can be sent in a specific time window.
X-Rate-Limit-Remaining	The number of requests left for the remaining time window.
X-Rate-Limit-Reset-Seconds	The remaining time window (in seconds) before the rate limit counter resets.

If the limit is exceeded, the response will have HTTP 429 (Too Many Requests) status code with the following content:

“Request rate limit is exceeded. (Maximum ... requests in ... seconds)”

4.1.7. Samples

Sample Request

POST /search/searchfcra

Body:

```
{
  "billingCodeId": "144da11b-6e02-42de-8402-b26ad52fedc6",
  "subject": "Donald Trump",
  "aliases": [
    "POTUS"
  ],
  "subjectId": "GA94924-83",
  "categories": "ALLPP,FINAN,GNEWS,BUFIN,ALLDD",
  "needsTranslation": false,
  "dateOfBirthFilter": false,
  "parameters": {
    "age": "56",
    "dateOfBirth": "7/3/1962",
    "freetext": "keyword1; keyword2",
    "identifier": "some identifier",
    "addressline1": "123 Peachtree St",
    "city/district": "Atlanta",
    "state/province/region/locality": "GA",
    "country": "USA",
    "countryCodes": "USA,CAN",
```

```
"postalcode": "30303",
"sourcecountry": "USA",
},
"options": {
  "wls": {
    "countryCodes": [
      "NLD","USA"
    ],
    "includeBlankDOB": true
  },
  "pep": {
    "excludeFields": [
      "social",
      "business relations"
    ],
    "profileLevels": [
      1,
      2,
      3
    ],
    "includeBlankDOB": true
  }
},
"monitoring": {
  "monitor": true,
  "schedule": {
    "scheduleType": "Weekly",
    "endAt": "2023-06-15"
  }
}
}
```

Sample Response

```
{
  "approximateTotalRecords": 1521,
  "subject": "Donald Trump",
  "subjectId": "GA94924-83",
  "billingCodeId": "144da11b-6e02-42de-8402-b26ad52fedc6",
  "results": {
```

```

"subject": "Donald Trump",
"results": {
  "wlsResults": [
    {
      "score": 0.8825105,
      "category": "NATCF,SXOFF",
      "productId": "WLS",
      "resultId": 1,
      "sourceId": 124,
      "address": "265 E JACKSON ST DOVER, NJ 07801",
      "age": "59 (DOB: 03/30/1959)",
      "aliasList": "DONALD THOMPSON",
      "caution": "2C:24-4A - Endangering the Welfare of a Child",
      "dateOfBirth": null,
      "entityName": null,
      "eyeColor": "Brown",
      "gender": "M",
      "hairColor": "Gray",
      "height": "5'10'",
      "highlights": [],
      "identifier": "231981",
      "individualName": "DONALD T THOMPSON",
      "nationality": null,
      "placeOfBirth": null,
      "program": null,
      "race": "White",
      "remarks": "Scar on L eye () , Scar on Head () , Scar on
Forehead () , Scar on Nose () , Scar on Back ()",
      "sourceAgencyAcronym": "N/A",
      "sourceAgencyName": "New Jersey State Police",
      "sourceListType": "State Sex Offender Registry",
      "sourceParentAgency": "N/A",
      "sourceRegion": "North America",
      "sourceCountry": "USA",
      "subjectMatched": "DONALD T THOMPSON",
      "text": "Offender Search: Offender Details Details Name: DONALD
T... ",
      "url": "http://www.icrimewatch.net/...",
      "weight": "176lbs"
    }
  ]
}

```

```

    }
  ],
  "nmResults": [
    {
      "score": 1,
      "category": "GNEWS",
      "productId": "NM",
      "resultId": 3,
      "sourceId": 323,
      "highlights": [],
      "subjectMatched": "Donald Trump",
      "text": "Nearly 100 of America's top tech companies like Apple,
Google and Facebook ...",
      "url": http://www.dnaindia.com/world/report-us-tech-giants-
file-legal-action-over-trump-s-travel-ban-2314039,
      "sentimentConfidenceLevel": "Moderate"
    }
  ],
  "pepResults": [
    {
      "score": 1,
      "productId": "PEP",
      "profileId": 73616,
      "resultId": 4,
      "country": "United States of America",
      "countryCode": "USA",
      "name": "Donald Trump",
      "gender": "male",
      "placeOfBirth": "Jamaica Hospital",
      "dateOfBirth": "1946-06-14",
      "dateOfDeath": null,
      "birthName": "Donald John Trump",
      "nativeName": "Donald Trump",
      "imageUrl":
https://commons.wikimedia.org/wiki/Special:FilePath/Official%20President
ial%20Portrait%20of%20President%20Donald%20J.%20Trump%20%282025%29.jpg,
      "professionalHistory": [
        "President of the United States of America",
        "director",
        "chairperson"
      ]
    }
  ]

```

```

],
"memberOf": [
  "Forbes list of billionaires",
  "Republican Party"
],
"employer": [],
"education": [ ...
],
"awardsReceived": [ ...
],
"notableWork": [ ...
],
"convicted": [],
"sourceInfoURL": [],
"address": [ ...
],
"aliases": [ ...
],
"scoreBoosts": [
  "Score Boosted from 1 to 1.02 (Profile ID: 73616) Alias The
Don found in The Donald"
],
"pepSearchType": 0,
"familyMembers": [
  {
    "relationType": "Relative",
    "name": "Elizabeth Trump"
  },
  {
    "relationType": "Spouse",
    "name": "Ivana Trump"
  }
],
"social": [ ...
],
"businessRelations": [ ...
],
"businessPartnerships": [ ...
],

```

```
"lobbying": [],
"stakeholder": [ ...
],
"contributions": [ ...
]
}
],
"ddResults": [
{
  "productId": "DueDiligence",
  "score": 1,
  "entityName": "TRUMP DONALD LLC",
  "fullAddress": "1905 NAGAWICKA RD, HARTLAND, WI, 53029",
  "sourceAgencyName": "Secretary of State",
  "aliasList": "TRUMP DONALD LLC",
  "identifier": null,
  "status": "Active",
  "state": "WI",
  "incorporationState": "WI",
  "incorporationDate": "2020-09-01T00:00:00",
  "exchange": null,
  "ticker": null,
  "sharePrice": null,
  "industry": null,
  "domesticIndicator": "",
  "url": "",
  "companyUrl": null,
  "regulatoryActions": [],
  "branchLicenses": [],
  "principleNames": null
}
]
},
"translatedSubject": null,
"translatedResults": {
  "wlsResult": null,
  "nmResults": null,
  "pepResults": null,
  "ddResults": null
}
```

```
    }
  },
  "aliasResults": [
    {
      "subject": "POTUS",
      "results": {
        "wlsResults": [...],
        "nmResults": [...],
        "pepResults": [...],
        "ddResults": [...]
      },
      "translatedSubject": null,
      "translatedResults": {
        "wlsResult": null,
        "nmResults": null,
        "pepResults": null,
        "ddResults": null
      }
    }
  ],
  "monitor": {
    "monitorId": "15249ac5-19d8-4bbf-8c2f-50244e5eccc9",
    "duplicate": false,
    "success": true,
    "message": "Monitor successfully created"
  },
  "searchedProducts": {
    "WLS": {
      "categories": [
        "FINAN"
      ],
      "minScore": 0.8
    },
    "NM": {
      "categories": [
        "GNEWS",
        "BUFIN"
      ]
    }
  },
}
```

```

"PEP": {
  "minScore": 0.875
},
"DueDiligence": {
  "categories": [
    "ALLDD"
  ],
  "minScore": 0.85
}
}
}

```

4.2. Overview

4.2.1. Search Parameters

```

{
  "age": string,
  "dateofbirth": string,
  "freetext": string,
  "identifier": string,
  "addressline1": string,
  "addressline2": string,
  "city/district": string,
  "state/province/region/locality": string,
  "country": string,
  "countryCodes": string,
  "postalcode": string,
  "sourcecountry": string
}

```

Name	Type	Description
age	string	Individual's age.
dateofbirth	string	Individual's date of birth.
freetext	string	Keywords

identifier	string	Any values associated to the Individual or Business. For example: Passport number or Business License.
addressline1	string	In the US this value would be the Number and Street Name of the searched subject.
addressline2	string	In the US this value would be a Suite or PO Box.
city/district	string	City or district of the searched subject.
state/province/region/locality	string	Locality of the searched subject.
country	string	Country of the searched subject.
countryCodes	string	Comma separated list of country codes expressed in ISO 3166-1 alpha 3 format. Currently only used to filter level 1 and level 2 PEP profiles. <i>Please note that any of the 7 following codes will be accepted for Yugoslavia: (BIH, HRV, MKD, MNE, SRB, and RSK) – BIH will always be the displayed code in the PEP profile.</i>
postalcode	string	Postal Code of the searched subject.
sourcecountry	string	Country of the source information (ISO 3166-1 alpha 3).

4.2.2. Search Options

```
{
  "wls": {
    "countryCodes": [
      string
    ],
    "sourceLanguages": [
      string
    ],
    "includeBlankDOB": Boolean
    "wlsResultType": [
      int
    ]
  },
  "am": {
```

```

"countryCodes": [
  string
],
"isOrganization": boolean,
"sourceLanguages": [
  string
],
"amSearchType": "integer",
},
"pep": {
  "excludeFields": [
    string
  ],
  "profileLevels": [
    int
  ],
  "includeBlankDOB": boolean
}
}

```

Name	Type	Description
pep	object	Search options for PEP product
pep.excludeFields[]	list	String enumeration of fields that will be ignored during the search and hidden in the response body. If the name searched appears in an excluded field, the profile will not return. All values in an excluded field will be hidden in any profile that does return. Possible values include "Professional History", "Member Of", "Employer", "Education", "Awards Received", "Notable Work", "Convicted", "SourceInfoURL" "Affiliation". Please note an error will not occur for any provided value not in our list of acceptable values.
pep.profileLevels[]	list	The fields in Vital4PEP's responses are classified as follows with regard to PEP Level 1-8. These labels can be used in client integration for any

		<p>filtering or selection-criteria requirements specific to your needs for PEP.</p> <p>1 – Profile Name</p> <p>2 – Profile Alias</p> <p>3 – Family Members</p> <p>4 – Social</p> <p>5 – Business Relations</p> <p>6 – Business Partnerships</p> <p>7 – Lobbying</p> <p>8 -- Stakeholders</p>
wls	object	Search options for WLS product
wls.countryCodes[]	list	List of country codes expressed in ISO 3166-1 alpha 3 format for the country source information on WLS only . If entered, only WLS results that come from sources in those countries will be returned. Please note that any of the following codes will be accepted for Yugoslavia: (BIH, HRV, MKD, MNE, SRB, and RSK) – BIH will always be the displayed code in the WLS result. You may also enter the word “Global” to search on WLS records that come from Global sources.
wls.sourceLanguages[]	list	List of allowed language names for the source language information. If entered, only WLS results that come from sources in those languages will be returned. Sending an empty list and not sending the field will return results in all languages. Language names as case-sensitive and allowed list of languages can be found here .
wls.wlsResultType[]	list	<p>Certain sources indicate the type of entity being sanctioned. Selected values will be included in search results where the source differentiates them. Multiple values should be comma separated.</p> <p>1 = Entity; 2 = Individual, 3 = Aircraft, 4 = Vessel</p>
am	object	Search options for WLS product
am.countryCodes[]	list	List of country codes expressed in ISO 3166-1 alpha 3 format for the country source information on AM only . If entered, only AM results that

		come from sources in those countries will be returned. Please note that any of the following codes will be accepted for Yugoslavia: (BIH, HRV, MKD, MNE, SRB, and RSK) – BIH will always be the displayed code in the AM result. You may also enter the word “Global” to search on AM records that come from Global sources.
am.isOrganization	boolean	“true” if the subject is a non-person (organization, business, company, ...). “false” when the subject is a person.
am.sourceLanguages[]	list	List of allowed language names for the source language information. If entered, only AM results that come from sources in those languages will be returned. Sending an empty list and not sending the field will return results in all languages. Language names as case-sensitive and allowed list of languages can be found here .
am.amSearchType	integer	0 = Adverse Media 1 = AM + Foreign Languages 2 = AM Expanded

4.2.3. Subject Result Resource

```
{
  "subject": string,
  "results": Result Resource,
  "translatedSubject": string,
  "translatedResults": Result Resource
}
```

Name	Type	Description
subject	string	
results	object	
translatedSubject	string	

translatedResults	object	
-------------------	--------	--

4.2.4. Result Resource

```
{
  "wlsResults": [
    Wls Result
  ],
  "nmResults": [
    Nm Result
  ],
  "pepResults": [
    Pep Result
  ],
  "ddResults": [
    Due Diligence Result
  ]
}
```

Name	Type	Description
wlsResults[]	list	The list of WLS results
nmResults[]	list	The list of NM results
pepResults[]	list	The list of PEP results
ddResults[]	list	The list of Due Diligence results

4.2.5. Wls Result Resource

```
{
  "score": float,
  "category": string,
  "productId": string,
  "resultId": integer,
  "sourceId": long,
}
```

```
"address": string,
"age": string,
"aliasList": string,
"birthYears": [
  integer
],
"caution": string,
"dateOfBirth": string,
"datesOfBirthNormalized": [
  datetime
],
"entityName": string,
"eyeColor": string,
"gender": string,
"hairColor": string,
"height": string,
"highlights": [
  string
],
"identifier": string,
"individualName": string,
"nationality": string,
"placeOfBirth": string,
"program": string,
"race": string,
"remarks": string,
"sourceAgencyAcronym": string,
"sourceAgencyName": string,
"sourceListType": string,
"sourceParentAgency": string,
"sourceRegion": string,
"sourceCountry": string,
"subjectMatched": string,
"text": string,
"url": string,
"weight": string
"wlsResultType": int
}
```

