

# 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 cHVhXzE5YjlmNpRmLTxNDAtNGM5OC04ZWU4LXM0ZjBIYzE0Y2MoNzo='
```

## 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 cHVixzE5YjlmNpRmLTAxNDAtNGM5OC04ZWU4LXM0ZjBIYzE0Y2MoNzo="
  },
};

$.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 cHVixzE5YjlmNpRmLTAxNDAtNGM5OC04ZWU4LXM0ZjBIYzE0Y2MoNzo="
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 cHVixzE5YjlmNpRmLTAxNDAtNGM5OC04ZWU4LXM0ZjBIYzE0Y2MoNzo=',
  '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 cHVixzE5YjlmNpRmLTAxNDAtNGM5OC04ZWU4LXM0ZjBIYzE0Y2MoNzo="
);
request.Headers.Add("User-Agent", ".NET application");
var response = await client.SendAsync(request);
response.EnsureSuccessStatusCode();
Console.WriteLine(await response.Content.ReadAsStringAsync());
```

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