

# Lookup

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## Overview

The Lookup endpoint is used to retrieve a complete address using parameters returned from an API call to another endpoint such as Autocomplete or Drilldown.

Please read [API Overview](#) first.

## API Endpoint

```
https://api.autoaddress.com/3.0/lookup
```

## Request



Please note: It is not possible to construct your own Lookup requests. Attempts to use a manually constructed Lookup request will result in a HTTP error.

## Input Fields

Name	Type	Description
token*	string	Access token from Create Token endpoint
sig*	string	Signature returned from previous API call
aa3id*	string	Autoaddress ID for the Lookup
country	string	Country to limit results to
language	string	Language to return result in

\* Required Field

The following is an example cURL Lookup call.

```
curl --location 'https://api.autoaddress.com/3.0/lookup?aa3id=AA3_ID&token=YOUR_TOKEN&sig=SIGNATURE'
```

## Response

The following is a sample JSON response returned for a Lookup API request.

```
{
  "type": "lookup",
  "message": {
    "id": 100,
    "language": "en",
    "value": "Address Found"
  },
  "address": {
    "id": "IE1900166318",
    "language": "en"
  }
}
```

```

"language": "en",
"charset": "Latn",
"lines": [
  {
    "key": "AddressLine1",
    "value": "Unit 109"
  },
  {
    "key": "AddressLine2",
    "value": "Block A, Dublin Airport Business Park, Swords Road"
  }
],
"city": {
  "value": ""
},
"region": {
  "value": "Dublin 9"
},
"postcode": {
  "value": "D09 CT96"
},
"country": {
  "language": "en",
  "value": "Ireland",
  "iso": "IE"
},
"label": [
  [
    "Unit 109"
  ],
  [
    "Block A, Dublin Airport Business Park, Swords Road"
  ],
  [
    "Dublin 9"
  ],
  [
    "D09 CT96"
  ]
],
"data": {},
"links": [
  {
    "rel": "self",
    "href": "https://api.autoaddress.com:443/3.0/lookup?aa3Id=IE1900166318_Latn_en_V&sig=c5ac4d1fcfc95ed68bad4f33af3eca5d&token=fvBby7sc9D+oGwJKa6f83sMca6oNynj2ehtH5P%2FmQpHfFpqemQ+Ge17P1Vmb0VXUauDn07Z8MjLx4%2FZBhW0wQ%3D%3D",
    "title": "self"
  },
  {
    "rel": "autoaddressformlayout",
    "href": "https://api.autoaddress.com/3.0/autoaddressformlayout?token=fvBby7sc9D%20oGwJKa6f83sMca6oNynj2ehtH5P%2FmQpHfFpqemQ%20Ge17P1Vmb0VXUauDn07Z8MjLx4%2FZBhW0wQ%3D%3D&selectedCountry=IE&selectedLanguage=en&sig=0aa0d0290b930c76556fa180f0843ade",
    "title": "autoaddressformlayout"
  }
]
}

```

## Output Fields

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

Name	Type	Description
type	string	Name of the response type
message	Message	A Message object (described below)
address	Address	An Address object (described below)
data	dynamic	Dynamic field containing customer specific data
links	Link[]	An array of Link objects (described below)

## Address Object

Name	Type	Description
id	string	Autoaddress ID of the address
language	string	Primary language for the address
charset	string	Character set the address is in
lines	Value[]	Key/value pairs for each line of the address
city	Value	Value object containing the city the address is located in
region	Value	Value object containing the region the address is located in
postcode	Value	Value object containing the post code associated with the address
country	Country	A Country object (described below)
label	string[]	An array of labels containing each part of the address

## Value Object

Name	Type	Description
key	string	Key of the object
value	string	Value of the object

## Country Object

Name	Type	Description
language	string	Primary language of the country
value	string	Name of the country
iso	string	ISO code for the country

## Message Object

Name	Type	Description
id	int	Message ID
language	string	Language of the message
value	string	Value of the message

## Link Object

Name	Type	Description
rel	string	Type of link
href	string	The hyperlink the client should follow is stored in the value of this property
title	string	Display name of the link

## Examples

## jQuery

```
var settings = {
  "url": "https://api.autoaddress.com/3.0/lookup?aa3Id=AA3_ID&token=YOUR_TOKEN&sig=SIGNATURE",
  "method": "GET",
  "timeout": 0,
};

$.ajax(settings).done(function (response) {
  console.log(response);
});
```

## Ruby

```
require "uri"
require "net/http"

url = URI("https://api.autoaddress.com/3.0/lookup?aa3Id=AA3_ID&token=YOUR_TOKEN&sig=SIGNATURE")

https = Net::HTTP.new(url.host, url.port)
https.use_ssl = true

request = Net::HTTP::Get.new(url)
request["User-Agent"] = "Ruby application"

response = https.request(request)
puts response.read_body
```

## Python

```
import requests

url = "https://api.autoaddress.com/3.0/lookup?aa3Id=AA3_ID&token=YOUR_TOKEN&sig=SIGNATURE"

payload = {}
headers = {
  'User-Agent': 'Python application'
}

response = requests.request("GET", url, headers=headers, data=payload)

print(response.text)
```

## C#

```
var client = new HttpClient();
var request = new HttpRequestMessage(HttpMethod.Get, "https://api.autoaddress.com/3.0/lookup?aa3Id=AA3_ID&token=YOUR_TOKEN&sig=SIGNATURE");
request.Headers.Add("User-Agent", ".NET application");
var response = await client.SendAsync(request);
response.EnsureSuccessStatusCode();
Console.WriteLine(await response.Content.ReadAsStringAsync());
```