Name	Type	Description																																				
score	float	<p>The calculated relevancy match percentage is based on matching the name submitted with the name in the record. The score could also be boosted if any of the following parameters from the record match what the user submitted.</p> <table border="1"> <thead> <tr> <th>Field</th> <th>WLS</th> <th>NM</th> <th>PEP</th> </tr> </thead> <tbody> <tr> <td>Source Country</td> <td>0.01</td> <td>0.01</td> <td></td> </tr> <tr> <td>Age</td> <td>0.01</td> <td></td> <td></td> </tr> <tr> <td>Identifier</td> <td>0.03</td> <td></td> <td></td> </tr> <tr> <td>Address</td> <td>0.04</td> <td></td> <td></td> </tr> <tr> <td>DOB</td> <td>0.06</td> <td></td> <td>0.06</td> </tr> <tr> <td>FreeText</td> <td>0.01</td> <td>0.01</td> <td>0.02</td> </tr> <tr> <td>Alias</td> <td></td> <td></td> <td>0.02</td> </tr> <tr> <td>Country</td> <td></td> <td></td> <td>0.02</td> </tr> </tbody> </table>	Field	WLS	NM	PEP	Source Country	0.01	0.01		Age	0.01			Identifier	0.03			Address	0.04			DOB	0.06		0.06	FreeText	0.01	0.01	0.02	Alias			0.02	Country			0.02
Field	WLS	NM	PEP																																			
Source Country	0.01	0.01																																				
Age	0.01																																					
Identifier	0.03																																					
Address	0.04																																					
DOB	0.06		0.06																																			
FreeText	0.01	0.01	0.02																																			
Alias			0.02																																			
Country			0.02																																			
category	string	Category(-ies) matched. Multiple values are comma separated.																																				
productId	string	Product matched																																				
resultId	integer	Unique id for the search result																																				
sourceId	long	Internal ID assigned for the source.																																				
address	string	Address information for individual or business.																																				
age	string	Individual's age.																																				
aliasList	string	Individual's alias name(s) and/or business DBA(s)																																				
birthYears[]	integer	List of years of birth in the format YYYY.																																				
caution	string	Any known alerts/sanctions/issues related to the ad subject.																																				
dateOfBirth	string	Individual's date of birth.																																				
datesOfBirthNormalized[]	datetime	List of dates of birth normalized from the dateOfBirth field. Datetime in ISO 8601 format: YYYY-MM-DDTHH:MM:SS.																																				
entityName	string	Name of the business.																																				

eyeColor	string	Individual's eye color.
gender	string	Individual's gender
hairColor	string	Individual's hair color.
height	string	Individual's height.
highlights[]	list	Snippets of text where the name was matched in a text based search.
identifier	string	Any values associated to the Individual or Business. For example: Passport number or Business License.
individualName	string	Name of the individual.
nationality	string	Individual's nationality.
placeOfBirth	string	Hospital and/or City.
program	string	Type of list, group, or association with which the searched subject may be connected to, per the source.
race	string	Individual's race.
remarks	string	Any pertinent remarks about the searched subject which the source chose to highlight.
sourceAgencyAcronym	string	Acronym of the agency which represents the source of the result record.
sourceAgencyName	string	Name of the agency which represents the source of the result record.
sourceListType	string	
sourceParentAgency	string	Name of the parent agency which represents the source of the record.
sourceRegion	string	Geographic region of the source which represents the result record.
sourceCountry	String	Country code of the source country information represented in the ISO 3166-1 alpha 3 format . If the record comes from a global source the word "Global" will appear instead.

subjectMatched	string	The name matched for this document
text	string	Any associated unstructured text.
url	string	Web URL for article source.
weight	string	Individual's weight.
wlsResultType	integer	Certain sources indicate the type of entity being sanctioned 1 = Entity; 2 = Individual, 3 = Aircraft, 4 = Vessel

4.2.6. Nm Result Resource

```
{
  "score": float,
  "category": string,
  "productId": string,
  "resultId": integer,
  "sourceId": long,
  "highlights": [
    string
  ],
  "subjectMatched": string,
  "text": string,
  "url": string,
  "sentimentConfidenceLevel": string,
  "sourceCountry": string,
  "subjectAge": integer | null,
  "subjectLocation": string,
  "articleTitle": string,
  "articleDate": DateTime | null,
  "concepts": [
    string
  ],
}
```

Name	Type	Description
score	float	The calculated relevancy match percentage.
category	string	Category(-ies) matched. Multiple values are comma separated. <i>This field always will be returned as "ALLNM".</i>
productId	string	Product matched
resultId	integer	Unique id for the search result
sourceId	long	Internal ID assigned for the source.
highlights[]	list	Snippets of text where the name was matched in a text based search.
subjectMatched	string	The name matched for this document
text	string	Any associated unstructured text.
url	string	Web URL for article source.
sentimentConfidenceLevel	string	Sentiment confidence level for capture. Possible values are Low, Moderate, and High. This field is no longer valid. An empty string will be returned.
sourceCountry	string	Source country of the article in ISO 3166-1 alpha 3 format
subjectAge	integer null	Approximate current age of the subject. "null" if the age information is not found.
subjectLocation	string	Location of the event with an adverse concept (if any)
articleTitle	string	Title of the article.
articleDate	Datetime null	Publish or edit date of the article. "null" when not found.
concepts[]	list	Adverse concepts associated with the subject searched in the article.

4.2.7. Pep Result Resource

```
{
  "score": float,
  "productId": string,
  "profileId": long,
  "resultId": integer,
  "country": string,
  "countryCode": string,
  "name": string,
  "gender": string,
  "placeOfBirth": string,
  "dateOfBirth": string,
  "dateOfDeath": string,
  "birthname": string,
  "nativeName": string,
  "imageURL": string,
  "professionalHistory": [
    string
  ],
  "memberOf": [
    string
  ],
  "employer": [
    string
  ],
  "education": [
    string
  ],
  "awardsReceived": [
    string
  ],
  "notableWork": [
    string
  ],
  "convicted": [
    string
  ],
  "sourceInfoURL": [
```

```
    string
  ],
  "address": [
    string
  ],
  "affiliation": [
    string
  ],
  "aliases": [
    string
  ],
  "scoreBoosts": [
    string
  ],
  "pepSearchType": integer,
  "familyMembers": [
    Pep Relation
  ],
  "social": [
    Pep Relation
  ],
  "businessRelations": [
    Pep Relation
  ],
  "businessPartnerships": [
    Pep Relation
  ],
  "lobbying": [
    Pep Relation
  ],
  "stakeholder": [
    Pep Relation
  ],
  "contributions": [
    Pep Relation
  ]
}
```

Name	Type	Description
score	float	The calculated relevancy match percentage.
productId	string	Product matched
profileId	long	
resultId	integer	Unique id for the search result
country	string	Country of Citizenship
countryCode	string	Country Code for country of citizenship
name	string	Name of PEP Profile
gender	string	Male or Female
placeOfBirth	string	Hospital and/or City
dateOfBirth	string	The date the individual as born
dateOfDeath	string	The date the individual died, if applicable.
birthName	string	Name on Birth Certificate
nativeName	string	Name of PEP Profile
imageURL	string	URL of the PEP Profile Image
professionalHistory[]	list	List of professional positions held
memberOf[]	list	List of any groups the person belongs to
employer[]	list	List of employers
education[]	list	List of schools the person has attended
awardsReceived[]	list	List of any major award the person has received
notableWork[]	list	List of notable works
convicted[]	list	List of any crimes or legal issues the person has been convicted of.
sourceInfoURL[]	list	List of Source Info URLs

address[]	list	Any known addresses the PEP holds/has held.
aliases[]	list	Alias hits from the PEP search
scoreBoosts[]	list	Explanation of relevancy score boosts
pepSearchType	integer	0: Name Search Result 1: Alias Search Result 2: Family Member Search Result 3: Social Search Result 4: Business Relations Search Result 5: Business Partnerships Search Result 6: Lobbying Search Result 7: Stakeholders Search Result
familyMembers[]	list	An individual who is related to another person by blood, marriage or legal means (such as adoption)
social[]	list	A relationship between individuals that is based on social interaction, rather than a professional, legal, or purely transactional motives.
businessRelations[]	list	A connection between two entities or individuals in a commercial setting, this can include customers, suppliers, investors, or contractor usually having a strategic alliance.
businessPartnerships[]	list	Individual or entity that is a co-owner in a partnership structure, joint venture participant, or a company that collaborates closely with another to achieve share goals, usually sharing risks, responsibilities and profits.
lobbying[]	list	A professional advocate or representative of an organization who communicates with government officials to promote specific policies, legislation, or regulations that benefit their interest.
stakeholder[]	list	An individual or entity that has an interest in or is affected by the actions, decisions, or success of a business

4.2.8. Pep Relation Resource

```
{
  "relationType": string,
  "name": string
}
```

Name	Type	Description
relationType	string	Text describing the relationship.
name	string	Text name

4.2.9. Due Diligence Result Resource

```
{
  "score": float,
  "productId": string,
  "entityName": string,
  "fullAddress": string,
  "sourceAgencyName": string,
  "aliasList": string,
  "identifier": string,
  "status": string,
  "state": string,
  "incorporationState": string,
  "incorporationDate": datetime,
  "exchange": string,
  "ticker": string,
  "sharePrice": string,
  "industry": string,
  "domesticIndicator": string,
  "companyUrl": string,
  "url": string,
  "regulatoryActions": [
    Regulatory Actions
  ],
  "branchLicenses": [
    Branch Licenses
  ]
}
```

```

],
"principleNames": [
  string
],
}

```

Name	Type	Description
score	float	The calculated relevancy match percentage.
productId	string	Product matched
fullAddress	string	Address information for individual or business.
aliasList	string	Individual's alias name(s) and/or business DBA(s)
entityName	string	Name of the business.
identifier	string	Any values associated to the Individual or Business. For example: Passport number or Business License.
sourceAgencyName	string	Name of the agency which represents the source of the result record.
url	string	Web URL for article source.
status	string	Status indicating if company is active or inactive.
state	string	State where branch/business is located.
incorporationState	string	State in which the business is incorporated.
incorporationDate	datetime	Datetime in ISO 8601 format: YYYY-MM-DDTHH:MM:SS.
exchange	string	What stock exchange the company is listed on.
ticker	string	Stock symbol.
sharePrice	string	Shareprice of the company.
industry	string	Identifies the industry to which the company belongs.

domesticIndicator	string	Is the company or branch considered foreign or domestic.
companyUrl	string	URL to company website.
regulatoryActions	list	Listing of regulatory actions currently against the company. Includes the type of action, the date imposed, and docket number if available.
branchLicenses	list	Licenses or Registrations applicable to company. Limited to state in provided request.
PrincipleNames	string	Array of Principal Names.

4.2.10. Regulatory Actions

```
{
  "regulator": string,
  "actionType": string,
  "dateOfAction": datetime,
  "multiStateActionId": string,
  "docketNumber": string,
  "documentUrl": string
}
```

Name	Type	Description
regulator	string	Authority who imposed the Action.
actionType	string	Type of regulatory action imposed.
dateOfAction	datetime	Date the action was imposed.
multiStateActionId	string	States in which the action is in effect.
docketNumber	string	Listing of the docket number for the action.
documentUrl	string	URL to more information on the particular regulation/action.

4.2.11. Branch Licenses

```
{
  "regulator": string,
  "licenseType": string,
  "isAuthorized": string
}
```

Name	Type	Description
regulator	string	Authority who granted the license.
licenseType	string	Type of license.
isAuthorized	string	Indicator if company is authorized to so business.

5. Monitors

5.1. Overview

5.1.1. Push Monitor Notifications via Webhook Subscription

We have dramatically improved the way you can receive notifications of new reports for your monitored subject by using webhooks.

With this new approach, you will subscribe to a webhook to receive monitoring updates.

When the new search is run and there is new data, we are going to make a webhook request to your endpoint to notify you of the updates. This is the most efficient implementation of monitoring and is highly recommended for all new monitoring implementations. The monitor will attempt to run up to three times in case of an error. If all attempts fail, a message will be sent to the webhook endpoint notifying the error status.

Please visit the Swagger sites below for more detailed implementation instructions for this service:

EU: <https://api-eu.vital4.net/>

US: <https://api-us.vital4.net/>

5.1.2. Legacy Monitor Resource

```
{
  "monitorId": guid,
  "billingCodeId": guid,
  "subjectId": string,
  "createdOn": datetime,
  "version:" integer,
  "modifiedOn": datetime,
  "schedule": {
    "scheduleType": string,
    "endAt": datetime
  },
  "search": {
    "subject": string,
    "aliases": [
      string
    ],
    "subjectTranslated": string,
```

```

"aliasesTranslated": [
  string
],
"categories": [
  string
],
"needsTranslation": boolean,
"dateOfBirthFilter": boolean,
"parameters": Search Parameters,
"options": Search Options,
"version": integer,
},
"status": string,
"lastRun": datetime,
"nextRun": datetime
}

```

Name	Type	Description
monitorId	guid	The ID of the monitor.
billingCodeId	guid	The ID of the billing code.
subjectId	string	The ID for the subject.
createdOn	datetime	The date the monitor was created.
version	integer	The version number. Anytime a change is made to the search criteria or the schedule, a new version is created.
modifiedOn	datetime	The date associated to the version.
schedule	object	Schedule options.
schedule.scheduleType	string	String enumeration for monitor frequency. Default value is Monthly. Possible values are <u>DAILY, WEEKLY, MONTHLY, QUARTERLY, OR ANNUALLY.</u>
schedule.endAt	datetime	The date when the monitor should stop, expressed in ISO 8601 .

search	object	Search criteria options
search.subject	string	Name of individual or business searched.
search.aliases[]	list	Alias list for subject searched.
search.subjectTranslated	string	The translated subject.
search.aliasesTranslated[]	list	The list of translated aliases.
search.categories[]	list	The list of category(-ies) to search.
search.needsTranslation	boolean	Whether the subject and/or aliases needs to be translated. Only used for translating non-Latin characters to Latin characters.
search.dateOfBirthFilter	boolean	When set to true, only results that match the searched DOB will be returned. Set to false, all results with name-match scores at or above the relevancy score setting will be returned. Default is false. Please note that if the result does not contain a DOB value, it will be returned regardless of the setting being true or false.
search.parameters	object	See Search Parameters
search.options	object	See Search Options
search.version	integer	The version number. Anytime a change is made to the search criteria or the schedule, a new version is created.
status	string	Status for the monitor.
lastRun	datetime	The last time a search was ran.
nextRun	datetime	The next time the search is scheduled to run.

