Connected World Building Lists API Reference Guide

Revision 00

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About This Guide

This guide describes the Connectbase Application Program Interface (API) Connected World Building Lists APIs.

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.

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 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*

Acronym List

This document uses the following acronyms.

Acronym	Description
API	Application Program Interface
CPQ	Configure, Price, Quote
HTTP	Hyper Text Transfer Protocol
JSON	JavaScript Object Notation
N/A	Not applicable
URL	Uniform Resource Locator
USPS	United States Postal Service
WISP	Wireless Internet Service Provider

Customer Support

If you need assistance using the 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 Connected World Building Lists APIs

Connected World Building List APIs

The following APIs enable you to retrieve building list data. These APIs include the following:

- GET Get Building Lists
- GET Get Buildings from Building Lists

Get Building Lists

Issue this command to return list of subscribed building lists for the user account of the subscription key.

Requirements and Special Considerations
This API call requires the company id and the appropriate subscription key. Other request parameters are optional, but they enable you to refine or limit your search criteria.

Request URL
https://api.connected2fiber.com/v1/buildinglists/subscribed[?companyId][&page][&size][&query_term][&sort_by][&order_by]

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 parameters	Characteristic	Description/Requirements
companyId	number	Company identifier
page (optional)	number	Page number to return results. By default, start with first page value as 1.
size (optional)	number	Number of buildings returned per page. The default is 10.
query_term (optional)	string	Search by list name
sort_by (optional)	string	Sort by field. The default sort is by list modified date, in descending order
order_by (optional)	string	Either “descending” or “ascending” order. The default is descending order.

Success Response Example


```
{
  "total": 2,
  "page": 1,
  "results": [{
    "id": 4719,
    "listname": "OnNet Fiber in MA",
    "type": 1,
    "category": null,
    "createdby": 7905,
    "createddate": 1568315503000,
    "modifiedby": 7905,
    "modifieddate": 1568387377000,
```

```
    "isStatic": false,
    "isAll": false,
    "address": "",
    "cityList": [],
    "stateIDList": ["24"],
    "stateNameList": ["Massachusetts"],
    "stateList": [{
      "id": 24,
      "text": "Massachusetts"
    }],
    "countryIDList": [],
    "countryNameList": [],
    "countryList": [],
    "zip": "",
    "categoryIDs": [],
    "categoryNames": [],
    "fiberStatusIDs": ["1"],
    "fiberStatusNames": ["Connected"],
    "connectionStatusIds": ["1"],
    "connectionStatusNames": ["OnNet"],
    "categoryList": null,
    "latitude": "",
    "longitude": "",
    "isDefault": false,
    "isActive": true,
    "configuration": "BA - Connected; OnNet; Fiber;  GA - Massachusetts",
    "updatedUserName": "Customer Support",
```

```
    "routeId": null,
    "routeName": null,
    "route": null,
    "distanceBandValueList": [],
    "zoningName": [""],
    "accessMediumIds": ["1"],
    "accessMediumNames": ["Fiber"],
    "providerList": [],
    "providerIds": [],
    "providerNames": [],
    "customFieldValues": {}
  }, {
    "id": 4721,
    "listname": "Static List",
    "type": 1,
    "category": null,
    "createdby": 7905,
    "createddate": 1568373546000,
    "modifiedby": 7905,
    "modifieddate": 1568387377000,
    "isStatic": true,
    "isAll": false,
    "address": null,
    "cityList": [],
    "stateIDList": [],
    "stateNameList": [],
    "stateList": [],
```

```
    "countryIDList": [],
    "countryNameList": [],
    "countryList": [],
    "zip": null,
    "categoryIDs": [],
    "categoryNames": [],
    "fiberStatusIDs": [],
    "fiberStatusNames": [],
    "connectionStatusIds": [],
    "connectionStatusNames": [],
    "categoryList": null,
    "latitude": null,
    "longitude": null,
    "isDefault": false,
    "isActive": true,
    "configuration": "Static List",
    "updatedUserName": "Customer Support",
    "routeId": null,
    "routeName": null,
    "route": null,
    "distanceBandValueList": [],
    "zoningName": null,
    "accessMediumIds": [],
    "accessMediumNames": [],
    "providerList": [],
    "providerIds": [],
    "providerNames": [],
```

```
    "customFieldValues": {}

  }]

}
```

