



WatchDOG® REST WatchList Screening API Integration Guide

Watch List Screening– REST API

Last Updated 2021-01-20

Copyright 2019

CSI Regulatory Compliance
13860 Ballantyne Corporate Place
Suite 200
Charlotte, NC 28277
For Support: 888-494-8449 ext.3

RESTful Web services integration Guide

Contents

| | |
|---|-------------------------------------|
| Introduction..... | 3 |
| Prerequisites..... | 3 |
| Authorization and Bearer Token for WLS API | 3 |
| Authorization Parameters | 3 |
| Bearer Token Parameter Definitions..... | 4 |
| Authorization Bearer Token Endpoint..... | 4 |
| Utilizing Bearer Token for WLS..... | 6 |
| WLS Endpoint..... | 6 |
| WLS API..... | 7 |
| Header Values for submitting WLS (Technical specifications) | 8 |
| WLS Parameters: Fields, Limits, description and Requirements..... | 8 |
| WLS Endpoint | Error! Bookmark not defined. |
| Response from CSI..... | 12 |
| WLS Response and parameters..... | 16 |
| Transaction ID..... | 16 |
| Unique ID..... | 16 |
| Response Parameter Sample..... | 16 |
| Response Parameters Definition glossary..... | 21 |
| Not offered with REST API..... | 29 |
| Sample Request..... | 30 |
| Resources | 32 |
| CSI Support & Integrations Team | 32 |
| Postman..... | 32 |
| Swagger | 32 |

Introduction

This document was created to provide instructions and general guidelines for creating and running API web service requests to screen in real time using the RESTful method instead of SOAP Action. This document will go over the API structure, Authorization Token and setup, and creating a request and receiving a response. All definitions will be listed in the glossary at the end of this documentation as well.

The examples provided in this guide are from a test environment on CSI servers. Customer-specific information will be provided individually to each customer to setup their Authorization token (bearer token) and WatchList Screening (WLS) real time request.

Prerequisites

- Access to Postman. This app is offered through Google apps and there is a free version to use for testing. You can also use other programs as well but for this guide Postman is the application in use. Go to <https://www.getpostman.com/> to download the app.
- Credentials to use for a custom environment:
 - a. Client_id
 - b. client_secret
 - c. Scope
 - d. Grant_type

Authorization and Bearer Token for WLS API

CSI uses Bearer tokens to provide individual CSI clients with security to access our servers. Bearer tokens are the predominant type of access token used with OAuth 2.0. A Bearer Token is an opaque string, not intended to have any meaning to clients using it. Some servers will issue tokens that are a short string of hexadecimal characters, while others may use structured tokens such as JSON Web Tokens.

The use of tokens has many benefits compared to traditional methods such as cookies. Tokens are stateless. The token is self-contained and contains all the information it needs for authentication. This is great for scalability as it frees your server from having to store session state user data.

Authorization Parameters

CSI provides the following information. Each item below are identifiers of the individual customer account, CSI support creates a client account, and generates a Client_ID, Client_Secret, Scope and grant_type. CSI Support will then securely e-mail this information to the client's technical representative. Clients can then plug in the specific information into a POST call using an endpoint to obtain a Bearer token.

Bearer Token Parameter Definitions

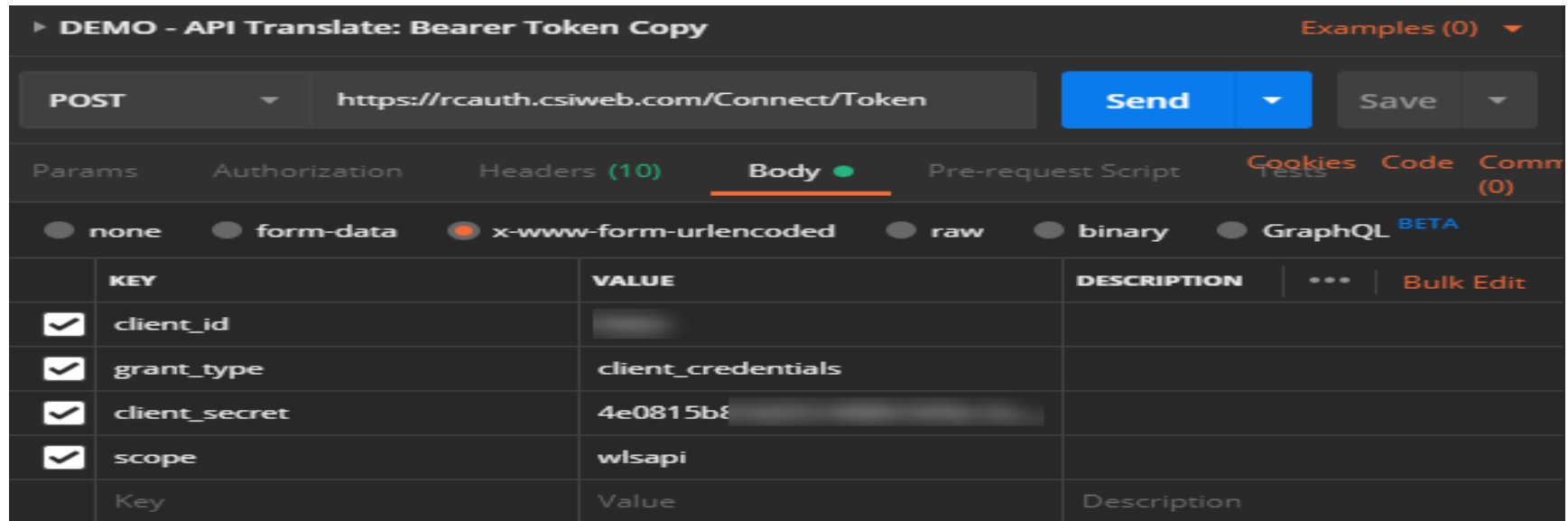
| | |
|----------------------|--|
| Client_ID | This is the name of the client, used to identify the customer for the authorization process. We highly recommend testing in Postman (if there is no other means of testing). |
| Client_Secret | Much like the GUID /Billingcode in a SOAP action API call, the Authorization call requires the Secret code to help create the authorization Token |
| Scope | This specifically indicated the type of request / API. In this case the scope will be set up as "wlsapi". |
| grant_type | Access type, permissions. This will be "client_credentials" |

