

# Create Token

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## Overview

The CreateToken endpoint is used to exchange your API key for a short-lived access token. We recommend you create them on your server to grant access to API features without exposing your API key. All tokens have a limited lifetime.

Best practice is to generate an Access Token on page load to be used for that address search session only.

Please read [API Overview](#) first.

## API Endpoint

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

## Request

To create a Token, a simple `GET` request from your desired language is all that is needed.

1. The createtoken endpoint requires Basic authentication.
2. The username is your API key such as `pub_XXXXXXXX-XXXX-XXXX-XXXXXXXXXXXX`. The password is left blank.
3. This results in an Authorization header that looks like: `Authorization: Basic <Base64 encoded API Key>`

The following is an example cURL CreateToken call

```
curl 'https://api.autoaddress.com/3.0/createtoken' \ --header 'Authorization: Basic cHVhXzE5YjlmNzRmLTAxNDAtNGM5OC04ZWU4LWM0ZjBIYzE0Y2MyNzo='
```

## Response

The following is a sample JSON response returned for a Create Token API request:

```
{
  "token": "fvBby7sc9D+oGwJKa6f83sMca6oNynj2ehtH5P/mQpHfFpqemQ+Ge17P1IVmboVXz0/HGwS7KYDWvXn+qZJ1Ww==",
  "type": "Token Create",
  "transactionId": "08ef0f04-7603-4fae-aa8e-193aeb867032"
}
```

## Output Fields

Name	Type	Description
token	string	Access token that can be used to access data endpoints
type	string	Type of the response object
transactionId	string	Unique UUID identifying the request

# Examples

## jQuery

```
var settings = {
  "url": "https://api.autoaddress.com/3.0/createtoken",
  "method": "GET",
  "timeout": 0,
  "headers": {
    "Authorization": "Basic cHVixzAwMDAwMDAwLTAwMDAtMDAwMCAwMDAwMDAwMDAwMDA="
  },
};

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

## Ruby

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

url = URI("https://api.autoaddress.com/3.0/createtoken")

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

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

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

## Python

```
import requests

url = "https://api.autoaddress.com/3.0/createtoken"

payload={}
headers = {
  'Authorization': 'Basic cHVixzAwMDAwMDAwLTAwMDAtMDAwMCAwMDAwMDAwMDAwMDA=',
  '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/createtoken");
request.Headers.Add("Authorization", "Basic cHVixzAwMDAwMDAwLTAwMDAtMDAwMCAwMDAwMDAwMDAwMDA=");
request.Headers.Add("User-Agent", ".NET application");
var response = await client.SendAsync(request);
response.EnsureSuccessStatusCode();
Console.WriteLine(await response.Content.ReadAsStringAsync());
```

