



NNI Management API Reference Guide

Revision 02

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About this guide

Introduction

This document describes the NNI Management 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 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*
- *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

Contact Customer Support

If you require technical assistance or wish to report an issue to the Connectbase Support team, please log into the Connectbase Customer Support portal at <https://support.connectbase.com> and log a ticket.

For other general information, you can contact Customer Support 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.

About NNI Management APIs

This section describes the following NNI Management APIs:

- *POST Batch save or update NNI locations*
- *POST Create NNI geography rule*
- *POST Create NNI location*
- *POST Delete NNI location*
- *GET NNI geography rules*
- *GET NNI location prices*
- *GET NNI locations*
- *GET NNI options*

NNI Management APIs

POST Batch save or update NNI locations

Use this API to save or update NNI locations for a specified company instance.

Requirements and Special Considerations

companyId is a required request parameter.

Request URL

https://api.connected2fiber.com/api/v1/nni-management/api/v1/ nni_locations/list/save?companyId={companyId}

Request parameters	Characteristic	Description/Requirements
companyId	int	The system generated company instance identifier.

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.

POST Batch save or update NNI locations Request body

```
[
  {
    "nniLocationId": 741,
    "supplier": "SPECTRA ACCESS INC",
    "address": "Brooklyn",
    "city": {
      "id": 3851,
      "text": "Brooklyn"
    },
    "state": {
      "id": 35,
      "text": "New York",
      "code": "NY"
    },
    "country": {
      "id": 223,
      "text": "United States",
      "code": "USA"
    },
    "addressKey": " BROOKLYN|BROOKLYN|NY|USA",
    "zipcode": "11201",
    "latitude": "40.69374",
    "longitude": "-73.99058",
    "companyId": 187,
    "createdDate": 1650638349277.0,
    "modifiedDate": 1650638349277.0,
    "locationPoint": {
      "lat": 40.69374,
      "lon": -73.99058
    },
    "isdefault": false,
  }
]
```

POST Batch save or update NNI locations Request body

```
"customerNniIdentifier": "VAT12345",
"deleted": false,
"nniLocationPrices": [
  {
    "customerNniIdentifier": "VAT12345",
    "productId": 1,
    "accessMediumId": 3,
    "mrcPrice": 23,
    "nrcPrice": 24,
    "mrcCost": null,
    "nrcCost": null
  }
],
"row": 2,
"validate": false
}
```

POST Batch save or update NNI locations Success Response Example

```
true
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
true	Saved/NNI locations updated	string
false	Not saved; NNI locations not updated	string

POST Batch save or update NNI location Error Response Example

```
{
  "code": 400,
  "message": "Row 2 already exists",
  "hasError": true,
  "detailMessage": null
}
```

POST Create NNI geography rule

Use this API to create an NNI geography rule for a specific company.

Requirements and Special Considerations

companyId is a required request parameter

Request URL

```
https://api.connected2fiber.com/api/v1/nni-management/api/v1/nni/187/ geography?
companyId={companyId}
```

Request parameters	Characteristic	Description/Requirements
companyId	int	The system generated company instance identifier.

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.

POST Create NNI geography rule Request body

```
{
  "geographies": [
    {
      "geographyValues": [
        "New York,NY,USA"
      ],
      "ruleName": "20",
      "pricingGeographyRef": {
        "geographyId": 2,
        "geographyName": "City",
        "order": "3"
      },
      "ruleOrder": 5,
      "nniLocationId": 715,
      "selectedByDistance": true
    },
    {
      "ruleName": "1",
      "pricingGeographyRef": {
        "geographyId": 1,
        "geographyName": "State",
        "order": "2"
      },
      "geographyValues": [
        "VA,USA"
      ],
      "createdAccountId": 5362,
      "createdDate": 1648033686000.0,
      "customZone": null,
      "ruleOrder": 1,
      "nniLocationId": 611,
      "companySpatialBoundaryId": null,
      "fileStoreId": null,
      "spatialBoundaryId": null,
      "boundaryStatus": null,
      "boundaryMessage": null,
      "selectedByDistance": false,
      "buildingRequired": true,
      "nniGeographyRuleId": 80
    },
    {
      "ruleName": "2",
      "pricingGeographyRef": {
        "geographyId": 1,
        "geographyName": "State",
        "order": "2"
      },
      "geographyValues": [
        "MA,USA"
      ],
      "createdAccountId": 7410,
      "createdDate": 1648591293000.0,
      "customZone": null,
      "ruleOrder": 2,
      "nniLocationId": 611,
      "companySpatialBoundaryId": null,
      "fileStoreId": null,
      "spatialBoundaryId": null,
      "boundaryStatus": null,
    }
  ]
}
```

POST Create NNI geography rule Request body

