



Address Autocomplete API Reference Guide

Revision 00

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About This Guide

Introduction

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

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 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*
- *Geocode 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.

1.0 Address Autocomplete API v2

Address Autocomplete API v2

Much like the Address Autocomplete API v1, the Address Autocomplete API v2 enables developers to search the database using a partial address. The resulting return is a list of parsed, autocompleted USPS addresses that match the search criteria provided.

Note: The v2 output returns abbreviated address components, such as pre and post direction and address suffix (i.e., Street is conformed to St.)

GET Autocomplete

Requirements and Special Considerations

While there is no minimum input required for this search, for best results Connectbase recommends that you add as much of the USPS address as possible to limit the number of responses returned. The appropriate subscription is required.

Request URL

<code>https://api.connected2fiber.com/address-autocomplete/v2/{address}</code>
--

Request parameters	Characteristic	Description/Requirements
search	string	Enter the partial address for which you want to retrieve full USPS address information. For best results, enter as much of the address information as you know, such as street, city, state, etc.

Request parameters	Characteristic	Description/Requirements
limit (optional, default 10)	integer	Limits the total number of returned addresses matching the search criteria. Range: 1-10
preferred_states (optional)	string	2-character state code, allowing multiple values separated by a semi colon. This parameter is used to narrow the scope of results to preferred states.
preferred_cities (optional)	string	City names, allowing multiple values separated by a semi colon. This parameter is used to narrow the scope of results to preferred cities.

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.

Success Response Example
<pre>{ "status": "success", "inputAddress": "53 Sumner Street", "data": [{ "address": "53 Sumner St", "city": "Akron", "state": "OH", "country": "USA" }, { "address": "53 Sumner St", "city": "Auburn", "state": "MA", "country": "USA" }, { "address": "53 Sumner St",</pre>

```

    "city": "Accord",
    "state": "MA",
    "country": "USA"
  }, {
    "address": "53 Sumner St",
    "city": "Allston",
    "state": "MA",
    "country": "USA"
  }, {
    "address": "53 N Sumner St",
    "city": "Steptoe",
    "state": "WA",
    "country": "USA"
  }, {
    "address": "53 Sumner Rd",
    "city": "Stamford",
    "state": "VT",
    "country": "USA"
  }, {
    "address": "53 W Sumner St",
    "city": "Ancona",
    "state": "IL",
    "country": "USA"
  }
}]
}

```

Response Attributes and Data Types		
Response Attribute	Attribute Description	Data Type
address	The street address for the location.	string
city	The city in which the location resides.	string
state	The state in which the location resides.	string
zipcode	The zip code in which the location resides.	int
country	The country in which the location resides.	string

Error Response Example

```
{"status": 200,  
  "result": "Not Found",  
  "inputAddress": "xxxxx",  
  "message": "Address Not Valid."}
```

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.