Authorization Bearer Token Endpoint

CSI will provide the authorization endpoint; the Authorization endpoint is a POST API call to obtain your Bearer Token (Authorization code). Sending the Client_ID, Client_Secret, Scope and grant type to this endpoint will generate the bearer token authorization, which will complete the authorization stage.

POST Authorization Endpoint> Production: <https://rcauth.csiweb.com/Connect/Token>
 Test: <https://testrcauth.csiweb.com/Connect/Token>

Below is an example of the POST authorization setup in Postman. This example shows how to incorporate the endpoint and the parameters to send a request and receive a bearer token.



DEMO - API Translate: Bearer Token Copy

POST `https://rcauth.csiweb.com/Connect/Token` Send Save

Params Authorization Headers (10) **Body** Pre-request Script Cookies Code Comm (0)

none form-data **x-www-form-urlencoded** raw binary GraphQL BETA

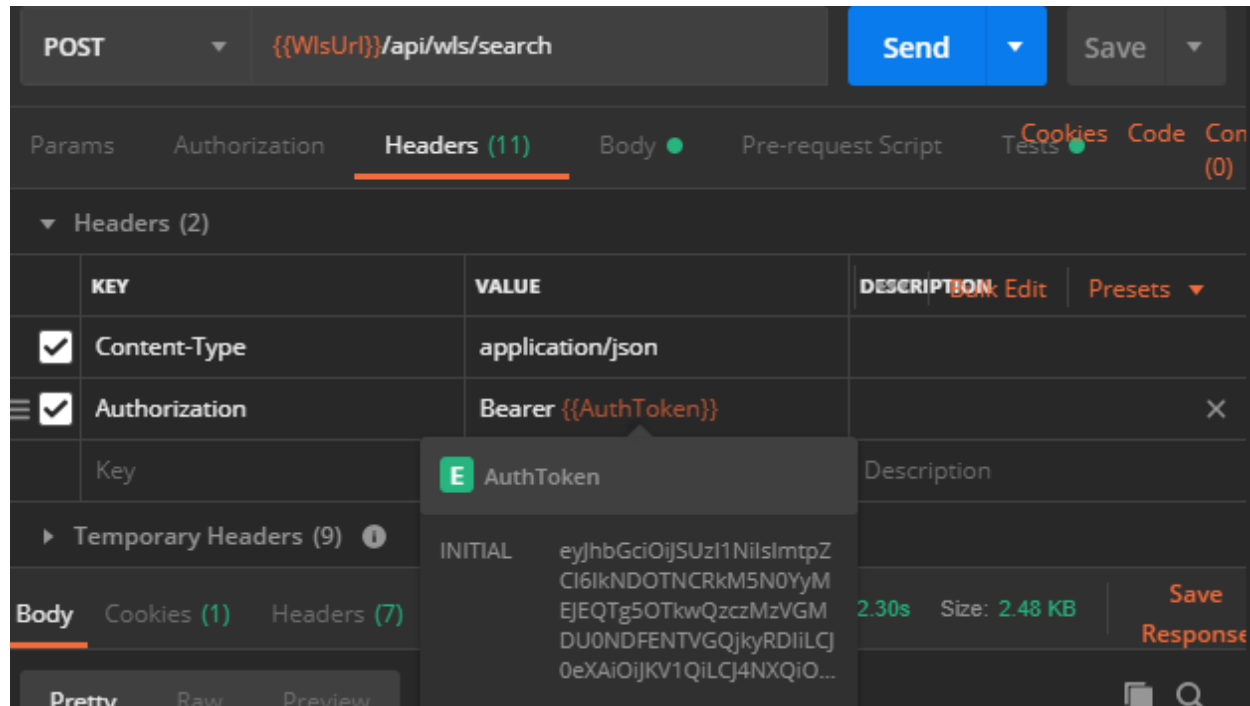
| | KEY | VALUE | DESCRIPTION | ... | Bulk Edit |
|-------------------------------------|---------------|--------------------|-------------|-----|-----------|
| <input checked="" type="checkbox"/> | client_id | | | | |
| <input checked="" type="checkbox"/> | grant_type | client_credentials | | | |
| <input checked="" type="checkbox"/> | client_secret | 4e0815b8 | | | |
| <input checked="" type="checkbox"/> | scope | wlsapi | | | |
| | Key | Value | Description | | |

Another example of this request not using the Postman user interface. In this sample clients also can write the request as well. Text highlighted below shows how the Parameters will be submitted for authorization Bearer Token.

```
POST /Connect/Token HTTP/1.1
Host: rcauth.csiweb.com
Content-Type: application/x-www-form-urlencoded
Cache-Control: no-cache
Postman-Token: a6756865-1254-9224-3a8d-xxxxxxxxxxxxxx
```

client_id=Test&grant_type=client_credentials&secret=xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxscope=wlsapi

Example response of a Bearer Token for authorization. This completes the first part of the WLS API which is obtaining the Bearer Token.