Response Attributes and Data Types		
Response Attribute	**Attribute Description**	**Data Type**
total	The total number of pages in the building list.	int
page	The page number when more than one page of data is returned.	int
results	object wrapper	array
id	System generated identifier for the building list distribution.	int
listname	The name assigned to the distribution list.	string
type		int
category		string
createdby	The user id of the user who created the building list.	int
createddate	The creation date of the building list.	int
modifiedby	The user id of the user who last modified the building list.	int
modifieddate	The date in which the building list was last updated.	int
isStatic	Indicates if the distribution report is static (true/false)	boolean
isAll		boolean
address	The street address of the building	string

Response Attributes and Data Types		
Response Attribute	**Attribute Description**	**Data Type**
cityList	array wrapper	array
stateIDList	array wrapper	array
stateNameList		array
stateList	array wrapper	array
id	Internal Id used to identify the state, such as 24	int
text	The name of the state identified by the id field, such as Massachusetts.	string
countryIDList	The internal id used to identify the country.	array
countryNameList		array
countryList	array wrapper	array
zip	The postal code of the building location.	string
categoryIDs		array
categoryNames	The name used to describe the building category, such as Commercial, Residential, etc.	array
fiberStatusIDs	The internal Id used to indicate the network connection status, such as 1 = Connected, for example.	array
fiberStatusNames	Identifies the network connection status name, such as Connected, for example.	array
connectionStatusIDs	The internal Id used to indicate the building connection status, such as 1 = OnNet, for example.	array

Response Attributes and Data Types		
Response Attribute	**Attribute Description**	**Data Type**
connectionStatusNames	Indicates the building connection status of the building, such as OnNet, for example	array
categoryList	Identifies the list of building categories when the building record contains more than one category.	array
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
isDefault	true/false	boolean
isActive	true/false	boolean
configuration		string
updatedUserName		string
routeId	A user defined id to uniquely identify a fiber route.	int
routeName	The name assigned to a route at the time it was added to the customer instance.	string
route		string
distanceBandValueList		array
zoningName		string

Response Attributes and Data Types		
Response Attribute	**Attribute Description**	**Data Type**
accessMediumIds	The internal ID used to identify the access medium, such as 1 = Fiber.	array
accessMediumNames	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless - Satellite • Other	array
providerList	Object header	array
providerIds	Ids associated with the providers	array
providerNames	The names of the providers within the provider list.	array
customFieldValues	Where applicable, any custom fields that have been added to the instance for building lists.	object

Error Response Example

<pre>{
 	
"statusCode": 401,
 	
"message": "Access denied due to invalid input. Please ensure that the subscription key and companyId are accurate."
 	
}</pre>

Get Buildings from Building Lists

Issue this call to return the buildings within the building list for a specified company id and building list id, in JSON array format.

Requirements and Special Considerations
This API requires the Building list ID, company Id and subscription key. Other request parameters are optional, but they enable you to refine or limit your search criteria.

Request URL
https://api.connected2fiber.com/v1/buildinglists/{list_id}[?companyId][&page][&size][&query_term][&sort_by][&order_by]

Request parameters	Characteristic	Description/Requirements
list_id	string	Building list ID
companyId	number	Company Identifier
page (optional)	number	Page number to return results. By default, start with first page value as 1.
size (optional)	number	Number of buildings returned per page. The default is 100.
query_term (optional)	string	Search by building name, street, state, city and country

Request parameters	Characteristic	Description/Requirements
sort_by (optional)	string	Sort by field. The default sort is by building modified date, in descending order
order_by (optional)	string	Either “descending” or “ascending” order. The default is descending order.

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.

Notes: Although the list has 39 buildings, this example has been limited to return 1 result.

The level3PricingZone is equivalent to CenturyLink in the user interface and uniqueKey is equivalent to either the Connectbase-assigned Building # or Building Key in the user interface.

Success Response Example


```
{
  "total": 39,
  "page": 1,
  "results": [{
    "buildingname": "South Shore Plaza",
    "street": "250 Granite St",
    "country": "United States",
    "state": "Massachusetts",
    "city": "Braintree",
```

```
    "postal": "02184",
    "msaname": "BOSTON-WORCESTER-PROVIDENCE, MA-RI-NH-CT",
    "latitude": "42.220902",
    "longitude": "-71.02352",
    "primaryNumber": "250",
    "streetName": "Granite",
    "streetSuffix": "St",
    "plus4Code": "2804",
    "comcastPricingZone": "456",
    "indatelPricingZone": "123",
    "level3PricingZone": "123",
    "sprintPricingZone": "123",
    "verizonPricingZone": "123",
    "attPricingZone": "123",
    "buildingCategory": ["Commercial Building"],
    "networkBuildStatus": "Connected",
    "buildingConnectionStatus": "OnNet",
    "cllicode": "BRNTMAWADS0",
    "lata": "128",
    "accessMediums": ["Fiber"],
    "elevation": 0.0,
    "npa": "781",
    "nxx": "348",
    "npanxx": "781-348",
    "uniqueKey": "EL00-123-cce20cdf"
    }]
}
```

