

# Bulk Whois API User Guide

Bulk Whois API provides Whois records for a list of Domains/IPs via a single REST API query. It is designed for server-to-server communication between your system and the WhoisXmlApi.com network using standard HTTP or HTTPS protocols. Query responses are delivered in either XML or JSON format based on your requests which are made via POST methods.

To get started you need a developer's account with WhoisXmlApi.com. Authentication is required each time in order to use the API. The first 500 Bulk Whois API calls are complimentary when you register for a free developer account.

## API Status

You can check the API's current performance and availability status on the [API Status Page](#).

## Making a Call to Bulk Whois API Web Service

Send the list of domains via a POST request to:

<https://www.whoisxmlapi.com/BulkWhoisLookup/bulkServices/bulkWhois>

Provide the JSON-encoded parameters in the request's body, setting the *Content-Type* header to *application/json*.

Server response will contain the **requestId** field which you'll need to retrieve the requested Whois records.

### Supported input parameters

Parameters	Values
domains	<b>required</b> , an array of domains for which Whois data is requested
username	<b>required</b> , your account username
password	<b>required</b> , your account password; <b>make sure it is URL-encoded if it contains special characters (&amp;, %, * etc.)</b>
outputFormat	XML   JSON (defaults to XML)

### Sample JSON request & response

<pre>{   "domains": [     "google.com",     "yahoo.com"   ],   "username": "your_username",   "password": "*****",   "outputFormat": "JSON" }</pre>	<pre>{   "noDataAvailable": false,   "message": "OK",   "messageCode": 200,   "requestId": "ece0f949-c22a-4ecc-..." }</pre>
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## Getting Whois Records

Send the request ID via POST to:

<https://www.whoisxmlapi.com/BulkWhoisLookup/bulkServices/getRecords>

Since processing all the input domains may take some time, you'll have to repeatedly query this resource until the returned **recordsLeft** field value is 0.

Set the **maxRecords** input parameter to 1 if you don't need to monitor each record's progress. Otherwise, each element of the *whoisRecords* array contains the **whoisRecordStatus** field:

- 0 - processed;
- 1/2 - incomplete/missing data;
- 3 – processing.

### Supported input parameters

Parameters	Values
requestId	<b>required</b> , bulk request identifier
maxRecords	<b>required</b> , maximum amount of Whois records to be returned
username	<b>required</b> , your account username
password	<b>required</b> , your account password; <b>make sure it is URL-encoded if it contains special characters (&amp;, %, * etc.)</b>
startIndex	the first Whois record to be returned by the server (starting from 1)
outputFormat	XML   JSON (defaults to XML)

## Sample JSON request

```
{
  "requestId": "ece0f949-c22a-4ecc-...",
  "maxRecords": 1,
  "username": "your_username",
  "password": "*****",
  "startIndex": 1,
  "outputFormat": "JSON"
}
```

## Retrieving the List of your Requests

Send a POST request to:

<https://www.whoisxmlapi.com/BulkWhoisLookup/bulkServices/getUserRequests>

## Supported input parameters

Parameters	Values
username	<b>required</b> , your account username
password	<b>required</b> , your account password; <b>make sure it is <a href="#">URL-encoded</a> if it contains special characters (&amp;, %, * etc.)</b>
outputFormat	XML   JSON (defaults to XML)

## Sample JSON response

```
{ "userRequests": [
  {
    "requestId": "f1008d3e-7774-495b-...",
    "time": 1498282373092,
    "status": "Completed",
    "totalRecords": 4
  }
]}
```

## Result CSV Download

Send a POST request to:

<https://www.whoisxmlapi.com/BulkWhoisLookup/bulkServices/download>

## Supported input parameters

Parameters	Values
requestId	<b>required</b> , bulk request identifier
username	<b>required</b> , your account username
password	<b>required</b> , your account password; <b>make sure it is <a href="#">URL-encoded</a> if it contains special characters (&amp;, %, * etc.)</b>
searchType	<i>noError</i> lets you filter out records with processing errors, no data etc. all   noError (defaults to <i>all</i> )

## Sample JSON request

```
{
  "requestId": "ece0f949-c22a-4ecc-...",
  "username": "your_username",
  "password": "*****",
  "searchType": "all"
}
```

## Authentication

Use your account's username and password to authenticate with the web service. Just pass your credentials in request body (*username, password*).

## Query Account Balance Information

In order to query your account balance, use the following URL:

<https://www.whoisxmlapi.com/accountServices.php?servicetype=accountbalance&username=x&password=x>

### Supported input parameters

Parameters	Values
servicetype	<b>required</b> , type of service; in this case, "accountBalance"
username	<b>required</b> , your account username
password	<b>required</b> , your account password; <b>make sure it is <a href="#">URL-encoded</a> if it contains special characters (&amp;, %, * etc.)</b>

## Account Balance Low or Zero Notification

When your account balance falls below certain level (default is 100, but customizable as per your need) you will receive an email alert. Another email will be sent when your account balance reaches 0.