Utilizing Bearer Token for WLS

After generating your Bearer Token, the next step is the WLS API call. The Bearer Token can be tested in Postman (or a preferred application). Copy the Bearer token that was returned in response from your Bearer Token request. Copy all characters between quotes and this will be used as your Bearer Token until it expires.

Tokens have a range of expiration based on a client need the Bearer token can last up to 250,000 seconds (2.5 days) and a minimum of 3000 seconds (>1hr).

WLS Endpoint

CSI will provide the WLS endpoint; the WLS endpoint is a POST API call to submit the WLS API to the CSI servers. Sending the parameters listed in the table above to this endpoint will add the GCL, BCL or Reviewed indicator to the specified transaction in the request. This will complete the WLS request.

WLS POST Endpoint> Production: <https://rcwls.csiweb.com/api/wls/search>

Test: <https://testrcwls.csiweb.com/api/wls/search>

RESTful Web services integration Guide

WLS API

Once the Bearer Token is obtained, begin the WLS API request. WLS API has been created so clients can screen their customers, vendors or other entities against the most current watchlists by using this API. Information such as Name, Identifiers, a unique Identifier, Address information, DOB, and more can be passed to CSI servers to be screened in real time. The API was built to assist clients in integrating our search service into their application so the screening can happen at the time a customer or vendor is entered in their system. The response from our server is then generated back into the client's application. Then the client can set up business rules and expectation from their side based on responses. We have a swagger site that will help explain parameters and how to use them. <https://rcwls.csiweb.com/>

Example below shows the parameters used to send the POST WLS request. The table provided in this guide will explain what each parameter means and whether it is required or optional to complete the WLS request.

```
{
  "partnerId": "string",
  "createdBy": "string",
  "query": {
    "lastname": "string",
    "firstname": "string",
    "allentities": "string",
    "othername": "string",
    "unparsedName": "string",
    "uniqueId": "string",
    "address1": "string",
    "address2": "string",
    "state": "string",
    "city": "string",
    "postalcode": "string",
    "country": "string",
    "countryiso2": "string",
    "countryiso3": "string",
    "yearofBirth": 0,
    "clientDefined1": "string",
    "clientDefined2": "string",
    "clientDefined3": "string",
    "ids": [
      {
        "type": "string",
        "value": "string"
      }
    ]
  },
  "settings": {
    "watchList": [
      {
        "code": "string",
        "thresholdOverride": 0,

```

```

    "searchBlockedCountry": true
  }
],
"addressDisqualification": true,
"countryDisqualification": true,
"dobDisqualification": {
  "enabled": true,
  "range": 0
},
"searchAddress": true,
"settingId": "string",
"storeData": true,
"threshold": 0,
"updateMaster": true
}
}

```

Header Values for submitting WLS (Technical specifications)

| Key | Value | |
|---------------|--|----------|
| Content-Type | application/json | Required |
| Authorization | Bearer: {{Insert Encoded authorization token}} | Required |

WLS Parameters: Fields, Limits, description and Requirements

| Field | character limit | Description | Requirement |
|------------------|-----------------|--|-------------|
| partnerID | 50 | Unique identifier assigned to a parent client that handles requests for one or more child entities. For example, a core processor that runs OFAC requests for customers. | No |
| createdBy | 50 | Just like what “user name” was used for: createdBy is the person sending the request. The name will be automatically added to database for | No |

| | | | |
|--------------|--------------|--|--|
| | | searching/reporting purposes based on value passed in. | |
| Query | | | |
| lastname | 100 | Verify against last name value. | Name is required , however only 1 type is needed. Input either: First, Middle (optional), & Last Other Name, Unparsed, or All Entities |
| firstname | 100 | Verify against first name value. | |
| allentities | 100 | Verify against all entity types (individual and non-individual). | |
| othername | 100 | Verify against business, vessel, etc. (nonperson entities). | |
| unparsedName | 100 | Verify against individuals. | Not required - however, needed if planning to use CSI's whitelisting functionality (Good Customer and Blocked customer) or CDM (Customer Data Master) |
| uniqueId | 50 | Specifies to check the Good Customer List (GCL) for id and name in the request. This will cause an additional attribute (gclfilter) to be returned in the NUMRECORDS node in the XML response. | |
| address1 | 100 | Street address – line1 | No |
| address2 | 100 | Street address – line2 | No |
| state | 50 | Verify against state/province information | No |
| city | 50 | Verify against city information | No |
| postalcode | 50 | Verify address against Postal Code information | No |
| country | 50 | Verify address against the country name value. | No |
| countryiso2 | 2 | Verify address against the ISO2 country code value. | No |
| countryiso3 | 3 | Verify address against the ISO3 country code value. | No |
| yearofbirth | integer YYYY | used to specify the year that you want to verify against | No |

