

# Authentication

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## Overview

All calls to the Autoaddress 3.0 API must be authenticated.

This can be done by passing either an API key or token in a request.



A User-Agent is required in the header to ensure the call is successful.

## API Key

### Header

An API key can be included in a request header using Basic authentication.

The username is your API key such as `pub_XXXXXXXX-XXXX-XXXX-XXXXXXXXXXXX`. The password is left blank.

This results in an Authorization where `<credentials>` is `pub_XXXXXXXX-XXXX-XXXX-XXXXXXXXXXXX` Base64 encoded and a header that looks like below:

```
Authorization: Basic <credentials>
```

For example, an Autocomplete call can be made using cURL as follows:

```
curl 'https://api.autoaddress.com/3.0/autocomplete?address=dame' \ --header 'Authorization: Basic <credentials>'
```

### Query String

Alternatively, an API Key can be provided to a request in the query string using the key parameter.

For example, an Autocomplete call can be made using cURL as follows:

```
curl 'https://api.autoaddress.com/3.0/autocomplete?address=dame&key=<api-key>'
```

## Token

In order to use a token, you will first need to authenticate the session to create a token using the `CreateToken` endpoint. To call the `CreateToken` endpoint you will need to pass a valid API Key. Please see the [CreateToken](#) documentation for full details.



If your application has a back end server it is recommended that you call `createtoken` on the server and then pass the token to the client.



Please note that tokens are valid for a limited time only and attempts to use an expired token will result in a HTTP error.

## Header

A token can be included in a request header using Bearer authentication.

```
Authorization: Bearer <token>
```

For example, an Autocomplete call can be made using cURL as follows:

```
curl 'https://api.autoaddress.com/3.0/autocomplete?address=dame' \ --header 'Authorization: Bearer <token>'
```

## Query String

Alternatively, a token can be provided to a request in the query string using the key parameter.

For example, an Autocomplete call can be made using cURL as follows:

```
curl 'https://api.autoaddress.com/3.0/autocomplete?address=dame&token=<token>'
```

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