```
"boundaryMessage": null,
"selectedByDistance": false,
"buildingRequired": true,
"nniGeographyRuleId": 86
},
{
  "ruleName": "3",
  "pricingGeographyRef": {
    "geographyId": 5,
    "geographyName": "Country",
    "order": "1"
  },
  "geographyValues": [
    "USA"
  ],
  "createdAccountId": 5362,
  "createdDate": 1650457546000.0,
  "customZone": null,
  "ruleOrder": 3,
  "nniLocationId": 716,
  "companySpatialBoundaryId": null,
  "fileStoreId": null,
  "spatialBoundaryId": null,
  "boundaryStatus": null,
  "boundaryMessage": null,
  "selectedByDistance": false,
  "buildingRequired": true,
  "nniGeographyRuleId": 91
},
{
  "ruleName": "345",
  "pricingGeographyRef": {
    "geographyId": 5,
    "geographyName": "Country",
    "order": "1"
  },
  "geographyValues": [
    "AUS"
  ],
  "createdAccountId": 6596,
  "createdDate": 1650629315000.0,
  "customZone": null,
  "ruleOrder": 4,
  "nniLocationId": 332,
  "companySpatialBoundaryId": null,
  "fileStoreId": null,
  "spatialBoundaryId": null,
  "boundaryStatus": null,
  "boundaryMessage": null,
  "selectedByDistance": true,
  "buildingRequired": true,
  "nniGeographyRuleId": 92
}
]
}
```

POST Create NNI geography rule Success Response Example

```
[
  {
    "ruleName": "20",
    "pricingGeographyRef": {
      "geographyId": 2,
      "geographyName": "City",
      "order": "2"
    },
  },
]
```

POST Create NNI geography rule Success Response Example

```
"geographyValues": [
  "New York,NY,USA"
],
"createdAccountId": 13852,
"createdDate": 1652881308474,
"customZone": null,
"ruleOrder": 5,
"nniLocationId": 4909,
"companySpatialBoundaryId": null,
"fileStoreId": null,
"spatialBoundaryId": null,
"boundaryStatus": null,
"boundaryMessage": null,
"selectedByDistance": true,
"buildingRequired": true,
"nniGeographyRuleId": 26969
}
]
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
ruleName	The name given to uniquely identify the geography rule at the time of creation.	string
pricingGeographyRef	object header	object
geographyId	A unique numeric Id used to identify the geography.	int
geographyName	The name given to identify the geography.	string
ruleOrder	Priority – identifies the order in which geographies are processed.	string
geographyValues	Identifies the specific values associated with the given Geography Type. For example, Geography Type = State; Geography Values = MD, USA	object array
createdAccountId	Identifies the creator's user account Id	int
createdDate	The account creation date.	int
customZone	The name given to a custom geography (optional).	string
ruleOrder	Identifies the order in which geography rules are processed.	int
nniLocationId	The NNI location Id to which this rule is associated. If not present, location will be created.	int
companySpatialBoundaryId	Id of spatial boundary connected to this rule (optional)	int
fileStoreId	The Id of the spatial boundary, if uploaded (optional).	
spatialBoundaryId	Spatial boundary identifier.	int
boundaryStatus	Optional, status related to the spatial boundary, where applicable.	string