| | | | |
|-------------------------|---------------------|--|-----|
| clientDefined1 | 100 | Holds client specific information about the request. Use these fields to place your own identifying information when the response stream returns. Note: pass-thru field which is for reviewing purposes, not used in screening | No |
| clientDefined2 | 100 | Holds client specific information about the request. Use these fields to place your own identifying information when the response stream returns. Note: pass-thru field which is for reviewing purposes, not used in screening | No |
| clientDefined3 | 100 | Holds client specific information about the request. Use these fields to place your own identifying information when the response stream returns. Note: pass-thru field which is for reviewing purposes, not used in screening | No |
| ids | 10 | Pass a max of 10 ID attributes in the data list | No |
| Settings | | | |
| WatchList code | string* | All Watchlists licensed to the account are entered here in a string. Example; "Code:" "OFAC", | Yes |
| thresholdOverride | number | This is used to override any default threshold | No |
| searchBlockedcountry | boolean true/ false | additional search on just country against a sanction check. | No |
| addressDisqualification | boolean true/false | Cross check screened country, postal, city, state information against data on the watchlists. This feature will disqualify an alert if the data does not match. | No |

| | | | |
|-------------------------|--------------------|--|----|
| countryDisqualification | boolean true/false | Cross check preformed on screened country information against the country information on the watchlist. If the countries do not match the alert is disqualified. | No |
| searchAddress | boolean true/false | Cross check preformed on screened street address information against street address information that maybe registered on the watchlist. This function DOES NOT DISQUALIFY. It will cause more alerts if the address matches a registered street address. This also increases billable transactions if used. | No |
| settingsId | string* | | |
| storeData | boolean | Attribute that determines if the search data is retained or not. Storing data, allows you to see the transaction in the review transaction page of WatchDOG Elite. The standard/recommended is True. Set to False if you do not want API transactions viewable in WatchDog's UI. To note: using False may cause difficulty if needing to investigate API transactions. | No |
| threshold | number | Element under ITEM that describes the threshold of the matching algorithm. Valid range of values are .80000 thru 1.00000 1.0 is an exact string match. The default value is .85000 | No |
| updatemaster | boolean true/false | Used to store requests into a collective database, to create an overall master list for on-going monitoring purpose. Used by CDM (customer Data Master) clients. | No |

Response from CSI

After the request has been sent, a response will return. Below are all the values that can returned in a response file. The request information will appear in the response as well, however for this sample we've removed the request portion as it is the same as above. If you would like to see the full request/response, we have a swagger page for it. <https://rcwls.csiweb.com/>

```
{
  "transactionId": "string",
  "result": {
    "searchCriteria": [
      {
        "hitsSummary": {
          "totalHits": 0,
          "totalEntityHits": 0,
          "totalBlockedCountryHits": 0,
          "isGclMatchHit": true,
          "gclMatch": true
        },
        "searchListInformation": {
          "listDate": "2019-09-27T17:43:51.525Z",
          "threshold": 0,
          "name": "string",
          "description": "string",
          "listCode": "string"
        },
        "entities": [
          {
            "entityId": 0,
            "deltaType": 0,
            "entityNumber": 0,
            "maxScore": 0,
            "isAliasHit": true,
            "isAddressHit": true,
            "score": 0,
            "lastName": "string",
            "firstName": "string",
            "isIdentifierHit": true,
            "otherName": "string",
            "wholeName": "string",
            "type": "string",
            "programs": "string",
            "remarks": "string",
            "aliases": [
              {
                "name": "string",
                "type": "string",
                "score": "string"
              }
            ]
          }
        ]
      }
    ]
  }
}
```

```

],
"addresses": [
  {
    "score": 0,
    "streetAddress": "string",
    "city": "string",
    "country": "string",
    "remark": "string",
    "state": "string",
    "zip": "string",
    "countryCodeIso2": "string",
    "countryCodeIso3": "string",
    "countryCodeNumber": "string"
  }
],
"identifiers": [
  {
    "idValue": "string",
    "type": "string",
    "description": "string",
    "country": "string",
    "score": 0
  }
],
"isReasonFlagHit": true,
"relationships": [
  {
    "entityNumber": 0,
    "parentEntityNumber": 0,
    "description": "string",
    "designation": "string",
    "relationshipId": 0,
    "isEx": true,
    "entityName": "string",
    "firstName": "string",
    "lastName": "string",
    "middleName": "string",
    "surName": "string",
    "titleHonorific": "string",
    "birthPlace": "string",
    "gender": "string",
    "isDeceased": true,
    "entityType": "string",
    "dateAdded": "2019-09-27T17:43:51.526Z",
    "dobs": "string"
  }
],
"media": [
  {