5.1.3 Monitoring Notes

1. If there is any chance a given subject could be monitored in the future, but is not required to be monitored at the time of the original search on that subject, Vital4 suggests passing the search with 'Monitor=True,' and an End Date of the same date that this call is being made. This will create the Monitor record, but mark it as inactive.

2. If you submit an order for monitoring and there are multiple products in the request, Vital4 will monitor all products. If you only want one product monitored, you must submit separate product request.

5.1.4. Monitory History Resource

```
{
  "runDateTime": datetime,
  "search": {
    "subject": string,
    "aliases": [
      string
    ],
    "subjectTranslated": string,
    "aliasesTranslated": [
      string
    ],
    "categories": [
      string
    ],
    "needsTranslation": boolean,
    "dateOfBirthFilter": boolean,
    "version": integer,
    "parameters": Search Parameters,
    "options": Search Options
  },
  "results": {
    Subject Result Resource
  },
  "aliasResults": [
    Subject Result Resource
  ]
}
```

Name	Type	Description
runDateTime	datetime	The date the search was run.

search	object	Information about the searched subject.
search.subjectId	string	Name of individual or business searched.
search.aliases[]	list	Alias list for subject searched.
search.subjectTranslated	string	The translated subject.
search.aliasesTranslated[]	list	The list of translated aliases.
search.categories[]	list	The list of category(-ies) to search.
search.needsTranslation	boolean	Whether the subject and/or aliases needs to be translated. Only used to translate non-Latin characters to Latin characters.
search.dateOfBirthFilter	boolean	When set to true, only results that match the searched DOB will be returned. Set to false, all results with name-match scores at or above the relevancy score setting will be returned. Default is false. Please note that if the result does not contain a DOB value, it will be returned regardless of the setting being true or false.
search.version	integer	The version number.
search.parameters	object	See Search Parameters
search.options	object	See Search Options
results	object	Results for the subject. Includes subject and translated subject.
aliasResults[]	list	The list of results for all aliases. Includes subject and translated subject results.

5.2. Get Monitor

5.2.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

5.2.2. Request

The HTTP method and URL is as follows:

Method	URL
GET	/monitors/{monitorId}

5.2.3. Parameters

This API includes the following parameters.

Name	Type	Description	Required
Path parameters			
monitorId	guid	The ID of the monitor.	Yes

5.2.4. Response

If successful, this method returns a [Monitor Resource](#) in the response body.

5.2.5. Samples

Sample Request

```
GET /monitors/f596e355-47ae-4488-8ef6-fd658fd8c261
```

Sample Response

```
{
  "monitorId": "f596e355-47ae-4488-8ef6-fd658fd8c261",
  "billingCodeId": "144da11b-6e02-42de-8402-b26ad52fedc6",
}
```

```
"subjectId": "C1AYMY",
"createdOn": "2019-01-02T20:12:28.6351994",
"version": 3,
"modifiedOn": "2019-01-04T19:23:12.5626161",
"schedule": {
  "scheduleType": "Monthly",
  "endAt": null
},
"search": {
  "subject": "Fred Feuerstein",
  "aliases": [
    "Barney Schutt"
  ],
  "subjectTranslated": "Fred Flintstone",
  "aliasesTranslated": [
    "Barney rubble"
  ],
  "categories": [
    "ALLWL",
    "ALLPP"
  ],
  "needsTranslation": false,
  "dateOfBirthFilter": false,
  "parameters": {
    "age": "32",
    "city/district": "Bedrock"
  },
  "options": {
    "wls": {
      "countryCodes": [
        "NLD", "USA"
      ]
    },
    "pep": {
      "excludeFields": [
        "social",
        "business relations"
      ],
      "profileLevels": [
```

```

    1,
    2,
    3
  ]
}
},
"version": 3
},
"status": "Active",
"lastRun": "2019-01-02T20:12:28.6351994",
"nextRun": "2019-02-02T20:12:28.6351994",
"adjudicate": false
}

```

5.3. Get List

5.3.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

5.3.2. Request

The HTTP method and URL is as follows:

Method	URL
GET	/monitors

5.3.3. Parameters

This API includes the following parameters.

Name	Type	Description	Required
Query parameters			
subjectId	string	The subject ID for the monitor.	No
newResultsFromDate	datetime	The lower bound date for when new results were found, expressed in ISO 8601	No

5.3.4. Response

If successful, this method returns a list of [Monitor Resource](#) in the response body.

5.3.5. Samples

Sample Request

```
GET /monitors
```

Sample Response

```
[
  {
    "monitorId": "f596e355-47ae-4488-8ef6-fd658fd8c261",
    "billingCodeId": "144da11b-6e02-42de-8402-b26ad52fedc6",
    "subjectId": "C1AYMY",
    "createdOn": "2019-01-02T20:12:28.6351994",
    "version": 3,
    "modifiedOn": "2019-01-04T19:23:12.5626161",
    "schedule": {
      "scheduleType": "Monthly",
      "endAt": null
    },
    "search": {
      "subject": "Fred Feuerstein",
      "aliases": [
        "Barney Schutt"
      ],
    },
  },
]
```

```
"subjectTranslated": "Fred Flintstone",
"aliasesTranslated": [
  "Barney rubble"
],
"categories": [
  "ALLWL",
  "ALLPP"
],
"needsTranslation": false,
"dateOfBirthFilter": false,
"parameters": {
  "age": "32",
  "city/district": "Bedrock"
},
"options": {
  "wls": {
    "countryCodes": [
      "NLD", "USA"
    ]
  },
  "pep": {
    "excludeFields": [
      "social",
      "business relations"
    ],
    "profileLevels": [
      1,
      2,
      3
    ]
  }
},
"version": 3
},
"status": "Active",
"lastRun": "2019-01-02T20:12:28.6351994",
"nextRun": "2019-02-02T20:12:28.6351994"
},
{
```

```

    ...
  }
]

```

5.4. Get History

5.4.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

5.4.2. Request

The HTTP method and URL is as follows:

Method	URL
GET	/monitors/{monitorId}/history

5.4.3. Parameters

This API includes the following parameters.

Name	Type	Description	Required
Path parameters			
monitorId	guid	THE ID of the monitor.	Yes
Query parameters			

fromDate	datetime	The lower bounds date for when the order was created, expressed in ISO 8601	No
toDate	datetime	The upper bounds date for when the order was created, expressed in ISO 8601	No
resultSetId	long	Specific result set id	No

5.4.4. Response

If successful, this method returns a response body with the following structure:

```
{
  "monitorId": guid,
  "billingCodeId": guid,
  "subjectId": string,
  "history": [
    Monitor History Resource
  ]
}
```

5.4.5. Samples

Sample Request

```
GET /monitors/6c395e73-0912-4345-be06-5d201ae0844c/history
```

Sample Response

```
{
  "monitorId": "6c395e73-0912-4345-be06-5d201ae0844c",
  "billingCodeId": "144da11b-6e02-42de-8402-b26ad52fedc6",
  "subjectId": "MABC",
  "history": [
    {
      "runDateTime": "2019-01-03T22:12:57.4808811",
      "search": {
        "subject": "Donald Trump",
        "subjectTranslated": null,
        "aliasesTranslated": null,
      }
    }
  ]
}
```

```
"categories": [
  "ALLWL"
],
"needsTranslation": false,
"dateOfBirthFilter": false,
"parameters": {
  "addressline1": "1600 Pennsylvania Avenue",
  "city": "Washington"
},
"options": {
  "wls": {
    "countryCodes": [
      "NLD", "USA",
    ]
  },
  "pep": {
    "excludeFields": null,
    "profileLevels": null
  }
},
"version": 1
},
"results": {
  "subject": "Donald Trump",
  "results": {
    "wlsResults": [
      {
        "score": 1,
        "category": "AMLKYC,FINAN,GWLAS,NATHC",
        "productId": "WLS",
        "resultId": 1,
        "sourceId": 274,
        "address": null,
        "age": null,
        "aliasList": null,
        "caution": null,
        "dateOfBirth": null,
        "datesOfBirthNormalized": null,
        "birthYears": null,

```

```
"entityName": null,
"eyeColor": null,
"gender": null,
"hairColor": null,
"height": null,
"highlights": [],
"identifier": null,
"individualName": null,
"nationality": null,
"placeOfBirth": null,
"program": null,
"race": null,
"remarks": null,
"sourceAgencyAcronym": "DOJ",
"sourceAgencyName": "Department of Justice",
"sourceListType": "Press Releases",
"sourceParentAgency": "White House",
"sourceRegion": "North America",
"sourceCountry": "USA",
"subjectMatched": "Donald Trump",
"text": "Department of ...",
"url": "https://www.justice.gov...",
"weight": null
}
],
"nmResults": [],
"pepResults": []
},
"translatedSubject": null,
"translatedResults": null
},
"aliasResults": null
},
{
"runDateTime": "2019-01-04T22:12:57.4808811",
"search": {
"subject": "Donald Trump",
"subjectTranslated": null,
"aliasesTranslated": null,
```

```
"categories": [
  "ALLWL",
  "ALLPP"
],
"needsTranslation": false,
"dateOfBirthFilter": false,
"parameters": {
  "addressline1": "1600 Pennsylvania Avenue",
  "city": "Washington",
  "country": "USA"
},
"options": {
  "wls": {
    "countryCodes": []
  },
  "pep": {
    "excludeFields": [
      "social",
      "business relations"
    ],
    "profileLevels": [
      1,
      2,
      3
    ]
  }
},
"version": 2
},
"results": {
  "subject": "Donald Trump",
  "results": {
    "wlsResults": [],
    "nmResults": [],
    "pepResults": [
      {
        "score": 1,
        "productId": "PEP",
        "profileId": 73616,

```

```

"resultId": 2,
"country": "United States of America",
"countryCode": "USA",
"name": "Donald Trump",
"gender": "male",
"placeOfBirth": "Jamaica Hospital",
"dateOfBirth": "1946-06-14",
"birthName": "Donald John Trump",
"nativeName": "Donald Trump",
"imageUrl":
"https://commons.wikimedia.org/wiki/Special:FilePath/Official%20Presidential%20Portrait%20of%20President%20Donald%20J.%20Trump%20%282025%29.jpg",
"professionalHistory": [
  "President of the United States of America",
  "director",
  "chairperson"
],
"memberOf": [
  "Forbes list of billionaires",
  "Republican Party"
],
"employer": [],
"education": [
  ...
],
"awardsReceived": [
  ...
],
"notableWork": [
  ...
],
"convicted": [],
"sourceInfoURL": [],
"address": [
  ...
],
"affiliation": [
  ...
],

```

```
    "aliases": [
      ...
    ],
    "scoreBoosts": [
      "Score Boosted from 1 to 1.02 (Profile ID: 73616) Alias
The Don found in The Donald"
    ],
    "pepSearchType": 0,
    "familyMembers": [
      {
        "relationType": "Relative",
        "name": "Elizabeth Trump"
      },
      {
        "relationType": "Spouse",
        "name": "Ivana Trump"
      }
    ],
    "social": [
      ...
    ],
    "businessRelations": [
      ...
    ],
    "businessPartnerships": [
      ...
    ],
    "lobbying": [],
    "stakeholder": [
      ...
    ],
    "contributions": [
      ...
    ]
  }
],
"ddResults": [],
},
"translatedSubject": null,
```

```

    "translatedResults": null
  },
  "aliasResults": null
}
]
}

```

5.5. Get Monitor Run History

5.5.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

5.5.2. Request

The HTTP method and URL is as follows:

Method	URL
GET	/monitors/{monitorId}/runhistory

5.5.3. Parameters

This API includes the following parameters.

Name	Type	Description	Required
Path parameters			
monitorId	guid	THE ID of the monitor.	Yes
Query parameters			

fromDate	datetime	The lower bounds date for when the order was created, expressed in ISO 8601	No
toDate	datetime	The upper bounds date for when the order was created, expressed in ISO 8601	No

5.5.4. Response

If successful, this method returns a response body with the following structure:

```
{
  "monitorId": guid,
  "runs": [
    {
      "recordCount": int,
      "runDateTime": datetime,
      "resultSetId": long,
      "message": string,
      "isSuccess": boolean
    },
    ...
  ]
}
```

5.5.5. Samples

Sample Request

```
GET /monitors/6c395e73-0912-4345-be06-5d201ae0844c/runhistory
```

Sample Response

```
{
  "monitorId": "3a5ef5ac-0839-4118-b7ba-0008b2b6766c",
  "runs": [
    {
      "recordCount": 7,
      "runDateTime": "2023-08-10T13:01:08.2863851Z",
      "resultSetId": 318546
    },
  ],
}
```

```

{
  {
    "recordCount": 0,
    "runDateTime": "2023-09-10T13:00:47.9110791Z",
    "resultSetId": null
  },
  {
    "recordCount": 0,
    "runDateTime": "2024-02-10T13:08:36.9489781Z",
    "resultSetId": null
  },
  {
    "recordCount": 1,
    "runDateTime": "2024-07-10T13:00:08.6186029Z",
    "resultSetId": 447825
  }
]
}

```

5.6. Update Monitor

5.6.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

5.6.2. Request

The HTTP method and URL is as follows:

Method	URL
--------	-----

PUT	/monitors/{monitorId}
-----	-----------------------

5.6.3. Parameters

This API includes the following parameters.

```
{
  "schedule": {
    "scheduleType": string,
    "endAt": datetime
  },
  "search": {
    "subject": string,
    "aliases": [
      string
    ],
    "categories": [
      string
    ],
    "needsTranslation": boolean,
    "dateOfBirthFilter": boolean,
    "parameters": Search Parameters,
    "options": Search Options
  }
}
```

Name	Type	Description	Required
Path parameters			
monitorId	guid	The ID of the monitor.	Yes
Request body			
schedule	object	Schedule options. If it is not sent in the request, the existing value will remain unchanged.	No

schedule.scheduleType	string	String enumeration for monitor frequency. Default value is Monthly. Possible values are <u>DAILY, WEEKLY, MONTHLY, QUARTERLY, OR ANNUALLY.</u> If it is not sent in the request, the existing value will remain unchanged.	No
schedule.endAt	datetime	The date when the monitor should stop, expressed in ISO 8601 . If it is not sent in the request, the existing value will remain unchanged.	No
search	object	Search criteria options.	Yes
search.subject	string	Name of individual or business.	No
search.aliases[]	list	List of any aliases to search.	No
search.categories[]	list	List of product category(-ies) to search. If not provided this will default to all available product categories available to client. Add new products is not allowed, a new order must be instead.	No
search.needsTranslation	boolean	Whether the subject and/or aliases needs to be translated. Only used to translate non-Latin characters to Latin characters.	No
search.dateOfBirthFilter	boolean	When set to true, only results that match the searched DOB will be returned. Set to false, all results with name-match scores at or above the relevancy score setting will be returned. Default is false. Please note that if the result does not contain a DOB value, it will be returned regardless of the setting being true or false.	No
search.parameters	object	See Search Parameters	No

search.options	object	See Search Options	No
----------------	--------	------------------------------------	----

5.6.4. Response

If successful, this method returns an [Monitor Resource](#) in the response body.