Response Attributes and Data Types		
Response Attribute	**Attribute Description**	**Data Type**
total	The total number of pages in the building list.	int
page	The page number when more than one page of data is returned.	int
results	object wrapper	array
buildingname	The address of the building.	string
street	The street on which the building resides.	string
city	The city in which the building resides.	string
state	The state in which the building resides.	string
postal_code	The zip code in which the building resides.	string
country	The country in which the building resides.	string
msaname	The name given to a metropolitan service area.	string
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
primary_number	The primary number for the location address, such as **134** Flanders Road.	int

Response Attributes and Data Types		
Response Attribute	**Attribute Description**	**Data Type**
street_name	The name of the street	string
street_suffix	Identifies the type of roadway in abbreviated format, such as St., Blvd., etc.	string
plus4_code	US format: zip code plus four, for example 12345-6789	int
buildingCategory	The type of building, for example, Commercial, Residential, etc.	array
networkBuildStatus	A metric to identify the build status of a carrier's network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	string
buildingConnectionStatus	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values: • Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	string
cllicode	Common Language Information Services Identifier (CLLI), used to identify the building location. Network Site codes are typically used to identify building locations, specific to an address.	string

Response Attributes and Data Types		
Response Attribute	**Attribute Description**	**Data Type**
	First four characters represent a geographical code, the fifth and sixth characters represent a geopolitical code. The remaining two characters are uniquely assigned by iconectiv® to identify the building location.	
lata	Local Access Transport Area. A term used in U.S. telecommunications regulation for the provision and administration of telecommunications services in the U.S.	string
accessMediums	The medium used for connectivity to the building or specified location. • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other	array
c2fbuildingnumber	The Connectbase building number.	string
elevation	The terrain elevation.	float
npa	Numbering Plan Areas, each identified by a three-digit NPA code, commonly called an area code. NPAs represent an aggregation of exchange areas for which the given code is applicable. These Code/Exchange area relationships are assigned by the North American Numbering Plan Administration (NANPA) and published in the Local Exchange Routing Guide (LERG)	string

Response Attributes and Data Types		
Response Attribute	**Attribute Description**	**Data Type**
	database published monthly by 'iconectiv'.	
nxx	Area Code/Prefix (NPA/NXX) Assignment. Valid Prefixes per NPA are published according to exchange switch specifications published in the LERG. A subset of NPA/NXX combinations are serviced by the incumbent Local Exchange Carriers (ILECS) operating Serving Wire Centers.	string
npanxx	Combination of the Numbering Plan Area (NPA) and Area Code/Prefix (NXX). See NPA and NXX for details.	string
uniqueKey (Connectbase #, Connectbase Building Key)	A unique Connectbase-assigned key to identify the building	string
global_location_id	Connectbase's proprietary ID system that provides a unique identification code for every location within the seven continents.	string
customField	Object wrapper	object
field_name_x	The name of the customer defined field	string
serviceSpeedList	Object wrapper	array
serviceName	The name of the product or service	string
speedName	The speed offered for the product or service.	string
buildingSpeedOption		string

Response Attributes and Data Types		
Response Attribute	**Attribute Description**	**Data Type**
buildingMrc_(12M, 24M, 36M, 48M, 60M, 84M, 120M, 240M)	Monthly recurring cost.	string
buildingNrc_(12M, 24M, 36M, 48M, 60M, 84M, 120M, 240M)	Non-recurring cost.	string
pricingChannel	• Default = 1 • Wholesale =2 • Enterprise = 3 • Channel = 4	string
networkConnectionStatus	A metric used to identify the connectivity status of fiber-connected buildings. Range of valid values: • Near Net • OffNet • On Net–Limited Access • OnNet • Prospect	string
buildingConnectionStatus	A metric to identify the build status of a carrier's network in a building. • Connected • In Progress • Not Connected • Planned • Prospect	string
mediaType	same as accessMediums	string

Error Response Example

{
 	
"statusCode": 404,
 	
"message": "The List ID '1234' was not found for account 'support@connectbase.com' in company 'Blue Ocean Communications'"
 	
}

Appendix A – Revision History

Revision	Date	Description
00	January 19, 2023	The information in this guide was extracted from the original “Connected World Building – Silver API Reference Guide” to act as a standalone reference guide going forward.