```

```

        "type": "string",
        "value": "string"
    }
],
"occupations": [
    {
        "title": "string",
        "type": "string",
        "sinceDate": "2019-09-27T17:43:51.526Z",
        "toDate": "2019-09-27T17:43:51.526Z",
        "category": "string"
    }
],
"profileNotes": "string",
"gender": "string",
"isDeceased": true,
"birthPlace": "string",
"dobs": [
    {
        "dob": "2019-09-27T17:43:51.526Z"
    }
],
"designations": [
    {
        "value": "string",
        "children": [
            null
        ]
    }
],
"isPublicFigure": true,
"dateAdded": 0,
"isSubsidiary": true,
"industryCodes": [
    {
        "industry": "string",
        "description": "string"
    }
],
"ownershipStakes": [
    {
        "ownershipPercentage": "string",
        "stake1": "string",
        "stake2": "string",
        "stake3": "string",
        "notes": "string",
        "sinceDate": "2019-09-27T17:43:51.526Z",
        "toDate": "2019-09-27T17:43:51.526Z"
    }
]

```

```

    ],
    "sanctionsReferences": [
      {
        "name": "string",
        "code": 0,
        "status": "string",
        "description": "string",
        "sinceDate": "2019-09-27T17:43:51.526Z",
        "toDate": "2019-09-27T17:43:51.526Z"
      }
    ],
    "countryDetails": "string"
  }
],
"countries": [
  {
    "countryId": 0,
    "countryCodeIso2": "string",
    "countryCodeIso3": "string",
    "countryCodeNumber": "string",
    "description": "string",
    "nameDetails": {
      "score": 0,
      "countryName": [
        "string"
      ]
    }
  }
]
}
],
},
"errors": [
  {
    "code": "string",
    "message": "string"
  }
]
}

```

WLS Response and parameters

Also available on our swagger resource page, <https://rcwls.csiweb.com/>, the response parameters will be listed. The JSON response will include the original request as well in it. The response also has additional parameters regarding the list fields. If a name is submitted and an alert is generated the response will reply with the List data information, entity count, and the actual entity information.

There are a few new key things to note in the response that help with tracking. Those parameters are below:

Transaction ID

Transaction ID is a CSI system generated number that is available in REST responses for the Web Services Watchlist Screening, or in the Watchdog Elite User Interface (UI). The Transaction ID is generated each time a screening occurs. Each screened item will have their own unique transaction ID to use for WLS.

Unique ID

Any name sent to WatchDog Elite does not require a unique ID however, without the unique ID or account number, it will disable a feature offered to reduce reoccurring false positives. Good Customer List (GCL) and Blocked Customer List (BCL) are enabled when a name and ID are passed through to CSI servers. When performing due diligence, the compliance member can add the name to one of those two lists. GCL is a white listing feature that will store the name as whitelisted until something has changed either from the entity side or watchlist side. BCL is a way to indicate it was a match and to notify the proper authorities. Also, BCL stores the match in case the name comes up again. The black flag notification or BCL will appear thus providing a way to prevent errors during future due diligence on the entity. Without the Unique ID this becomes unavailable.

Unique ID is also required for Customer Data Master (CDM). This is an integration offered by CSI that helps clients continuously scan their database/entities that have been submitted to CSI. To hear more about this feature, reach out to your CSI relationship manager or customersupport@csiweb.com who can help you identify who that relationship manager is.

Response Parameter Sample

```
{
  "transactionId": "string",
  "query": {
    "lastname": "string",
    "firstname": "string",
    "allentities": "string",
    "othername": "string",
    "unparsedName": "string",
```



```

    "uniqueId": "string",
    "address1": "string",
    "address2": "string",
    "state": "string",
    "city": "string",
    "postalcode": "string",
    "country": "string",
    "countryiso2": "string",
    "countryiso3": "string",
    "yearOfBirth": 0,
    "clientDefined1": "string",
    "clientDefined2": "string",
    "clientDefined3": "string",
    "ids": [
      {
        "type": "string",
        "value": "string"
      }
    ]
  },
  "settings": {
    "watchList": [
      {
        "code": "string",
        "thresholdOverride": 0,
        "searchBlockedCountry": true
      }
    ],
    "addressDisqualification": true,
    "countryDisqualification": true,
    "dobDisqualification": {
      "enabled": true,
      "range": 0
    },
    "searchAddress": true,
    "settingId": "string",
    "storeData": true,
    "threshold": 0,
    "updateMaster": true
  },
  "result": {
    "searchCriteria": [
      {
        "hitsSummary": {
          "totalHits": 0,
          "totalEntityHits": 0,
          "totalBlockedCountryHits": 0,
          "isGclMatchHit": true,
          "gclMatch": true
        }
      }
    ]
  }
}

```

```

},
"searchListInformation": {
  "listDate": "2019-09-30T11:28:26.190Z",
  "threshold": 0,
  "name": "string",
  "description": "string",
  "listCode": "string"
},
"entities": [
  {
    "entityId": 0,
    "deltaType": 0,
    "entityNumber": 0,
    "maxScore": 0,
    "isAliasHit": true,
    "isAddressHit": true,
    "score": 0,
    "lastName": "string",
    "firstName": "string",
    "isIdentifierHit": true,
    "otherName": "string",
    "wholeName": "string",
    "type": "string",
    "programs": "string",
    "remarks": "string",
    "aliases": [
      {
        "name": "string",
        "type": "string",
        "score": "string"
      }
    ],
    "addresses": [
      {
        "score": 0,
        "streetAddress": "string",
        "city": "string",
        "country": "string",
        "remark": "string",
        "state": "string",
        "zip": "string",
        "countryCodeIso2": "string",
        "countryCodeIso3": "string",
        "countryCodeNumber": "string"
      }
    ],
    "identifiers": [
      {
        "idValue": "string",