5.6.5. Samples

Sample Request

```
PUT /monitors/f596e355-47ae-4488-8ef6-fd658fd8c261
{
  "schedule": {
    "scheduleType": "Daily"
  },
  "search": {
    "subject": "Fred Flintstone",
    "aliases": [
      "Bedrock Kingpin"
    ],
    "categories": [
      "ALLWL",
      "ALLNM"
    ],
    "needsTranslation": false,
    "dateOfBirthFilter": false,
    "parameters": {
      "age": "32",
      "freetext": "Bowling champ",
      "addressline1": "301 Cobblestone Way",
      "city/district": "Bedrock",
      "postalcode": "70777"
    }
  }
}
```

Sample Response

```
{
  "monitorId": "f596e355-47ae-4488-8ef6-fd658fd8c261",
  "billingCodeId": "144da11b-6e02-42de-8402-b26ad52fedc6",
```

```
"subjectId": "ClAYMY",
"createdOn": "2019-01-02T20:12:28.6351994",
"version": 4,
"modifiedOn": "2019-01-05T19:23:12.5626161",
"schedule": {
  "scheduleType": "Daily",
  "endAt": null
},
"search": {
  "subject": "Fred Flintstone",
  "aliases": [
    "Bedrock Kingpin"
  ],
  "subjectTranslated": null,
  "aliasesTranslated": null,
  "categories": [
    "ALLWL",
    "ALLNM"
  ],
  "needsTranslation": false,
  "dateOfBirthFilter": false,
  "parameters": {
    "age": "32",
    "freetext": "Bowling champ",
    "addressline1": "301 Cobblestone Way",
    "city/district": "Bedrock",
    "postalcode": "70777"
  },
  "options": {
    "pep": {
      "excludeFields": null,
      "profileLevels": null
    },
    "wls": {
      "countryCodes": null
    }
  },
  "status": "Active",
```

```

"lastRun": "2019-01-02T20:12:28.6351994",
"nextRun": "2019-01-06T19:23:12.5626161"
}

```

5.7. Suspend Monitor

5.7.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

5.7.2. Request

The HTTP method and URL is as follows:

Method	URL
POST	/monitors/{monitorId}/suspend

5.7.3. Parameters

This API includes the following parameters.

Name	Type	Description	Required
Path parameters			
monitorId	guid	The ID of the monitor.	Yes

5.7.4. Response

A successful, this method returns a response body with the following structure:

```
{
  "monitorId": guid,
  "success": boolean,
  "message": string
}
```

Name	Type	Description
monitorId	guid	The ID of the monitor.
success	boolean	Whether the request was successful or not.
message	string	Message back to the client.

5.7.5. Samples

Sample Request

```
POST /monitors/f596e355-47ae-4488-8ef6-fd658fd8c261/enable
```

Sample Response

```
{
  "monitorId": "f596e355-47ae-4488-8ef6-fd658fd8c261",
  "success": true,
  "message": "Monitor is now suspended"
}
```

5.8. Enable Monitor

5.8.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

5.8.2. Request

The HTTP method and URL is as follows:

Method	URL
POST	/monitors/{monitorId}/enable

5.8.3. Parameters

This API includes the following parameters.

Name	Type	Description	Required
Path parameters			
monitorId	guid	The ID of the monitor.	Yes

5.8.4. Response

If successful, this method returns a response body with the following structure:

```
{
  "monitorId": guid,
  "success": boolean,
  "message": string
}
```

Name	Type	Description
monitorId	guid	The ID of the monitor.
success	boolean	Whether the request was successful or not.
message	string	Message back to the client.

5.8.5. Samples

Sample Request

```
POST /monitors/f596e355-47ae-4488-8ef6-fd658fd8c261/enable
```

Sample Response

```
{
  "monitorId": "f596e355-47ae-4488-8ef6-fd658fd8c261",
  "success": true,
  "message": "Monitor is now enabled"
}
```

5.9. Delete Monitor

5.9.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

5.9.2. Request

The HTTP method and URL is as follows:

Method	URL
DELETE	/monitors/{monitorId}

5.9.3. Parameters

This API includes the following parameters.

Name	Type	Description	Required
Path parameters			
monitorId	guid	The ID of the monitor.	Yes

5.9.4. Response

If successful, this method returns a response body with the following structure:

```
{
  "success": boolean,
  "message": string
}
```

Name	Type	Description
success	boolean	Whether the request was successful or not.
message	string	Message back to the client.

5.9.5. Samples

Sample Request

```
DELETE /monitors/0F4673AE-32F6-4C3D-8DBA-1EEBBD628698
```

Sample Response

```
{
  "success": true,
  "message": "Monitor successfully deleted"
}
```

6. Monitor Whitelist

6.1. Overview

In case a monitor reports results for a person that is not of interest for the end user, the end user can whitelist this result. Whitelisting can only be performed by using the date of birth (if available). Whitelisting filters out these results on future runs of the monitor.

6.1.1. Monitor Whitelist Resource

```
[
  Monitor History Resource
]
```

6.2. Get Whitelist

6.2.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

6.2.2. Request

The HTTP method and URL is as follows:

Method	URL
GET	/monitors/{monitorId}/whitelist

6.2.3. Parameters

This API includes the following parameters.

Name	Type	Description	Required
Path parameters			
monitorId	guid	The ID of the monitor.	Yes

6.2.4. Response

If successful, this method returns a list of [Monitor History Resource](#) in the response body.

6.2.5. Samples

Sample Request

```
GET /monitors/6c395e73-0912-4345-be06-5d201ae0844c/whitelist
```

Sample Response

```
[
  {
    "runDateTime": "2019-01-04T22:12:57.4808811",
    "search": {
      "subject": "Donald Trump",
      "subjectTranslated": null,
      "aliasesTranslated": null,
      "categories": [
        "ALLWL",
        "ALLPP"
      ],
      "needsTranslation": false,
      "dateOfBirthFilter": false,
      "parameters": {
        "addressline1": "1600 Pennsylvania Avenue",
        "city": "Washington",
        "country": "USA"
      },
      "version": 2
    },
    "results": {
      "subject": "Donald Trump",
```

```

"results": {
  "wlsResults": [],
  "nmResults": [],
  "pepResults": [
    {
      "score": 1,
      "productId": "PEP",
      "profileId": 73616,
      "resultId": 2,
      "country": "United States of America",
      "countryCode": "USA",
      "name": "Donald Trump",
      "gender": "male",
      "placeOfBirth": "Jamaica Hospital",
      "dateOfBirth": "1946-06-14",
      "birthName": "Donald John Trump",
      "nativeName": "Donald Trump",
      "imageURL":
"https://commons.wikimedia.org/wiki/Special:FilePath/Official%20Presidential%20Portrait%20of%20President%20Donald%20J.%20Trump%20%282025%29.jpg",
      "professionalHistory": [
        "President of the United States of America",
        "director",
        "chairperson"
      ],
      "memberOf": [
        "Forbes list of billionaires",
        "Republican Party"
      ],
      "employer": [],
      "education": [
        ...
      ],
      "awardsReceived": [
        ...
      ],
      "notableWork": [
        ...
      ],
    ]
  ]
}

```

```

"convicted": [],
"sourceInfoURL": [],
"address": [
  ...
],
"affiliation": [
  ...
],
"aliases": [
  ...
],
"scoreBoosts": [
  "Score Boosted from 1 to 1.02 (Profile ID: 73616)
Alias The Don found in The Donald"
],
"pepSearchType": 0,
"familyMembers": [
  {
    "relationType": "Relative",
    "name": "Elizabeth Trump"
  },
  {
    "relationType": "Spouse",
    "name": "Ivana Trump"
  }
],
"social": [
  ...
],
"businessRelations": [
  ...
],
"businessPartnerships": [
  ...
],
"lobbying": [],
"stakeholder": [
  ...
],

```

```

        "contributions": [
            ...
        ]
    },
    "ddResults": [],
},
"translatedSubject": null,
"translatedResults": null
},
"aliasResults": null
}
]

```

6.3. Add to Whitelist

6.3.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

6.3.2. Request

The HTTP method and URL is as follows:

Method	URL
POST	/monitors/{monitorId}/whitelist

6.3.3. Parameters

This API includes the following parameters.

Name	Type	Description	Required
Path parameters			
monitorId	guid	The ID of the monitor.	Yes
Query parameters			
resultIds	integer	The resultId to be added to the whitelist. You can supply multiple resultIds, but each must be separated by a comma.	Yes

6.3.4. Response

If successful, this method returns a response body with the following structure:

```
[
  {
    "resultId": integer,
    "success": boolean,
    "message": string
  }
]
```

6.3.5. Samples

Sample Request

```
POST /monitors/6c395e73-0912-4345-be06-5d201ae0844c/whitelist?resultIds=1,2,9999
```

Sample Response

```
[
  {
    "resultId": 1,
    "success": true,
    "message": "Added"
  },
]
```

```
[
  {
    "resultId": 2,
    "success": true,
    "message": "Added"
  },
  {
    "resultId": 9999,
    "success": false,
    "message": "Not found"
  }
]
```

6.4. Remove from Whitelist

6.4.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

6.4.2. Request

The HTTP method and URL is as follows:

Method	URL
DELETE	/monitors/{monitorId}/whitelist

6.4.3. Parameters

This API includes the following parameters.

Name	Type	Description	Required
Path parameters			
monitorId	guid	The ID of the monitor.	Yes
Query parameters			
resultIds	integer	The resultId to be added to the whitelist. You can supply multiple resultIds, but each must be separated by a comma.	Yes

6.4.4. Response

If successful, this method returns a response body with the following structure:

```
[
  {
    "resultId": integer,
    "success": boolean,
    "message": string
  }
]
```

6.4.5. Samples

Sample Request

```
DELETE /monitors/6c395e73-0912-4345-be06-5d201ae0844c/whitelist?resultIds=1,2
```

Sample Response

```
[
  {
    "resultId": 1,
    "success": true,
    "message": "Removed"
  },
]
```

```
{  
  "resultId": 2,  
  "success": true,  
  "message": "Removed "  
}  
]
```

7. Relevancy Scores

Relevancy Score floor threshold can now be adjusted via API call. The default settings for all accounts are 85% for WLS, NM, PEP and DD. These scores can be adjusted via API call. The default scores are based on Vital4’s and beta-phase customers’ testings and represents a median that returns the most relevant results while not flooding the response with too many false positives. Vital4 makes no guarantees on relevancy score floor efficacy, and encourages each new client to test thoroughly with different scores to determine their own best median and risk appetite.

7.1. Overview

7.1.1. Relevancy Score Resource

```
{
  "billingCodeId": guid,
  "productRelevancyScores": [
    "productid": string,
    "relevancyScore": float
  ]
}
```

Name	Type	Description
billingCodeId	guid	The billing code Id.
productRelevancyScores[]	list	List of product relevancy scores.
productRelevancyScores[].productId	string	Identifies the product.
productRelevancyScores[].relevancyScore	float	Subject Id used for search.

7.1.2. Relevancy Score History Resource

```
{
  "billingCodeId": guid,
  "history": [
    {
      "modifiedOn": datetime,

```

```

    "productRelevancyScores": [
      {
        "productid": string,
        "relevancyScore": float
      }
    ]
  }
]
}

```

Name	Type	Description
billingCodeId	guid	The billing code Id.
history[]	list	List of all relevancy score changes.
history[].modifiedOn	datetime	Date Time stamp for when update was applied.
history[].productRelevancyScores[]	list	List of relevancy scores at a given time.
history[].productRelevancyScores[].productid	string	Identifies the product.
history[].productRelevancyScores[].relevancyScore	float	Subject Id used for search.

7.2. Get Relevancy Score

7.2.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

7.2.2. Request

The HTTP method and URL is as follows:

Method	URL
GET	/relevancyScores/{billingCodeId}

7.2.3. Parameters

This API includes the following parameters.

Name	Type	Description	Required
Path parameters			
billingCodeId	guid	The billing code Id for which relevancy scores are assigned.	Yes

7.2.4. Response

If successful, this method returns a [Relevancy Score Resource](#) in the response body.

7.2.5. Samples

Sample Request

```
GET /relevancyScores/de95830c-a2cc-4b9f-9c19-e76594ac7399
```

Sample Response

```
{
  "billingCodeId": "de95830c-a2cc-4b9f-9c19-e76594ac7399",
  "productRelevancyScores": [
    {
      "productid": "NM",
      "relevancyScore": 0.75
    },
    {
```

```

    "productid": "WLS",
    "relevancyScore": 0.8
  },
  {
    "productid": "PEP",
    "relevancyScore": 0.87
  },
  {
    "productid": "DueDiligence",
    "relevancyScore": 0.85
  }
]
}

```

7.3. Get Relevancy Score History Resource

7.3.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

7.3.2. Request

The HTTP method and URL is as follows:

Method	URL
GET	/relevancyScores/{billingCodeId}/history

7.3.3. Parameters

This API includes the following parameters.