To customize the warning level, use the URL:

[whoisxmlapi.com/accountServices.php?servicetype=accountUpdate&username=x&password=x&warn\\_threshold=30](https://www.whoisxmlapi.com/accountServices.php?servicetype=accountUpdate&username=x&password=x&warn_threshold=30)

### Supported input parameters

Parameters	Values
servicetype	<b>required</b> , type of service; in this case, "accountUpdate"
username	<b>required</b> , your account username
password	<b>required</b> , your account password; <b>make sure it is <a href="#">URL-encoded</a> if it contains special characters (&amp;, %, * etc.)</b>
warn_threshold	a positive number (defaults to 10) when your account balance reaches this value a warning email will be sent
warn_threshold_enabled	0   1 (defaults to 1) indicates whether the low balance warning notification will be sent at all
warn_empty_enabled	0   1 (defaults to 1) indicates whether the zero balance email notification will be sent to you
output_format	XML   JSON (defaults to XML)

## TLDs Supported

We support thousands of TLDs, both gTLDs and ccTLDs. You can see the entire list [here](#).

## XML Schema / Bulk Whois Query Result Documentation

You can download the following for your reference:

[sample xml result](#)

## Sample Code for Making a Query to Bulk Whois API Web Service

You may view examples of querying the API by clicking on the following links or visiting our [GitHub page](#).

- C#: [example](#), [full project](#)
- Java: [example](#), [full project](#)
- Javascript: [using the callback parameter](#)
- Node.js: [example](#)
- Perl: [example](#)
- PHP: [example](#)
- PowerShell: [example](#)
- Python: [example](#)
- Ruby: [example](#)

## Frequently Asked Questions

### How old is the Whois record returned?

The data age ranges between 0 to 24 hours. Typical data age is 0 hours (real time) since we don't get many duplicate domains from user queries in a day. We cache the Whois record for up to 24 hours. When you send us a query, we first check to see if the Whois record in cache is older than 24 hours, if it is, then we will fetch it in real time. You may also use `_hardRefresh=1` to force a real-time fetch, but this would cost **5 times the credits**.

### Why do I get inconsistent Whois record response? Sometimes registrant information shows up under WhoisRecord and sometimes it shows up under WhoisRecord→registryData.

For each domain name there are at most 2 Whois records, one from registry (e.g. Verisign) and one for registrar (e.g. Godaddy). We return the registry Whois record under *WhoisRecord→registryData* and registrar whois record under *WhoisRecord*. For most TLDs other than com/net, only registry Whois record exists.

### Are there any TLDs that you don't support?

There are some TLDs for which their registry/registrar doesn't publish Whois records. For these TLDs we only provide a simple Whois record with name server information. [Click here](#) for a list of such TLDs.

## Usage Limits & Requests Throttling

The maximum number of requests per second is 5. In case that the limit is breached (either from single IP address or from multiple IPs), you will be penalized with the 30 second ban. That ban includes IPs that were used at the time of the offence and includes all following IPs (based on username from additional requests) used during the ban time. Maximum number of domains per query is 500,000.

## Terms of Service or SLA for Using Whois API Web Service

Please click on the link to review the [Terms of Service](#).