```

```

        "type": "string",
        "description": "string",
        "country": "string",
        "score": 0
    }
],
"isReasonFlagHit": true,
"relationships": [
    {
        "entityNumber": 0,
        "parentEntityNumber": 0,
        "description": "string",
        "designation": "string",
        "relationshipId": 0,
        "isEx": true,
        "entityName": "string",
        "firstName": "string",
        "lastName": "string",
        "middleName": "string",
        "surName": "string",
        "titleHonorific": "string",
        "birthPlace": "string",
        "gender": "string",
        "isDeceased": true,
        "entityType": "string",
        "dateAdded": "2019-09-30T11:28:26.190Z",
        "dobs": "string"
    }
],
"media": [
    {
        "type": "string",
        "value": "string"
    }
],
"occupations": [
    {
        "title": "string",
        "type": "string",
        "sinceDate": "2019-09-30T11:28:26.190Z",
        "toDate": "2019-09-30T11:28:26.190Z",
        "category": "string"
    }
],
"profileNotes": "string",
"gender": "string",
"isDeceased": true,
"birthPlace": "string",
"dobs": [

```

```

        {
            "dob": "2019-09-30T11:28:26.190Z"
        }
    ],
    "designations": [
        {
            "value": "string",
            "children": [
                null
            ]
        }
    ],
    "isPublicFigure": true,
    "dateAdded": 0,
    "isSubsidiary": true,
    "industryCodes": [
        {
            "industry": "string",
            "description": "string"
        }
    ],
    "ownershipStakes": [
        {
            "ownershipPercentage": "string",
            "stake1": "string",
            "stake2": "string",
            "stake3": "string",
            "notes": "string",
            "sinceDate": "2019-09-30T11:28:26.190Z",
            "toDate": "2019-09-30T11:28:26.190Z"
        }
    ],
    "sanctionsReferences": [
        {
            "name": "string",
            "code": 0,
            "status": "string",
            "description": "string",
            "sinceDate": "2019-09-30T11:28:26.190Z",
            "toDate": "2019-09-30T11:28:26.190Z"
        }
    ],
    "countryDetails": "string"
}
],
"countries": [
    {
        "countryId": 0,
        "countryCodeIso2": "string",

```

```

        "countryCodeIso3": "string",
        "countryCodeNumber": "string",
        "description": "string",
        "nameDetails": {
            "score": 0,
            "countryName": [
                "string"
            ]
        }
    }
}
]
},
"errors": [
    {
        "code": "string",
        "message": "string"
    }
]
}

```

Response Parameters Definition glossary

| Field | Response format | Description | Notes |
|--------------------------------|-----------------|---|---|
| transactionId | string | Unique Transaction ID | Numeric string returned from CSI. See information in this guide on what a transaction ID is used for. |
| result | | | |
| searchCriteria | | Node under SEARCHCRITERIA node. Contains descriptions of list | |
| hitsSummary | | | |
| totalHits | 0/1 | Number of hits (matches) for this list. | Numeric String |
| totalEntityHits | 0/1 | Number of hits (matches) for this list excluding blocked country hits | Numeric String |
| totalBlockedCountryHits | 0/1 | Number of hits (matches) for blocked country matches | Numeric String |
| isGclMatchHit | true/false | Is the entity a GCL already | |

| | | | |
|------------------------------|---|---|--|
| gclMatch | true/false | If the id attribute is specified in the request, then this attribute will be returned. False indicates that based on the id and name provided this customer is not on the Good Customer List (GCL) because either they were never added to the GCL or they are on the GCL but they are now matching on additional names on the list since they were added to the GCL. | “true” or “false” are the possible values. |
| searchListInformation | | Node under SEARCHCRITERIA node. Contains descriptions of list | |
| listDate | date [Format: 20/119-0/19-27T174351.525Z] | Date of the latest list update for specified list. | |
| threshold | 0/1 | The score at which specified watchlist was screened at. | |
| name | string | Name of the watchlist | |
| description | string | Description of the watchlist | |
| listCode | string | Code value of the list where the matching has occurred | |
| entities | | Node list under SEARCHCRITERIA node. Contains list of possible matches. | |
| entityId | 0/1 | Value from the watch list that uniquely identifies the person or entity for which there was a match. | |
| deltaType | 0/1 | Delta feature enabled | |
| entityNumber | 0/1 | Value from the watch list that uniquely identifies the person or entity for which there was a match. | |
| maxScore | 0/1 | Value that specifies the maximum match score of the entity and its corresponding aliases. | |
| isAliasHit | true/false | Element under ENTITY node. True (1) if alias values are matched to the name value. | |