Name	Type	Description	Required
Path parameters			
billingCodeId	guid	The billing code Id for which relevancy scores are assigned.	Yes

7.3.4. Response

If successful, this method returns a [Relevancy Score History Resource](#) in the response body.

7.3.5. Samples

Sample Request

```
GET /relevancyScores/de95830c-a2cc-4b9f-9c19-e76594ac7399/history
```

Sample Response

```
{
  "billingCodeId": "de95830c-a2cc-4b9f-9c19-e76594ac7399",
  "history" [
    {
      "modifiedOn": "2019-08-02T15:41:43.2075744",
      "productRelevancyScores": [
        {
          "productid": "NM",
          "relevancyScore": 0.95
        },
        {
          "productid": "PEP",
          "relevancyScore": 0.83
        }
      ]
    }
  ],
  {
    "modifiedOn": "2019-08-25T13:23:18.0393935",
```

```

"productRelevancyScores": [
  {
    "productid": "NM",
    "relevancyScore": 0.95
  },
  {
    "productid": "PEP",
    "relevancyScore": 0.85
  },
  {
    "productid": "WLS",
    "relevancyScore": 0.91
  }
]
}
]
}

```

7.4. Update Relevancy Scores

7.4.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

7.4.2. Request

The HTTP method and URL is as follows:

Method	URL
PUT	/relevancyScores/{billingCodeId}

7.4.3. Parameters

This API includes the following parameters.

```
{
  "productRelevancyScores": [
    {
      "productid": string,
      "relevancyScore": float
    }
  ]
}
```

Name	Type	Description	Required
Path parameters			
billingCodeId	guid	The billing code Id for which relevancy scores are assigned.	Yes
Request body			
productRelevancyScores[]	list		Yes
productRelevancyScores[].productId	string	Identifies the product.	Yes
productRelevancyScores[].relevancyScore	float	Value must be a numeric value between 0 and 1. Null values are also acceptable which indicates you do not wish to use a custom relevancy score.	Yes

7.4.4. Response

If successful, this method returns a [Relevancy Score Resource](#) in the response body.

7.4.5. Samples

Sample Request

```
PUT /relevancyScores/de95830c-a2cc-4b9f-9c19-e76594ac7399
```

```
{
  "productRelevancyScores": [
    {
      "productid": "WLS",
      "relevancyScore": 0.77
    }
  ]
}
```

Sample Response

```
{
  "billingCodeId": "de95830c-a2cc-4b9f-9c19-e76594ac7399",
  "productRelevancyScores": [
    {
      "productid": "NM",
      "relevancyScore": 0.75
    },
    {
      "productid": "WLS",
      "relevancyScore": 0.77
    },
    {
      "productid": "PEP",
      "relevancyScore": 0.87
    },
    {
      "productid": "DueDiligence",
      "relevancyScore": 0.85
    }
  ]
}
```

8. External Order Creation (API to UI Orders)

8.1. Overview

8.1.1. Functionality

Utilizing Vital4's Order Creation API endpoint you will be able to

- Create Orders and Monitors for processing by Vital4 that are sent to our Search UI for review
- Get links to Vital4's UI to view and take action on those Orders & Monitors
 - Orders placed with this API will not produce JSON formatted responses.
- Get the status of a given Order, including the result counts.

8.1.2. Schema

- All data is sent and received as JSON, unless otherwise specified
- All text must be in a UTF-8 format
- All returned timestamps are in ISO 8601 format
- Please see [ISO 3166-1 alpha 3](#) for accepted Country Codes (PEP)
- Please see [USPS US State Abbreviations](#) for accepted US State Codes

8.2. Authentication

Authentication for the endpoints and functionality described in this section follows the exact same workflow as described in Chapter 2 of this document.

8.3. Order Creation Request

8.3.1. Creation Request Overview

You will utilize the order creation endpoint to create orders in Vital4's UI. Upon order creation, the Vital4 API will return information about the order so that you can manage and view it in Vital4's UI.

Depending on the parameters of your request, multiple orders may be created. In that case information about each order created will be sent back in the initial response.

8.3.2. Endpoint

The HTTP method and URL are as follows

Method	URL
POST	/order

8.3.3. Request Body

```
{
  "billingCodeId": string,
  "subject": string,
  "subjectId": string,
  "aliases": [
    string
  ],
  "needsTranslation": boolean,
  "dateOfBirthFilter": boolean,
  "address1": string,
  "address2": string,
  "city": string,
  "stateOrProvince": string,
  "countryOrRegion": string,
  "postalCode": string,
  "dateOfBirth": string,
  "idNumber": string,
  "orderMemo": string,
  "keywords": [
    string
  ],
  "wlsConfiguration": {
    "isMonitor": boolean,
    "scheduleType": string,
    "endAt": string,
    "categories": [
```

```
        string
    ],
    "countryCodes": [
        string
    ],
    "sourceLanguages": [
        string
    ],
    "includeBlankDOB": boolean
},
"nmConfiguration": {
    "isMonitor": boolean,
    "scheduleType": string,
    "endAt": string,
    "categories": [
        string
    ],
    "countryCodes": [
        string
    ],
    "isOrganization": boolean,
    "sourceLanguages": [
        string
    ],
},
"pepConfiguration": {
    "isMonitor": boolean,
    "scheduleType": string,
    "endAt": string,
    "categories": [
        string
    ],
    "countryCodes": [
        string
    ],
    "includeBlankDOB": boolean
},
"crimConfiguration": {
    "isMonitor": boolean,
```

```

    "scheduleType": string,
    "endAt": string,
    "categories": [
      string
    ],
    "birthDay": integer,
    "birthMonth": integer,
    "birthYear": integer,
    "email": string,
    "stateCodes": [
      string
    ],
    "includeBlankDOB": boolean
  },
  "dueDiligenceConfiguration": {
    "isMonitor": boolean,
    "scheduleType": string,
    "endAt": string,
    "categories": [
      string
    ]
  },
  "traceConfiguration": {
    "ssn": string,
    "firstName": string,
    "lastName": string,
    "maxAddressYears": integer
  }
}

```

8.3.4. Request Properties

Name	Type	Description	Required
billingCodeId	string	The Billing Code Id provided to you by Vital4 during account set up.	Yes
subject	string	The full name of the individual your are searching on.	Yes

subjectId	string	A freeform text field for you to assign a value that would allow you to reference this search in your own system.	No
aliases	string array	The full names of the aliases of the individual you are searching on.	No
needsTranslation	boolean	Whether the subject and/or aliases needs to be translated. This only translates the subject name from non-Latin characters (e.g. Chinese, Japanese, Greek, Russian) to Latin characters. Please only pass True for entries that need to be translated from non-Latin characters into Latin characters. <i>Please do not pass True for all API calls by default.</i>	No
dateOfBirthFilter	boolean	When set to true, only results that match the searched DOB will be returned. Set to false, all results with name-match scores at or above the relevancy score setting will be returned. Default is false. Please note that if the result does not contain a DOB value, it will be returned regardless of the setting being true or false.	No
address1	string	In the US this value would be the Number and Street Name.	No
address2	string	In the US this value would be the Suite or PO Box	No
city	string	The city of residence for the individual searched	No
stateOrProvince	string	The state or province for the individual searched	No
countryOrRegion	string	The country or region for the individual searched on	No
postalCode	string	The postal code for the individual searched on	No
dateOfBirth	string	Date of birth for the individual, please use a 'YYYY-MM-DD' format.	No
idNumber	string	Any values associated with the individual. For example: a drivers license number or passport number.	No
orderMemo	string	A free-form field for grouping or searching on orders after they are created. While SubjectId is typically used to track individual searches,	No

		orderMemo is typically used for groups of orders.	
keywords	string array	An array of keywords used to boost scores. Any result returned that has a submitted keyword in it will have its score boosted	No
wlsConfiguration	object	The configuration for Watch Lists & Sanctions products. See Watch Lists & Sanctions Configuration further down.	Yes(*)
nmConfiguration	object	The configuration for Adverse Media products. See Adverse Media Configuration further down.	Yes(*)
pepConfiguration	object	The configuration for Politically Exposed Persons products. See the Politically Exposed Persons Configuration further down.	Yes(*)
crimConfiguration	object	The configuration for National Criminal File products. See the National Criminal File Configuration further down.	Yes(*)
dueDiligenceConfiguration	object	The configuration for Due Diligence products. See the National Criminal File Configuration further down.	Yes(*)

Yes(*) = At least one configuration is required.

8.3.5. Watch Lists & Sanctions Configuration

Name	Type	Description	Required
isMonitor	boolean	If you wish for a Monitor to be created for this order	Yes
scheduleType	string (specific values)	See the 'Schedule Type Values' section further down for a list of acceptable values.	If 'isMonitor' set to 'true' - yes. Otherwise no.
endAt	string	The date you wish the Monitoring to end at. It must be in a 'YYYY-MM-DD' format. Leave empty to run indefinitely.	No

categories	string array (specific values)	The category or categories of Watch Lists & Sanctions products you wish to order. See the WLS Categories section at Chapter 1.2.1 for a full list of acceptable values	No. You may leave empty if you do not wish to order Watch Lists & Sanctions products.
countryCodes	string array	List of country codes for the countries of the source of information expressed in ISO 3166-1 alpha 3 format . If entered, only WLS results that come from sources in those countries will be returned. Please note that any of the following codes will be accepted for Yugoslavia: (BIH, HRV, MKD, MNE, SRB, and RSK) – BIH will always be the displayed code in the WLS result (SourceCountry object). You may also enter the word “Global” to search on WLS records that come from Global sources.	No
sourceLanguages	string array (specific values)	List of allowed language names for the source language information. If entered, only AM results that come from sources in those languages will be returned. Sending an empty list and not sending the field will return results in all languages. Language names as case-sensitive and allowed list of languages can be found here .	No

8.3.6. Adverse Media Configuration

Name	Type	Description	Required
isMonitor	boolean	If you wish for a Monitor to be created for this order	Yes
scheduleType	string (specific values)	See the ‘Schedule Type Values’ section further down for a list of acceptable values.	If ‘isMonitor’ set to ‘true’- yes. Otherwise no.
endAt	string	The date you wish the Monitoring to end at. It must be in a ‘YYYY-	No

		MM-DD' format. Leave empty to run indefinitely.	
categories	string array (specific values)	The category or categories of Adverse Media products you wish to order. See the NM Categories section at Chapter 1.2.5 for a full list of acceptable values	No. You may leave empty if you do not wish to order Adverse Media products.
countryCodes	string array	List of country codes for the countries of the source of information expressed in ISO 3166-1 alpha 3 format . If entered, only AM results that come from sources in those countries will be returned. Please note that any of the following codes will be accepted for Yugoslavia: (BIH, HRV, MKD, MNE, SRB, and RSK) – BIH will always be the displayed code in the AM result (SourceCountry object). You may also enter the word "Global" to search on AM records that come from Global sources.	No
isOrganization	boolean	"true" if the subject is a non-person (organization, business, company, ...). "false" when the subject is a person. The default value is false.	No
sourceLanguages	string array (specific values)	List of allowed language names for the source language information. If entered, only AM results that come from sources in those languages will be returned. Sending an empty list and not sending the field will return results in all languages. Language names as case-sensitive and allowed list of languages can be found here .	No

8.3.7. Politically Exposed Persons Configuration

Name	Type	Description	Required
------	------	-------------	----------

isMonitor	boolean	If you wish for a Monitor to be created for this order	Yes
scheduleType	string (specific values)	See the 'Schedule Type Values' section further down for a list of acceptable values.	If 'isMonitor' set to 'true' - yes. Otherwise no.
endAt	string	The date you wish the Monitoring to end at. It must be in a 'YYYY-MM-DD' format. Leave empty to run indefinitely.	No
categories	string array (specific values)	The category or categories of Politically Exposed Persons products you wish to order. See the PEP Categories section at Chapter 1.2.6 for a full list of acceptable values	No. You may leave empty if you do not wish to order Politically Exposed Persons products.
countryCodes	string array	You may indicate that you want Pep Results that only come from the countries specified here. Leave blank to search all countries. You must use the ISO 3166-1 alpha 3 format . Currently only used to filter level 1 and level 2 PEP profiles. Please note that any of the 7 following codes will be accepted for Yugoslavia: (BIH, HRV, MKD, MNE, SRB, and RSK) – BIH will always be the displayed code in the PEP Profile.	No

8.3.8. National Criminal File Configuration

Name	Type	Description	Required
isMonitor	boolean	If you wish for a Monitor to be created for this order	Yes
scheduleType	string (specific values)	See the 'Schedule Type Values' section further down for a list of acceptable values.	If 'isMonitor' set to 'true' - yes. Otherwise no.
endAt	string	The date you wish the Monitoring to end at. It must be in a 'YYYY-MM-	No

		DD' format. Leave empty to run indefinitely.	
categories	string array (specific values)	The category or categories of Adverse Media products you wish to order. See the NM Categories section at Chapter 1.2.5 for a full list of acceptable values	No. You may leave empty if you do not wish to order Adverse Media products.
birthDay	integer null	Day of the month of the subjects's birthday. Format: DD (do not zero fill. For example for the 9th of March submit a 9 not 09)	No
birthMonth	integer null	Month of the subject's birthday. Format: MM (do not zero fill. For example for the Month of March Submit a 3 not 03)	No
birthYear	integer null	Year of the subject's birthday. Format: YYYY	No
email	string	The email of the subject being searched- this is to facilitate the dispute process.	No
stateCodes	string array (specific values)	Specifying state codes here will limit the search to these state codes.	No

8.3.9. Due Diligence Configuration

Name	Type	Description	Required
isMonitor	boolean	If you wish for a Monitor to be created for this order	Yes
scheduleType	string (specific values)	See the 'Schedule Type Values' section further down for a list of acceptable values.	If 'isMonitor' set to 'true'-yes. Otherwise no.

endAt	string	The date you wish the Monitoring to end at. It must be in a 'YYYY-MM-DD' format. Leave empty to run indefinitely.	No
categories	string array (specific values)	The category or categories of Watch Lists & Sanctions products you wish to order. See the WLS Categories section at Chapter 1.2.1 for a full list of acceptable values	No. You may leave empty if you do not wish to order Watch Lists & Sanctions products.