## Sample Output (XML)

Output	Output continued
<pre> &lt;responseObject&gt;   &lt;domainList&gt;     google.com   &lt;/domainList&gt;   &lt;recordsLeft&gt;     1   &lt;/recordsLeft&gt;   &lt;recordsProcessed&gt;     1   &lt;/recordsProcessed&gt;   &lt;requestId&gt;     1f9914d5-8403-4f18-...   &lt;/requestId&gt;   &lt;totalRecords&gt;     2   &lt;/totalRecords&gt;   &lt;whoisRecords&gt;     &lt;domainName&gt;       google.com     &lt;/domainName&gt;     &lt;index&gt;       1     &lt;/index&gt;     &lt;whoisRecord&gt;       &lt;createdDate&gt;         1997-09-15T00:00:00-0700       &lt;/createdDate&gt;       &lt;administrativeContact&gt;         &lt;rawText&gt;           Admin Name: DNS Admin Admin           Organization: Google Inc.           Admin Street: 1600 Amphitheatre Parkway           Admin City: Mountain View Admin           State/Province: CA Admin Postal Code: 94043           Admin Country: US Admin Phone: +1.6506234000           Admin Fax: +1.6506188571 Admin Email:           dns-admin@google.com         &lt;/rawText&gt;         &lt;city&gt;           Mountain View         &lt;/city&gt;         &lt;country&gt;           UNITED STATES         &lt;/country&gt;         &lt;email&gt;           dns-admin@google.com         &lt;/email&gt;         &lt;fax&gt;           16506188571         &lt;/fax&gt;         &lt;name&gt;           Domain Administrator         &lt;/name&gt;         &lt;organization&gt;           Google LLC         &lt;/organization&gt;       &lt;/administrativeContact&gt;     &lt;/whoisRecord&gt;   &lt;/whoisRecords&gt; &lt;/responseObject&gt; </pre>	<pre> &lt;registrant&gt;   &lt;rawText&gt;     Registrant Name: Domain Administrator     Registrant Organization: Google LLC Registrant     Street: 1600 Amphitheatre Parkway, Registrant     City: Mountain View Registrant State/Province:     CA Registrant Postal Code: 94043 Registrant     Country: US Registrant Phone: +1.6502530000     Registrant Fax: +1.6502530001 Registrant Email:     dns-admin@google.com   &lt;/rawText&gt;   &lt;city&gt;     Mountain View   &lt;/city&gt;   &lt;country&gt;     UNITED STATES   &lt;/country&gt;   &lt;email&gt;     dns-admin@google.com   &lt;/email&gt;   &lt;fax&gt;     16506188571   &lt;/fax&gt;   &lt;name&gt;     Domain Administrator   &lt;/name&gt;   &lt;organization&gt;     Google LLC   &lt;/organization&gt;   &lt;parseCode&gt;     1   &lt;/parseCode&gt;   &lt;postalCode&gt;     94043   &lt;/postalCode&gt;   &lt;state&gt;     CA   &lt;/state&gt;   &lt;street1&gt;     1600 Amphitheatre Parkway   &lt;/street1&gt; &lt;/registrant&gt; &lt;registrarIANAID&gt;   292 &lt;/registrarIANAID&gt; &lt;expiresDate&gt;   2020-09-13T21:00:00-0700 &lt;/expiresDate&gt; &lt;id&gt;   20438517 &lt;/id&gt; &lt;/whoisRecord&gt; &lt;whoisRecordStatus&gt;   0 &lt;/whoisRecordStatus&gt; &lt;/whoisRecords&gt; &lt;/responseObject&gt; </pre>

## Sample Output (JSON)

```
{
  "noDataAvailable": false,
  "domainList": [
    "google.com"
  ],
  "requestId": "1f9914d5-8403-4f18-...",
  "whoisRecords": [
    {
      "domainName": "google.com",
      "whoisRecordStatus": 0,
      "whoisRecord": {
        "id": 20438517,
        "registrant": {
          "rawText": "Registrant Name: Domain Administrator\nRegistrant Organization: Google LLC\nRegistrant Street: 1600 Amphitheatre Parkway\nRegistrant City: Mountain View\nRegistrant State/Province: CA\nRegistrant Postal Code: 94043\nRegistrant Country: US\nRegistrant Phone: +1.6502530000\nRegistrant Fax: +1.6502530001\nRegistrant Email: dns-admin@google.com",
          "organization": "Google LLC",
          "street1": "1600 Amphitheatre Parkway",
          "city": "Mountain View",
          "state": "CA",
          "country": "UNITED STATES",
          "parseCode": 1,
          "name": "Domain Administrator",
          "telephone": "16502530000",
          "fax": "16502530001",
          "email": "dns-admin@google.com"
        },
        "administrativeContact": {
          "rawText": "Admin Name: Domain Administrator\nAdmin Organization: Google LLC\nAdmin Street: 1600 Amphitheatre Parkway\nAdmin City: Mountain View\nAdmin State/Province: CA\nAdmin Postal Code: 94043\nAdmin Country: US\nAdmin Phone: +1.6502530000\nAdmin Fax: +1.6502530001\nAdmin Email: dns-admin@google.com",
          "organization": "Google LLC",
          "street1": "1600 Amphitheatre Parkway",
          "city": "Mountain View",
          "state": "CA",
          "country": "UNITED STATES",
          "parseCode": 1,
          "name": "Domain Administrator",
          "telephone": "16502530000",
          "fax": "16502530001",
          "email": "dns-admin@google.com"
        },
        "createdDate": "1997-09-15T00:00:00-0700",
        "expiresDate": "2020-09-13T21:00:00-0700",
        "domainName": "google.com",
        "registrarIANAID": 292
      },
      "index": 1
    }
  ],
  "totalRecords": 2,
  "recordsLeft": 1,
  "recordsProcessed": 1
}
```