| | | | |
|------------------------|-------------|--|---|
| isAddressHit | true/false | Element under ENTITY node. True (1) if alias values are matched to an address value. | |
| score | 0.00- 1.000 | Score based on match to alias name. (0.00000 if this aliases' score falls below the threshold | |
| lastName | string | Element under ENTITY node. Last name value. | |
| firstName | string | Element under ENTITY node. First name value. | |
| isIdentifierHit | true/false | Element under ENTITY node. True (1) if ID value(s) are matched to an identifier value. | |
| otherName | string | Element under ENTITY node. Other name value (business, vessel, etc.) | |
| wholeName | string | For names that are not parsed into given name | |
| type | string | Element under ENTITY node. Watch list identifier for the hit (match). Matches the watch list information described previously. | Signifies the entity type (individual, other, vessel) |
| programs | string | Element under ENTITY node. (Text identifier for a list). | For example, "Specially Designated national Terrorist".). |
| remarks | string | Element under ENTITY node. Remarks associated with the entity. | Date of Birth, place of birth and citizenship are typically found here. |
| aliases | | Node list under ENTITY node. Element under ALIASES node list. | |
| name | string | Alias name. | Alias values returned from the respective list searched |
| type | string | Alias type. | Signifies the entity type for the match (individual, other, vessel) |
| score | 0.00-1.00 | Score based on match to alias name. (0.00000 if this aliases' score falls below the threshold | Values range from 0.000 to 1.000 |
| addresses | | Node list under ENTITY node. Element under ADDRESSES node list. | |

| | | | |
|---------------------------|------------|--|---|
| score | 0.00-1.00 | Match score if searching address (searchaddress = "true" in request) | Values range from 0.000 to 1.000 |
| streetAddress | string | Street Address Value | |
| city | string | City Value | |
| country | string | Country Value | |
| remark | string | Remarks for this address | |
| state | string | State value | |
| zip | string | Postal/Zip Code value | |
| countryCodeIso2 | string | iso2 code of the blocked country | |
| countryCodeIso3 | string | iso3 code of the blocked country | |
| countryCodeNumber | string | UN number of the blocked country | |
| identifiers | | Node list under ENTITY node. | |
| idValue | string | Node list under ENTITY node. Matched id from the entity | |
| type | string | Type of identifier from the watch list index | |
| description | string | Description of the ID value | |
| country | string | Country associated with the identifier (if applicable) | |
| score | 0.00-1.00 | score based on the match of the ID | Values range from 0.000 to 1.000 |
| isReasonFlagHit | true/false | If there is a reason for the hit yes/no | |
| relationships | | RCA's on the Dow Jones Lists | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| entityNumber | 0 | Value from the watch list that uniquely identifies the person or entity for which there was a match. | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| parentEntityNumber | 0 | Entity number of the PEP the RCA is affiliated with | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| description | string | Description of the RCA | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| designation | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |

| | | | |
|-----------------------|---|---|---|
| relationshipId | 0 | Value for relationship type ID | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| isEx | true/false | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| entityName | string | RCA name that is alerting from watchlist. | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| firstName | string | Element under relationships node. Last name value. | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| lastName | string | Element under relationships node. First name value. | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| middleName | string | Element under relationships node. Middle Name value. | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| surName | string | Element under relationships node. Surname name value. | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| titleHonorific | string | Title, honorific - MS, MRS, Mr., Sir | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| birthPlace | string | Element under relationships node. birthplace value. | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| gender | string | Element under relationships node. Gender value. | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| isDeceased | true/false | Is the relationship deceased yes/ now | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| entityType | string | Type of identifier from the watch list index | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| dateAdded | date [Format: 20/119-0/19-27T174351.525Z] | date the entity was added to the list | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| dobs | string | Full date of birth on watchlist for entity the alert is matching on | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| media | | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| type | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| value | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |

| | | | |
|-----------------------|---|-------------------------------------|---|
| occupations | | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| title | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| type | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| sinceDate | date [Format: 20/119-0/19-27T174351.525Z] | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| toDate | date [Format: 20/119-0/19-27T174351.525Z] | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| category | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| profileNotes | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| gender | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| isDeceased | true/false | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| birthPlace | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| dobs | | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| dob | date [Format: 20/119-0/19-27T174351.525Z] | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| designations | | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| value | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| children | | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| isPublicFigure | true/false | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |

| | | | |
|----------------------------|---|-------------------------------------|---|
| dateAdded | 0/1 | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| isSubsidiary | true/false | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| industryCodes | | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| industry | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| description | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| ownershipStakes | | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| ownershipPercentage | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| stake1 | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| stake2 | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| stake3 | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| notes | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| sinceDate | date [Format: 20/119-0/19-27T174351.525Z] | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| toDate | date [Format: 20/119-0/19-27T174351.525Z] | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| sanctionsReferences | | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| name | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| code | 0/1 | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| status | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |

| | | | |
|--------------------------|---|--|---|
| description | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| sinceDate | date [Format: 20/119-0/19-27T174351.525Z] | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| toDate | date [Format: 20/119-0/19-27T174351.525Z] | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| countryDetails | string | [Description coming in version 2.0] | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| countries | | Country alert data | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| countryId | 0/1 | ID of the blocked country | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| countryCodeIso2 | string | iso2 code of the blocked country | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| countryCodeIso3 | string | iso3 code of the blocked country | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| countryCodeNumber | string | UN number of the blocked country | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| description | string | Description of the blocked country | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| nameDetails | | Name of the country | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| score | 0/1 | Score of the country Hit | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| countryName | string | Name of the country. | DOW JONES LISTS FIELDS N/A if not searching Dow Jones list data |
| errors | | | |
| code | string | Error code - indication of the failure. Provide to support for assistance if the reason is not enough. | |
| message | string | Reason for the Error. | |

Not offered with REST API

- AND DQ disqualification. Feature to make additional AND must include these parameters before disqualifying.
- Multi Address and Entities in 1 request.
- Country Details DQ for Dow Jones list: Not yet offered with REST.
- The ability to disable DOB Disqualification.
- The GCL tag in the response is not currently available.