8.3.10. Schedule Type Values

This value indicates the frequency with which you want Vital4 to monitor the order you are submitting. The following are the acceptable string values for the scheduleType property:

- "Daily"
- "Weekly"
- "Monthly"
- "Quarterly"
- "Annually"

8.3.11. Request Body example

What follows is an example of a complex request. The consumer of this API is searching on an individual with several known attributes, and would like monitoring on two of the products, with differing frequencies. In the request below they are searching with three known aliases.

For Watch Lists & Sanctions they would like to order monitoring, with a frequency of Weekly, and have it run indefinitely. They want all Watch Lists & Sanctions products.

For Adverse Media they want no Monitoring. They are specifying three Adverse Media categories.

For Politically Exposed Persons they want monitoring, with a frequency of Quarterly, and for it to end at the last day of 2022. They would like to only search in the United States, Canada, Japan and Great Britain.

```
{
```

```
"billingCodeId": "aff94a98-39b9-477b-b2ac-4f6493831fbe",
"subject": "John Smith",
"aliases": [
  "Jon Smith",
  "John A. Smith",
  "John Anonymous Smith"
],
"subjectId": "1000-0000-01",
"needsTranslation": false,
"dateOfBirthFilter": false,
"address1": "1234 Main Street",
"address2": "Suite 304",
"city": "Anytown",
"stateOrProvince": "California",
"countryOrRegion": "USA",
"postalCode": "94016",
"dateOfBirth": "1956-02-12",
"idNumber": "111-22-3333",
"orderMemo": "April 15th Orders",
"keywords": [
  "University",
  "San Francisco",
  "Finance"
],
"wlsConfiguration": {
  "isMonitor": true,
  "scheduleType": "Weekly",
  "endAt": "",
  "categories": [
    "ALLWL"
  ],
  "countryCodes": [
    "NLD", "USA"
  ]
},
"nmConfiguration": {
  "isMonitor": false,
  "scheduleType": "",
```

```
"endAt": "",
"categories": [
  "CRCT", "MISEC", "NMCOR"
],
"countryCodes": [
  "USA", "GBR"
]
},
"pepConfiguration": {
  "isMonitor": true,
  "scheduleType": "Quarterly",
  "endAt": "2022-12-31",
  "categories": [
    "ALLPP"
  ],
  "countryCodes": [
    "USA", "CAN", "JPN", "GBR"
  ]
},
"crimConfiguration": {
  "isMonitor": false,
  "scheduleType": "",
  "endAt": "",
  "categories": [
    "V4CRI"
  ],
  "birthDay": 5,
  "birthMonth": 11,
  "birthYear": 1972,
  "email": "johnsmith@gmail.com",
  "stateCodes": [
    "NY"
  ]
},
"dueDiligenceConfiguration": {
  "isMonitor": false,
  "scheduleType": "",
  "endAt": "",
  "categories": [
```

```

        "ALLDD"
      ]
    },
    "traceConfiguration": {
      "ssn": "123-45-6789",
      "maxAddressYears": 10
    }
  }
}

```

It's worth noting that since five different configurations of Monitoring were specified in this order request, **five different orders** will be created and returned to the consumer of this API.

8.3.12. Order Requests and Multiple Orders

If you have:

- An order request that has multiple monitoring configurations (i.e. monitoring for some products but not others; different scheduleType values for different products; different endAt values for different products) then *multiple orders will be created*- one for each specific monitoring configuration.

If you have:

- An order request that has no monitoring requested -or- the exact same monitoring configuration across all products (same 'endAt' value, same 'scheduleType' value) *only one order will be created*.

8.3.13. Order Creation Response Body

```

[
  {
    "orderId": "",
    "createdOn": "",
    "orderUrl": "",
    "productIds": []
  }
]

```

Upon successful order request submission, an array of order info will be returned, one for each order created by the request.

Name	Type	Description
------	------	-------------

orderId	string	A GUID that serves as the order's unique identifier.
createdOn	dateTime	The date and time the order was created.
orderUrl	string	The URL to view the order in the Vital4 UI
productIds	productId array	The relevant products for the order. See the Product Id Type for possible values.

8.4. Checking an Order Status

8.4.1. Order Status Overview

After you submit an order, the Vital4 system will automatically generate an orderId and record. Order processing, depending on system load, does not happen immediately. However, you may check the status of your order immediately after receiving an orderId. If an order is still processing it will return a status of processing and no result counts. Once an order has finished processing it will return a different status, as well as result counts for the search that was performed.

8.4.2. Order Status Request Endpoint

HTTP Method	Endpoint
GET	/order/{{orderId}}

8.4.3. Order Status Response

```
{
  "orderId": string,
  "createdOn": string,
  "orderUrl": string,
  "orderStatus": string,
  "monitorId": string,
  "monitorUrl": string,
  "results": [
    {
```

```

    "productId": productId,
    "resultCount": 0
  }
]
}

```

Name	Type	Description
orderId	string	The unique ID for the order.
orderStatus	string	The order's current status. See Order Status Type section for a list of possible statuses.
createdOn	dateTime	The date and time the order was created.
orderUrl	string	The URL for viewing the order on Vital4's UI.
monitorId	string	The unique ID for the Monitor that is associated with this order.
monitorUrl	string	The URL for viewing the Monitor master record on Vital4's UI.
results	object array	See the Results Type for further info.

8.4.4. Results Type

Name	Type	Description
productId	string	The ID of the product that has the results. See Product ID type for further info.
resultCount	int	The amount of results for the given productId

8.4.5. ProductId Type

Value	Description
"WLS"	Watch Lists & Sanctions
"PEP"	Politically Exposed Persons

“NM”	Adverse Media
“DueDiligence”	Due Diligence
“CRIM”	National Criminal File

8.4.6. Order Status Type

Value	Description
“Processing”	The order is currently processing. No results are available at this time.
“NoResults”	The order has been processed. No results were found.
“Pending”	The order has been processed and has results.
“PossibleMatch”	The order has been processed and has results. It has been marked in the UI as having a relevant match.
“NoMatch”	The order has been processed, and has results. It has been marked in the UI as not having a relevant match.
“Error”	The order has encountered an error during processing.

8.5. Checking a Monitor Status

8.5.1. Monitor Status Overview

After you submit an order with Monitoring configured, Vital4 will create a Monitor record *after* it processes the order for the first time. You will receive this Monitor Id and URL on subsequent calls to the Order Status endpoint. After you have the Monitor Id you can then check the status of that monitor. The endpoint is paginated and will return properties such as total pages (depending on the page size you submit) and the total count.

The orders returned will always be in order of most recent shown first.

8.5.2. Monitor Status Request Endpoint

HTTP Method	Endpoint
-------------	----------

GET	/order/monitor/{{monitorId}}
-----	------------------------------

We have optional query params that we strongly recommend you use- for example, we recommend wiring up your queries to use pagination and always submitting a status.

Name	Type	Description
orderStatus	string	An Order Status Type value, as outlined above. If no value is submitted, it will bring back all orders for the monitor, regardless of Order Status Type.
pageIndex	Int	A zero-based index indicating which page of results you wish to see. If no value is submitted, then this value defaults to zero, or the first page.
pageSize	Int	The site of results page you wish to return. If no value is submitted then the default value is 5, or the latest 5 orders returned.

8.5.3. Sample Monitor Status Request URL

```
GET
/order/monitor/8CF1E692-54F3-4E9C-B74C-C2CB6A07D212?pageIndex=0&pageSize=10&orderStatus=Pending
```

8.5.4. Monitor Status Response

```
{
  "orders": [],
  "count": int,
  "totalPages": int
}
```

Name	Type	Description
orders	array	An array of Order Status Response https://vital4.visualstudio.com/VitalSearch

		3.0/ workitems as outlined above. All the same properties in the order status response (Order URL, Results, etc.) are available in this array of objects.
pageIndex	Int	The total count of orders that match the current query, regardless of pagination.
pageSize	Int	The total amount of pages that exist for the current pageSize value submitted. If no page size value is submitted, it defaults to 5 records per page.

9. Nat Crim Search

The National Criminal file search is a Non FCRA search which can be used for Due Diligence.

9.1. Overview

9.1.1. Offense Subclass Description

Offense Category	Offense Class	Offense Subclass	Examples
Financial	financial	bribery & corruption	Attempts to illegally influence the actions of third parties, the unlawful use of one’s position to evade the law, etc.
		embezzlement	Misuse of funds or property entrusted to someone, resulting in personal gain.
		forgery	The false making or altering of a writing that would regularly have legal effect. Includes counterfeiting.
		fraud	The use of deceitful practices to deprive another of his rights or to cause injury. Includes writing bad checks, using a stolen credit card.
		gambling	Illegal betting or wagering.
		identity theft	Illegally obtaining and using another’s personal information.
		other financial	Other financial offenses not falling into a specific category. This category includes money laundering, insider trading, tax crimes, etc.
Justice System	justice system	arrest	Offenses involving the apprehension of an individual by law enforcement. This category includes resisting, delaying, hindering, fleeing and eluding, providing false ID to law enforcement, etc.

		court administration	Acts or omissions by a person that interfere with the administration of judicial proceedings. This category includes failure to appear (FTA), failure to pay (FTP), failure to comply (FTC), obstruction, violations of sentencing terms or probation, etc.
		escape	Attempts to escape the custody of a jail or prison.
		failure to register	Failure to register, either as a sex offender, or sexually violent predator, or as a felon when required.
		forfeiture	Confiscation of property by authorities, typically when the property was used in the commission of a crime.
		warrants	Records of warrants, extradition orders, and holds.
Sex	sex	child pornography	Possession, use, distribution, sale, or creation of child pornography.
		exposure & lewdness	Public sexual indecency.
		rape	Sexual acts performed against a victim's will.
		sexual assault	Sexual physical advances against a victim.
		sexual exploitation	Non-consensual acts of abuse or exploitation against another person for the purpose of sexual gratification, financial gain, personal benefit or advantage, or any other non-legitimate purpose.

		sexual solicitation	Soliciting non-consensual sexual activity. Does not include prostitution.
		other sex	Other offenses of a sexual nature that do not fall into a specific category, such as incest.
Substance	substance	alcohol use	Offenses in which the consumption or use of alcohol is a main factor. This category includes minor in possession charges and habitual offender charges, but does not include DUI/DWI.
		impaired driving	Alcohol and substance-related offenses committed while operating a motor vehicle. This category includes DUI and DWI.
		marijuana use, description	Personal use and possession of marijuana. Trafficking is not included in this category.
		schedule I & II drug use	The use and possession of drugs classified as Schedule I or II drugs. This category includes cocaine, LSD, heroin, meth, morphine, codeine, opium etc.
		schedule III to V drug use	The use and possession of drugs classified as Schedule III, IV, or V drugs. This category includes common prescription drugs such as Xanax, Valium, or Robitussin AC.
		trafficking	Controlled substance distribution crimes, including sale, smuggling, trafficking possession with intent to distribute, etc.
		other substance	Other offenses involving controlled substances that do not fall into a specific category.
		Violence & Threats	violence

		elder neglect	Passive harmful offenses against the elderly.
		child abuse	Active harmful offenses against minors.
		elder abuse	Active harmful offenses against the elderly.
		coercion	Compelling, forcing, or requiring another to perform a certain action. Such compulsion can be the result of physical or implied force. Crimes in this category include blackmail, extortion, etc.
		homicide with intent	The intentional death of another person. This category includes murder.
		homicide without intent	The unintentional death of another person. This category includes unintentional manslaughter and vehicular manslaughter.
		other homicide	The death of another person. This category includes assisting suicide, euthanasia, illegal feticide, and homicides where the intent is not specified.
		deprivation of liberty	The physical restraint or forced movement of another person. Crimes in this category include kidnapping, exploitation, abduction, forced labor, restraint, hijacking, etc.
		emotional distress	Invasion of one's privacy, actions causing another person to feel emotional anguish, and actions that lead a person to fear for his/her safety. This category includes harassment, stalking, threats, invasion of privacy, etc.
		endangerment	Behavior which puts the life or safety of another person at risk. This

			category includes negligent supervision.
		physical violence	Offenses involving an element of physical violence, including assault, battery, trafficking in people, etc.
		simple assault	Simple assault.
		aggravated assault	Aggravated assault.
		other violence	Other offenses of a violent nature that do not fall into a specific category, or are not more specifically categorizable, such as assault with no other information.
Property & Theft	property	arson	Setting fire to a structure.
		burglary	The illegal entry into another's property with the intent to commit a crime therein. This category includes breaking and entering.
		robbery	The use of force to deprive another of their property.
		theft & possession of stolen goods	The illegal carrying away of another's property or the possession of stolen goods.
		theft of intellectual property	The misuse of another's intellectual property, including trademarks, copyrights, and patents.
		trespassing	Entry into another's property without lawful authority to do so.
		vandalism & mischief	The alteration of, or damage to, another's property.
		other property	Other offenses involving another's property that do not fall into a specific category.
Public Conduct	public conduct	cybercrime	Offenses committed through, or with the assistance of, a computer or computer network.

		disturbing the peace	Disorderly conduct that deprives others of their right to peace and tranquility.
		incitement	Attempts to motivate others to act illegally.
		loitering & vagrancy	Consistent presence in a location without legal reason.
		obscenity	Conduct considered to be offensive or indecent which has the effect of corrupting public morals. This category includes obscene gestures, obscene language, etc.
		prostitution	The illegal sale of sex.
		public intoxication	Being intoxicated in a public space.
		other public conduct	Other offenses involving public conduct that do not fall into a specific category.
Traffic	traffic	accident	Motor vehicle offenses involving collision, including accidents, hit and run, leaving the scene of accident.
		equipment	Motor vehicle offenses related to vehicle equipment.
		impairment	Offenses involving the testing for and evidence of driver impairment. This category includes open container charges, chemical test refusals, etc.
		license & documentation	Offenses related to drivers' administrative obligations, including registration, insurance, expired and suspended DL, etc
		non-motor	Traffic offenses that do not involve the use of a motor vehicle. This category includes offenses related to jaywalking, bicycling, etc.

