

## IP Lookup API

The interface is a RESTful JSON API and can be accessed in the following fashion:

**SAMPLE URL:**

<https://api.1linx.com/rest/ip/v1/ipInfo.php?clientId=abcdefgh123456789&ip=8.8.8.8&hostname=false>

Parameter	Req'd	Description
<i>clientId</i>	Y	An identifier issued by the provider to identify the user of the API
<i>ip</i>	Y	IPv4 in dotted decimal format (eg. 192.168.1.1). Note IPv6 is not supported.
<i>requestId</i>	N	Identifier passed by the client. Recommended to be unique for every request for reconciliation purposes
<i>hostname</i>	N	Boolean passed as "true" or "false" indicating whether to resolve the IP's hostname and return the 'Hostname' parameter in the response. Note that this significantly increases the response time since a DNS lookup is required so enable with caution. If the parameter is not provided, the feature is disabled by default.

### Responses

The response from this API is a JSON encoded body of the following format:

```
{
  "Response": {
    "StatusCode": 0,
    "StatusDescription": "Success",
    "IP": "8.8.8.8",
    "Hostname": "google-public-dns-a.google.com",
    "Latitude": "38",
    "Longitude": "-97",
    "Organization": "AS15169 Google Inc.",
    "Country": "US"
  }
}
```

Where:

**StatusCode** – is a numeric result code

**StatusDescription** – is a textual description of the error case

**IP** – is the IP information was requested for

**Hostname** – (Conditional) the reverse DNS hostname associated with the IP

**Latitude** – (Optional) the latitude for the estimated location for the IP. Formatted with double precision.

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- Longitude** – (Optional) the longitude for the estimated location for the IP. Formatted with double precision.
- Organization** – (Optional) Organization/ISP associated with the IP.
- City** – (Optional) location city for the IP
- Region** – (Optional) location region/state for the IP
- Country** – (Optional) location country for the IP
- PhoneAreacode** – (Optional) Dialing area code associated with the IP location
- Internal** – Either true or false indicating whether the IP is a internal IP.

Below are the currently supported StatusCode values:

<b>StatusCode</b>	<b>StatusDescription</b>
0	Success
103	Internal Error
113	Bad Parameter Missing IP
123	Bad Parameter Invalid IP
120	Bad Parameter Missing ClientId
122	Bad Parameter Invalid ClientId