[For more information regarding these missing features, please contact your relationship manager or customersupport@csiweb.com if you wish to learn more about them]

Sample Request

```
{
  "PartnerId": "{{PartnerId}}",
  "CreatedBy": "WlsRestTester",
  "Query": {
    "Lastname": "SHUAYB",
    "Firstname": "Abu",
    "Allentities": "",
    "Othername": null,
    "UnparsedName": null,
    "Uniqueld": "1234568",
    "Address1": "420 9th Ave.",
    "Address2": null,
    "State": "New York",
    "City": "New York",
    "Postalcode": "10001",
    "Country": "United States",
    "Countryiso2": null,
    "Countryiso3": null,
    "YearofBirth": null,
    "ClientDefined1": "ClientDefined1",
    "Ids": null
  },
  "Settings": {
    "CountryDisqualification": true,
    "DobDisqualification": null,
    "WatchList": [
      {
        "Code": "OFAC",
        "Thresholdoverride": 0.85,
        "SearchBlockedCountry": true
      }
    ],
    "AddressDisqualification": null,
    "SearchAddress": true,
    "SettingId": "",
    "StoreData": true,
    "Threshold": 0.85,
    "Updatemaster": true
  }
}
```

RESTfu

Sample response

```
{
  "transactionId": "101141412005",
  "query": {
    "lastname": "SHUAYB",
    "firstname": "Abu",
    "allentities": "",
    "uniqueld": "1234568",
    "address1": "420 9th Ave.",
    "state": "New York",
    "city": "New York",
    "postalcode": "10001",
    "country": "United States",
    "clientDefined1": "ClientDefined1"
  },
  "settings": {
    "watchList": [
      {
        "code": "OFAC",
        "thresholdOverride": 0.85,
        "searchBlockedCountry": true
      }
    ],
    "addressDisqualification": false,
    "countryDisqualification": true,
    "searchAddress": true,
    "settingId": "",
    "storeData": true,
    "threshold": 0.85,
    "updatemaster": true
  },
  "result": {
    "searchCriteria": [
      {
        "hitsSummary": {
          "totalHits": 1,
          "totalEntityHits": 1,
          "totalBlockedCountryHits": 0,
          "gclMatch": false
        },
        "searchListInformation": {
          "listDate": "2019-09-26T00:00:00",
          "threshold": 0.85,
          "name": "Office of Foreign Assets Control",
          "description": "2019-9-26 OFAC Source Data",
          "listCode": "OFAC"
        }
      }
    ],
    "entities": [
      {
        "entityId": 4094,
        "entityNumber": 16498,
        "maxScore": 1.0,
        ...
      }
    ]
  }
}
```

```

"score": 0.0,
"lastName": "AL-QADULI",
"firstName": "Abd Al-Rahman Muhammad Mustafa",
"isIdentifierHit": false,
"otherName": "",
"wholeName": "",
"type": "individual",
"programs": "SDGT(Specially Designated Global Terrorist)",
"remarks": "Entity Number: 16498; Sanctioned Since: 5-14-2014;
DOB 1-1-1957 to 12-31-1957; DOB 1-1-1959 to 12-31-1959; POB Mosul, Ninawa
Province, Iraq; Nationality Iraq",
"aliases": [
{
"name": "aka, AHMAD, Aliazra Ra'ad",
"type": "individual",
"score": "0.000"
},
{
"name": "aka, AL-BAYATI, Abdul Rahman Muhammad",
"type": "individual",
"score": "0.000"
},
{
"name": "aka, AL-BAYATI, Tahir Muhammad Khalil Mustafa",
"type": "individual",
"score": "0.000"
},
{
"name": "aka, MUSTAFA, Umar Muhammad Khalil",
"type": "individual",
"score": "0.000"
},
{
"name": "aka, SHAYKHLARI, 'Abd al-Rahman Muhammad
Mustafa",
"type": "individual",
"score": "0.000"
},
{
"name": "waka, ABU ALA",
"type": "individual",
"score": "0.000"
},
{
"name": "waka, ABU HASAN",
"type": "individual",
"score": "0.000"
}
]

```

```
{
  },
  {
    "name": "waka, ABU MUHAMMAD",
    "type": "individual",
    "score": "0.000"
  },
  {
    "name": "waka, ABU ZAYNA",
    "type": "individual",
    "score": "0.000"
  },
  {
    "name": "waka, ABU-SHUAYB",
    "type": "individual",
    "score": "1.000"
  },
  {
    "name": "waka, HAJI IMAN",
    "type": "individual",
    "score": "0.000"
  }
],
"addresses": [],
"identifiers": [
  {
    "idValue": "Iraq",
    "type": "Nationality",
    "country": "",
    "score": 0.000
  }
]
},
"countries": []
}
}
```

Resources

CSI Support & Integrations Team

- Customersupport@csiweb.com
- 888-849-8449 ext. 3

Postman

- <https://app.getpostman.com/app/download/win64>

Swagger

- <https://rcwls.csiweb.com/>