		parking	Parking offenses.
		restraint	Offenses related to the misuse or failure to use safety devices in a motor vehicle. This category includes failure to use restraint devices, failure to wear head protection, etc.
		speed	Speeding offenses.
		tolls	Toll-related offenses.
		vehicular endangerment	Negligent or reckless use of a motor vehicle, including street racing, negligent driving, reck-less driving, etc.
		water	Boating-related offenses.
		other traffic	Other traffic offenses that do not fall into a specific category.
Other	other	accessory	Offenses related to a person's assistance in the commission of an offense, when the offense is otherwise unspecified.
		animals	Offenses against animals, including cruelty, neglect, abuse, etc.
		attempt	The attempt of a crime, when the offense is otherwise unspecified.
		conspiracy	The joint-planning and carrying out of an offense, when the offense is otherwise unspecified.
		environmental degradation	Harming the environment, including littering, pollution, and illegal dumping, logging, hunting, mining, fishing, etc.
		injury to character	Defamation, including libel and slander.
		protected species & objects	Offenses involving protected animals and plants. This category includes the movement, sale, or possession

			of protected flora, fauna, and archaeological ruins/objects, as well as offenses that degrade government-owned parks and sites.
		weapons	Offenses involving objects and materials that have the propensity to injure. This category includes explosives, deadly weapons, illegal possession/sale/construction of firearms or other devices, etc.
		welfare of minors	Negatively impacting the welfare of youth. This category includes giving alcohol to minors, giving pornographic material to minors, truancy, etc.
		other	Other offenses that could not be categorized. This category includes offenses related to maritime law, piracy, labour law, immigration, election crimes, etc.
Unspecified	unspecified	unspecified	These offenses do not provide sufficient data to be categorized.

9.1.2. Offense Class Description

Offense Category	Offense Class	Criminal Record Source Type	Offense Description
Sex Offenses	"sex"	"court"	Court record offenses associated with sexual assault, child pornography, molestation, or lewd and lascivious acts
Violence & Threats Offenses	"violence"	"court"	Court record offenses associated with murder, acts of assault, kidnapping, harassment, armed robbery, weapons, or battery
Property & Theft Offenses	"property"	"court"	Court record offenses associated with vandalism and damage to

			property, trespassing, burglary, larceny, shoplifting, petty, or grand theft
Substance Abuse Offenses	"substance"	"court"	Court record offenses associated with illegal possession, distribution, or abuse of controlled and regulated substances
Financial Offenses	"financial"	"court"	Court record offenses associated with financial fraud, identity theft, forgery, or embezzlement
Public Conduct Offenses	"public conduct"	"court"	Court record offenses associated with public behavior deemed by a state to be offensive, disruptive, or dangerous
Justice System Offenses	"justice system"	"court"	Court record offenses associated with the obstruction of justice, interference in the administration of the courts, or hindrance of law enforcement
Traffic Offenses	"traffic"	"court"	Court record offenses associated with driving misdemeanors, infractions, or violations
Other Offenses	"other"	"court"	Court record offenses that were not automatically categorized by our classifier based off of their descriptions
Unspecified Offenses	"unspecified"	"court"	Unspecified court record offenses
Watchlists	any of the above offense classes	"watchlist"	Watchlist records associated with threats to national security, foreign policy, health and human services, or the economy
Registered Sex Offenders	"sex" or "violence"	"sex offender list"	Presence on a sex offender registry

9.2. Create Search – NON FCRA

9.2.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

9.2.2. Request

The HTTP method and URL is as follows:

Method	URL
POST	/search/crim

9.2.3. Parameters

This API includes the following parameters.

```
{
  "billingCodeId": guid,
  "subject": string,
  "birthYear": integer,
  "birthMonth": integer,
  "birthDay": integer,
  "recordStates": [
    string
  ],
  "includeBlankDOB": boolean
}
```

Name	Type	Description	Required
billingCodeId	guid	ID provided by Vital4.	Yes
subject	string	Name of individual. Format: First Middle Last	Yes
birthYear	integer	Year of the subject's birthday. Format: YYYY	Yes
birthMonth	integer	Month of the subject's birthday. Format: MM (do not zero fill. For example for the Month of March Submit a 3 not 03)	No
birthDay	integer	Day of the month of the subjects's birthday. Format: DD (do not zero fill. For example for the 9th of March submit a 9 not 09)	No
recordStates	string array	An array of states the criminal record is from. Format: two digit State Code with a comma separator. For example Georgia would be GA.	No
includeBlankDOB	boolean	Return records that have blank DOB but meet other search criteria. Format: true or false, lower case.	No

The full DOB is not required however; you must provide at least the year of birth.

9.2.4. Response

```
{
  "billingCodeId": guid,
  "subject": string,
  "criminalRecords": [
    criminal record
  ]
}
```

Name	Type	Description
billingCodeId	guid	Provided BillingCodeId
subject	string	Name of individual searched.
criminalRecords[]	array	Array of criminal records.

Criminal Record

```
{
  "id": string,
  "caseNumber": string,
  "caseType": string,
  "firstName": string,
  "middleName": string,
  "lastName": string,
  "fullName": string,
  "dob": string,
  "race": string,
  "ethnicity": string,
  "hairColor": string,
  "eyeColor": string,
  "height": string,
  "weight": string,
}
```

```

"skin": string,
"build": string,
"gender": string,
"source": string,
"sourceName": string,
"convictionDate": string,
"status": string,
"sentence": string,
"arrestingAgency": string,
"docNumber": string,
"sorNumber": string,
"criminalRecordSourceType": string,
"criminalRecordSourceSubType": string,
"resultId": integer
"idProfile": string,
"offenses": [
  offense
],
"names": [
  name
],
"addresses": [
  address
],
"DOBS": [
  dob
],
"jurisdiction":{
  jurisdiction
}
}

```

Name	Type	Description
id	string	Internal identifier for the record. Ex: "MCRDCRTR030001124001JOSCRO"

caseNumber	string	Case number of the record. Ex: "095978301013"
caseType	string	Case type of the record as defined by the source. Ex: "Minor Offense", "FD", "Misdemeanor Class A", "Felony 6"
firstName	string	First name of the defendant.
middleName	string	Middle name of the defendant.
lastName	string	Last name of the defendant.
fullName	string	Full name of the defendant.
dob	string	Date of birth of the defendant.
race	string	Race of the defendant. Ex: "WHITE"
ethnicity	string	Ethnicity of the defendant. Ex: "NON-HISPANIC"
hairColor	string	Hair color of the defendant. Ex: "BLN", "Blonde", "Brown"
eyeColor	string	Eye color of the defendant. Ex: "BROWN"
height	string	Height of the defendant. Ex: "511"
weight	string	Weight of the defendant. Ex: "290"
skin	string	Skin color of the defendant. Ex: "FAIR", "MBR", "LIGHT BROWN"
build	string	Build of the defendant. Ex: "EXTRA L", "Obese"
gender	string	Gender of the offender.

		Ex: "unknown", "male", "female", "nonbinary"
source	string	Internal identifier for the source. Ex: "NE_Doc_View",
sourceName	string	Name of source. Ex. "NE Dept. of Corrections"
convictionDate	string	Date the defendant was convicted. Ex. "2004-06-03"
status	string	Status of the offender. Ex: "DISPOSED", "Released On Recognizance", "Active", INCARCERATED
sentence	string	Description of the sentence. Ex: "Probation 1 Year", "PTS ENHANCED SUPERVISION"
arrestingAgency	string	Arresting agency. Ex: "Benton County Sheriff", "HARRIS CO SO HOURSON"
docNumber	string	Department of correction number for the offender. Ex: "07355111"
sorNumber	string	Sex offender registry number for the offender. Ex: "TX-7307320"
criminalRecordSourceType	string	Field for classifying the source. Ex: "court", "sexoffenderlist", "watchlist"
criminalRecordSourceSubType	string	Field classifying the source subtype. Ex: "arrest", "criminal registry", "court", "doc", domestic watchlist"
resultId	integer	Unique id for the search result.
idProfile	string	Unique id used when disputing results.
offenses	array	Array of offenses .

names	array	Array of names from the record(s).
addresses	array	Array of addresses from the record(s).
dobs	array	Array of date of birth from the record(s).
jurisdiction	object	Jurisdiction of the record.

Offense

```
{
  "caseNumber": string,
  "caseType": string,
  "offenseDate": string,
  "offenseClass": string,
  "offenseSubclass": string,
  "offenseDescr": string,
  "offenseDegree": string,
  "offenseLevel": string,
  "sentenceDate": string,
  "sentenceType": string,
  "sentenceDescription": string,
  "incarcerationDate": string,
  "arrestDate": string,
  "arrestingAgency": string,
  "courtCaseNumber": string,
  "courtName": string,
  "releaseDate": string,
  "recordDate": string,
  "caseFilingDate": string,
  "disposition": string,
  "dispositionType": string,
  "dispositionDate": string,
  "county": string,
  "convictionJurisdiction": string,
  "convictionDate": string
}
```

Name	Type	Description
caseNumber	string	Case number of the offense. Ex: "095978201010"
caseType	string	Case type of the offense as defined by the source. Ex: "felony", "gross misdemeanor", "Offense Infraction"
offenseDate	string	Date the offense occurred. Ex: "2003-07-28"
offenseClass	string	Internal classification field. See Offense Class Descripton below
offenseSubclass	string	Internal subclassification field. See Offense Subclass Decripton below.
offenseDescr	string	Offense description from the source. Ex: "SEXUAL ASSAULT CHILD", "BATTERY", "AGGRAV STALKING"
offenseDegree	string	Degree of the offense from the source. Ex: "FELONY", "Misdemeanor", "Infraction"
offenseLevel	string	Internal field classifying offense level.Ex: "FELONY", "MISDEMEANOR", "UNKNOWN", "INFRACTION/VIOLATION/ORDIANCE/TRAFFIC"
sentenceDate	string	Date the defendant was sentenced. Ex: "2004-06-03"
sentenceType	string	Type of sentence as defined by the source. Ex: "finFppppped", "failed", "probation"
incarcerationDate	string	Date the defendant was incarcerated. Ex: "2007-06-03"
arrestDate	string	Date the defendant was arrested. Ex: "2003-07-28"

arrestingAgency	string	Arresting agency. ExL UNITED STATES MARSHALL'S SERVICE", "Elwood Police Department", "Madison County Sheriff"
courtCaseNumber	string	Case number of the offense. Example: "MCRDCRTR03-0001124-008"
courtName	string	Name of the court that tried the defendant. Ex: "CA Shasta Superior Court", "GA Dept of Corrections (Web)"
releaseDate	string	Release date of the offender. Ex: "2019-03-26"
recordDate	string	Internal field to calculate the age of the record. Ex: "2003-02-19"
caseFilingDate	string	Date the case was filed. Ex: "2003-02-19"
Disposition	string	Disposition of the offense. Ex: "DISM OTHER", "DEFERRED ADJUDICATION TERMINATED", "Adjudicated Guilty", "NOLLE PROSEQUI", "DISMISSED CASEREFILED"
dispositionType	string	Internal field classifying the disposition. Ex: "GUILTY", "NOT GUILTY", "WITHHELD", "NOT DISPOSED", "NO VERDICT", "UNKNOWN"
dispositionDate	string	Date the offense was disposed. Ex: "2013-03-28"
county	string	County associated with the offense. Ex: "Benton", "JACKSON", "PORTER"
convictionJurisdiction	string	Jurisdiction associated with the offense City, State, or County. Ex: "Woodbury", "Black Hawk", "Hudson", "Jersey City Municipal Court"
convictionDate	string	Date of conviction.

		Ex: "2004-06-03"
--	--	------------------

Name

```
{
  "fullName": string,
  "firstName": string,
  "middleName": string,
  "lastName": string,
  "suffixes": string
}
```

Name	Type	Description
fullName	string	Full name.
firstName	string	First name.
middleName	string	Middle name.
lastName	string	Last name.
suffixes	string	Typically a generational title. Ex: "JR", "2nd", "IV"

Address

```
{
  "address1": string,
  "address2": string,
  "city": string,
  "state": string,
  "zipCode": string
}
```

Name	Type	Description
------	------	-------------

address1	string	Street number and street name or PO Box.
address2	string	Street address line 2 (continuation of above if needed).
city	string	City
State	string	State
zipCode	string	ZIP code

DOB

```
{
  "date": string
}
```

Name	Type	Description
date	string	Date of birth. Values are populated and returned as YYYY-MM-DD with zeros put in for elements that are missing. Ex: "1980-00-00", "1980-11-05", "1969-09-00"

Jurisdiction

```
{
  "county": string,
  "state": string
}
```

Name	Type	Description
county	string	County jurisdiction associated with the record. Ex: "Harris"
state	string	State jurisdiction associated with the record.

