



Geocode API Reference Guide

Revision 00

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About This Guide

Introduction

This guide describes the Connectbase Application Program Interface (API) Address Geocode.

Accessing the Portal

Using any standard web browser, you can access the Connectbase API portal by entering the following URL: <https://developer.connectbase.com>.

- If this is your first time visiting the site, click **Sign up** to register as a new API user.
- If you are already a registered user, sign in using your API login and password.

Acronym List

This document uses the following acronyms.

Acronym	Description
API	Application Program Interface
HTTP	Hyper Text Transfer Protocol
JSON	JavaScript Object Notation
N/A	Not applicable
URL	Uniform Resource Locator
USPS	United States Postal Service

Related Documentation

Refer to the following documents for detailed information about each of the supported Connectbase API products:

- *Address Autocomplete API Reference Guide*
- *Address Validation API Reference Guide*
- *Advanced CPQ API Reference Guide*
- *Building Competitive Rating API Reference Guide*
- *Connectbase Developer Portal Overview Guide*
- *Connected World Availability API Reference Guide*
- *Connected World Account API Reference Guide*
- *Connected World Building API Reference Guide*
- *Connected World Building Lists API Reference Guide*
- *Connected World Contacts API Reference Guide*
- *Connected World Distributions API Reference Guide*
- *CPQ API Reference Guide*
- *CPQ Components Management API Reference Guide*
- *Demand Engine API Reference Guide*
- *International Processor API Reference Guide*
- *Locations Intelligence API Reference Guide*
- *Network Intelligence API Reference Guide*
- *Network Path API Reference Guide*
- *NNI Management API Reference Guide*
- *Rate Card Management API Reference Guide*
- *Route Management API Reference Guide*
- *Tenant API Reference Guide*

Customer Support

If you need assistance using the Connectbase APIs, please contact Customer Service by email at support@connectbase.com or by phone at (508) 202-1807 between the hours of 8:00 a.m. and 5:00 p.m. EST.

3.0 Geocode API

Geocode API

The Geocode API enables developers to pass a location in a request body and have returned the latitude and longitude of the given location. The response also indicates an accuracy rating and accuracy type.

POST Geocode address

Requirements and Special Considerations

Accuracy scores range from a confidence level of 0-1 where the higher value indicates more accurate results. Accuracy type values include the following: country, state, county, city, district, street, intersection, house number.
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Request URL

https://api.connected2fiber.com/geocode/v1/

Request headers	Characteristic	Description/Requirements
Ocp-Apim-Subscription-Key	string	The subscription key that provides access to this API, which can be found in your Profile.

Request Body Attributes	Mandatory	Values/Requirements
address	Yes	The street level address of the location.
city	Yes	The city of the location.
state	Yes	The state of the location.
country	Yes	The country of the location.

Request body
<pre>{ "address": "53 Sumner St", "city": "Milford", "state": "MA", "country": "USA" }</pre>

Success Response Example
<pre>{ "status": "success", "data": { "latitude": 42.153816, "longitude": -71.519359, "accuracy": 1, "accuracy_type": "house number" } }</pre>

Response Attributes and Data Types		
Response Attribute	Attribute Description	Data Type
latitude	The angular distance of a place north or south of the earth's equator, or of a celestial object north or south of the celestial equator, usually expressed in degrees and minutes.	string
longitude	The angular distance of a place east or west of the meridian at Greenwich, England, or west of the standard meridian of a celestial object, usually expressed in degrees and minutes.	string
accuracy	Accuracy scores range from a confidence level of 0-1 where the higher value indicates more accurate results.	int
accuracy_type	Accuracy type values include the following: country, state, county, city, district, street, intersection, house number.	string

Error Response Example
<pre>{ "status": "fail", "message": "Something went wrong, please try again later. If the problem persists, please contact support@Connectbase.com" }</pre>

Appendix A – Revision History

Revision	Date	Description
00	January 20, 2023	The information in this guide was extracted from the original “Connected World Address Processor API Reference Guide” to act as a standalone reference guide going forward.