	Ex: "TX"
--	----------

9.2.5. Samples

Sample Request

POST /search/crim

Body:

```
{
  "billingcodeid": "144da11b-6e02-42de-8402-b26ad52fedc6",
  "subject": "Joe Sample",
  "birthYear": 1966,
  "birthMonth": 8,
  "birthDay": 6,
  "recordstates": ["OH","TX"],
  "includeblankDOB": true
}
```

Sample Response

```
{
  "subject": "Joe Sample",
  "billingCodeId": "144da11b-6e02-42de-8402-b26ad52fedc6",
  "criminalRecords": [
    {
      "offenses": [
        {
          "caseNumber": "MD-0087633",
          "caseType": "Adult Misdemeanor",
          "offenseDate": "1988-08-03",
          "offenseClass": "violence",
          "offenseSubclass": "physical violence",
          "offenseDescr": "Assault Causing Bodily Injury",
          "offenseDegree": "ND",
          "offenseLevel": "MISDEMEANOR",
          "courtCaseNumber": "MD-0087633",
          "courtName": "County Court at Law No. 1",
          "recordDate": "1985-03-21",
          "caseFilingDate": "1985-03-21",

```

```
    "dispositionType": "UNKNOWN"
  }
],
"names": [
  {
    "fullName": "Joe Sample",
    "firstName": "Joe",
    "middleName": "John",
    "lastName": "Sample"
  }
],
"addresses": [
  {
    "address1": "555 Main St. UNIT 702; TEXAS",
    "city": "Galveston",
    "state": "TX"
  }
],
"dobs": [
  {
    "date": "1966-08-06"
  }
],
"jurisdiction": {
  "county": "Galveston",
  "state": "TX"
},
"id": "1901xpAaYXnoECy178a6E+MpWKQ==",
"firstName": "Joe",
"middleName": "John",
"lastName": "Sample",
"fullName": "Joe Sample",
"dob": "1966-08-06",
"gender": "",
"source": "TX_Galveston_View",
"sourceName": "TX Galveston County Courts",
"criminalRecordSourceType": "court",
"criminalRecordSourceSubType": "court",
"resultId": 1
```

```
},
{
  "offenses": [
    {
      "offenseClass": "property",
      "offenseSubclass": "burglary",
      "offenseDescr": "BURGLARY",
      "offenseLevel": "UNKNOWN",
      "incarcerationDate": "1987-01-28",
      "courtName": "Lawrence",
      "releaseDate": "1987-03-27",
      "dispositionType": "UNKNOWN",
      "convictionJurisdiction": "Lawrence"
    }
  ],
  "names": [
    {
      "fullName": "Joe Sample",
      "firstName": "Joe",
      "lastName": "Sample"
    }
  ],
  "dobs": [
    {
      "date": "1966-08-06"
    }
  ],
  "jurisdiction": {
    "state": "OH"
  },
  "id": "2201xBeReSNM9D3urqTsTGSSy9A==",
  "firstName": "Joe",
  "lastName": "Sample",
  "fullName": "Sample, Joe",
  "dob": "1966-08-06",
  "race": "BLACK",
  "gender": "male",
  "source": "ohdoc",
  "sourceName": "OH Dept. of Corrections",
}
```

```
"criminalRecordSourceType": "court",  
"criminalRecordSourceSubType": "DOC",  
"resultId": 2  
}  
]  
}
```

10. Vital4Trace Search

With Vital4Trace, you can receive information about a persons SSN, all known addresses, phone numbers and all known aliases. By searching an SSN, we will provide the name(s), addresse(s), and phone number(s) associated with that identification number from a variety of sources.

We also provide grouped lists of:

- Addresses matching the aliases of the person
- Aliases matching the addresses of the person
- Aliases with their matched addresses, matching the counties and states of the person

Any dates returned as a string are in m/d/yyyy format.

10.1. Create Search

10.1.1. Resource Information

The resource information is as follows:

Method	Purpose
Response formats	JSON
Requires authentication?	Yes

10.1.2. Request

The HTTP method and URL is as follows:

Method	URL
POST	/search/Vital4Trace

10.1.3. Parameters

This API includes the following parameters.

```
{
  "billingCodeId": guid,
  "ssn": string,
  "firstName": string,
  "lastName": string,
  "maxAddressYears": integer
}
```

Name	Type	Description	Required
billingCodeId	guid	ID provided by Vital4.	Yes
ssn	string	Social Security Number. Accepts 9 digit social security number in format xxx-xx-xxxx	Yes
firstName	string	First name of the subject. If entered, only results that match both SSN and firstName will be returned.	No
lastName	string	Last name of the subject. If entered, only results that match both SSN and lastName will be returned.	No
maxAddressYears	integer	Filter out any addresses which are older than x years.	No

10.1.4. Response

```
{
  "persons": [
    Search Result
  ],
  "errorMessage": string
}
```

Name	Type	Description
Results	array	Array of search results
errorMessage	string	If there is an error, the description will be here.

Search Result

```
{
  "name": {
    person name
  },
  "ssn": string,
  "ssnDates": string,
  "ssnLocation": string,
  "ssnAlternateLocation": string,
  "socialSecurityNumbers": [
    social security number
  ],
  "dob": string
  "age": integer,
  "dod": string,
  "datesOfDeath": [
    {
      "dod": string
    }
  ],
  "deathRecords": {
    "isDeceased": boolean
  },
}
```

```

"aliases": [
  alias
],
"addresses": [
  address
],
"phoneNumbers": [
  phone number
],
"emailAddresses": [
  {
    "emailAddress": string
  }
],
"fullName": string,
"countyStates": [
  county state
]
}

```

Name	Type	Description
name	object	Person Name
ssn	string	
ssnDates	string	
ssnLocation	string	
ssnAlternateLocation	string	
socialSecurityNumbers[]	array	Array of social security number
dob	string	
age	integer	
dod[]	string	
datesOfDeath[]	array	

datesOfDeath[].dod	string	Individuals date of death
deathRecords	object	
deathRecords.isDeceased	boolean	
aliases[]	array	Array of Alias
addresses[]	array	Array of address
phoneNumbers[]	array	Array of phone number
emailAddresses[]	array	Array of email addresses
emailAddresses[].emailAddress	string	
fullName	string	Individuals full name
countyStates[]	array	Array of County State

Person Name

```
{
  "prefix": string,
  "firstName": string,
  "middleName": string,
  "lastName": string,
  "suffix": string,
  "publicFirstSeenDate": string
}
```

Name	Type	Description
prefix	string	Individuals name prefix
firstName	string	Individuals first name
middleName	string	Individuals middle name
lastName	string	Individuals last name
suffix	string	Individuals suffix

publicFirstSeenDate	string	Individuals public first seen date
---------------------	--------	------------------------------------

Alias

```
{
  "referenceId": integer,
  "prefix": string,
  "firstName": string,
  "middleName": string,
  "lastName": string,
  "suffix": string,
  "publicFirstSeenDate": string,
  "fullName": string,
  "addressReferences": [
    {
      "addressReferenceId": integer,
      "fullAddress": string
    }
  ]
}
```

Name	Type	Description
referenceId	integer	Alias reference Id
prefix	string	Alias name prefix
firstName	string	Alias first name
middleName	string	Alias middle name
lastName	string	Alias last name
suffix	string	Alias suffix
publicFirstSeenDate	string	Alias public first seen date
fullName	string	Alias full name

addressReferences[]	array	Array of matched addresses for the alias
addressReferences[].addressReferenceld	integer	Id of the referenced address
addressReferences[].fullAddress	string	Full address of the referenced address

Social Security Number

```
{
  "ssn": string,
  "dates": string,
  "location": string
}
```

Name	Type	Description
ssn	string	Individuals social security number
dates	string	Dates used
location	string	State where ssn was issued

Address

```
{
  "referenceId": integer,
  "houseNumber": string,
  "streetPreDirection": string,
  "streetName": string,
  "streetPostDirection": string,
  "streetType": string,
  "unit": string,
  "unitType": string,
  "city": string,
  "state": string,
  "county": string,
  "zip": string,
}
```

```

"zip4": string,
"latitude": string,
"longitude": string,
"firstReportedDate": string,
"lastReportedDate": string,
"fullAddress": string,
"aliases": [
  {
    "aliasReferenceId": integer,
    "aliasName": string
  }
]

```

Name	Type	Description
referenceId	integer	Address reference Id
houseNumber	string	
streetPreDirection	string	
streetName	string	
streetPostDirection	string	
streetType	string	
unit	string	
unitType	string	
city	string	
state	string	
county	string	
zip	string	
zip4	string	
latitude	string	
longitude	string	

firstReportedDate	string	
lastReportedDate	string	
fullAddress	string	
aliases[]	array	Array of aliases matching the address
aliases[].aliasReferenceId	integer	Id of the referenced alias
aliases[].aliasName	string	Name of the referenced alias

Phone Number

```
{
  "phoneNumber": string,
  "company": string,
  "location": string,
  "phoneType": string,
  "isConnected": boolean,
  "firstReportedDate": string,
  "lastReportedDate": string
}
```

Name	Type	Description
phoneNumber	string	
Company	string	
Location	string	
phoneType	string	
isConnected	boolean	
firstReportedDate	string	
lastReportedDate	string	

County State

```
{
  "county": string,
  "state": string,
  "aliasReferences": [
    {
      "aliasReferenceId": integer,
      "aliasName": string,
      "addressReferences": [
        {
          "addressReferenceId": integer,
          "fullAddress": string
        }
      ]
    }
  ]
}
```

Name	Type	Description
county	string	County
state	string	State
aliasReferences[]	array	Array of aliases matching the state and county
aliasReferences[].aliasReferenceId	integer	Id of the referenced alias
aliasReferences[].aliasName	string	Name of the referenced alias
aliasReferences[].addressReferences[]	array	Array of addresses matching the referenced alias
aliasReferences[].addressReferences[].addressReferenceId	integer	Id of the referenced address

aliasReferences[].addressReferences[].fullAddress	string	Full address of the referenced address
---	--------	--

10.1.5. Samples

Sample Request

POST /search/Vital4Trace

Body:

```
{
  "billingcodeid": "144da11b-6e02-42de-8402-b26ad52fedc6",
  "ssn": "123-45-6789",
  "maxAddressYears": 10
}
```

Sample Response

```
{
  "persons": [
    {
      "name": {
        "prefix": "",
        "firstName": "John",
        "middleName": "David",
        "lastName": "Doe",
        "suffix": "",
        "publicFirstSeenDate": "1/1/1970"
      },
      "ssn": "123-45-6789",
      "ssnDates": "1934-1951",
      "ssnLocation": "California",
      "ssnAlternateLocation": "CA",
      "socialSecurityNumbers": [
        {
          "ssn": "123-45-6789",
          "dates": "1934-1951",
          "location": "California"
        }
      ],
    }
  ]
}
```

```
{
  "ssn": "123-45-6789",
  "dates": "1934-1951",
  "location": "Georgia"
}
],
"dob": "9/30/1928",
"age": 94,
"dod": "1/19/2013",
"datesOfDeath": [
  {
    "dod": "1/19/2013"
  }
],
"deathRecords": {
  "isDeceased": true
},
"aliases": [
  {
    "referenceId": 1,
    "prefix": "",
    "firstName": "John",
    "middleName": "D",
    "lastName": "Doe",
    "suffix": "",
    "publicFirstSeenDate": "1/1/1970",
    "fullName": "John D Doe",
    "addressReferences": [
      {
        "addressReferenceId": 1,
        "fullAddress": "872 N Miami Ave; Fresno, CA 93727-8042"
      }
    ]
  }
],
"addresses": [
  {
    "referenceId": "1",
    "houseNumber": "872",
```

```
"streetPreDirection": "N",
"streetName": "Miami",
"streetPostDirection": "",
"streetType": "Ave",
"unit": "",
"unitType": null,
"city": "Fresno",
"state": "CA",
"county": "Fresno",
"zip": "93727",
"zip4": "8042",
"latitude": "36.782127",
"longitude": "-119.689602",
"firstReportedDate": "9/1/2004",
"lastReportedDate": "9/1/2022",
"fullAddress": "872 N Miami Ave; Fresno, CA 93727-8042",
"aliases": [
  {
    "aliasReferenceId": 1,
    "aliasName": "John D Doe"
  }
]
},
"phoneNumbers": [
  {
    "phoneNumber": "(555) 258-9999",
    "company": "Pacific Bell Telephone Company",
    "location": "",
    "phoneType": "LandLine/Services",
    "isConnected": true,
    "firstReportedDate": "8/1/1993",
    "lastReportedDate": "9/1/2022"
  }
],
"emailAddresses" [
  {
    "emailAddress": "johnddoe@aol.com"
  }
]
```

```
],
  "fullName": "John David Doe",
  "countyStates": [
    {
      "county": "Fresno",
      "state": "CA",
      "aliasReferences": [
        {
          "aliasReferenceId": 1,
          "aliasName": " John D Doe",
          "addressReferences": [
            {
              "addressReferenceId": 1,
              "fullAddress": "872 N Miami Ave; Fresno, CA 93727-8042"
            }
          ]
        }
      ]
    }
  ]
},
  "errorMessage": null
}
```

11. Addendum A-1

11.1. Adverse Media Language List:

The list of languages that can be used in “sourceLanguages” field of AdverseMedia searches. Language names are case-sensitive.

Language Names
English
Spanish
Japanese
Portuguese
Chinese
French
Arabic
Italian

11.2. WLS Language List:

The list of languages that can be used in “sourceLanguages” field of WLS searches. Language names are case-sensitive.

Language Names
English
Malay
Swedish
Vietnamese
Malaysian
Arabic
Georgian

Greek
Sinhala
Uzbek
Russian
Tajik
Indonesian
Chinese
Norwegian
Romanian
Thai
Slovak
French
Polish
Armenian
Croatian
Dutch
Bosnian
Spanish
Azerbaijani
Portuguese
Ukrainian
Hebrew
Icelandic
Latvian

Japanese
Hungarian
German
Slovenian
Korean
Danish
Persian
Estonian
Serbian
Czech
Swahili
Macedonian
Italian
Bulgarian
Urdu
Turkish
Albanian
Lithuanian
Khmer
Nepali

12. Troubleshooting

12.1. Common response error codes

This is a list of the most common critical errors that our API returns:

Code	Status	Description
400	Bad Request	The server cannot or will not process the request due to something that is perceived to be a client error (e.g., malformed request syntax, invalid request value, ...).
401	Unauthorized	Client must authenticate itself to get the requested response.
403	Forbidden	Server understands the request but refuses to authorize it.
429	Too Many Requests	The user has sent too many requests in a given amount of time ("rate limiting").
500	Internal Server Error	The server has encountered a situation it does not know how to handle. It is advised to contact Vital4 support.

We advise you to log the error response returned from the API so it can be used for efficient problem resolution.