Response Attribute	Attribute Description	Data Type
boundaryMessage	Optional, message/note related to the spatial boundary, where applicable.	string
selectedByDistance	True/False. When true, the system calculates which NNI to use based on the nearest distance for the defined geography.	boolean
buildingRequired	Indicates if this rule requires existing building to be applied.	boolean
ruleName	A unique name given to identify the rule.	string
ruleOrder	The priority number for applying the rule.	int
nniGeographyRuleId	The Id used to identify the rule.	int

POST Create NNI geography rule Error Response Example

```
{
  "statusCode": 417,
  "message": "Cannot deserialize instance of `java.util.Date` out of VALUE_NUMBER_FLOAT token\n at [Source:
  {\"geographyId\":2,\"geographyName\": \"City\", \"order\": \"3\"}, \"ruleOrder\":5, \"nniLocationId\":715, \"selec
  {\"geographyId\":1,\"geographyName\": \"State\", \"order\": \"2\"}, \"geographyValues\":
  [\"VA,USA\"], \"createdAccountId\":5362, \"createdDate\":1.648033686E12, \"customZone\":null, \"ruleOrder\":1, \
  1383 chars]; line: 1, column: 352] (through reference chain: java.util.ArrayList[1]->com.fiber.companypricin
  }
```

POST Create NNI location

Use this API to create an NNI location record in a specific company instance.

Requirements and Special Considerations

companyId is a required request parameter.

Request URL

https://api.connected2fiber.com/api/v1/nni-management/api/v1/nni_location/add?companyId={companyId}

Request parameters	Characteristic	Description/Requirements
companyId	int	The system generated company instance identifier.

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.

POST Create NNI location Request body

```
{
  "supplier": "Pineville Telephone Company",
  "address": "Avenue New York",
  "state": {
```

POST Create NNI location Request body

```
"id": 20,
"text": "Kentucky",
"code": "KY"
},
"country": {
  "id": 223,
  "text": "United States",
  "code": "USA"
},
"city": {
  "id": 2580,
  "text": "Bethany"
},
"latitude": "47.0967",
"longitude": "47.0967",
"zipcode": "234563",
"customerNniIdentifier": "VAT12345"
}
```

POST Create NNI location Success Response Example

```
{
  "nniLocationId": 4909,
  "supplier": "VERIZON",
  "address": "Avenue New York",
  "city": {
    "id": 2580,
    "text": "Bethany"
  },
  "state": {
    "id": 20,
    "text": "Kentucky",
    "code": "KY"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": " AVENUE NEW YORK|CAMPTON|KY|USA",
  "zipcode": "234563",
  "latitude": "47.0967",
  "longitude": "47.0967",
  "companyId": 193,
  "createdDate": 1652880904092,
  "modifiedDate": 1652880904092,
  "locationPoint": {
    "lat": 47.0967,
    "lon": 47.0967
  },
  "isdefault": false,
  "customerNniIdentifier": "121",
  "deleted": false
}
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
nniLocationId	A unique Id used to identify the NNI Location.	int
supplier	The name of the supplier	string
address	The street address of the building	string

Response Attribute	Attribute Description	Data Type
city	The name of the city where the building or specified location resides.	object
id	The unique Connectbase Id that is assigned to the company instance.	int
text	The name of the state identified by the id field, such as Massachusetts.	string
state	The state in which the building resides.	object
code	Abbreviation, such as NY.	string
country	The country in which the location resides.	object
addressKey	The full address, such as street, city, state, country.	string
zipcode	The zip code in which the location resides.	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
companyId	The Connectbase generated company Id	int
createdDate	The date in which the account was created.	int
modifiedDate	The date in which the building list was last updated.	int
locationPoint	object header	object
lat	latitude	string
lon	longitude	string
isdefault	true/false	boolean
customerNniIdentifier	Customer provided NNI identifier	string
deleted	true/false	boolean

POST Create NNI location Error Response Example

```

{
  "code": 400,
  "message": "NNI Location already exists.",
  "hasError": true,
  "detailMessage": null
}

```

POST Delete NNI location

Use this API to delete an existing NNI location from a specific company instance.

Requirements and Special Considerations

companyId is a required request parameter.

Request URL

```
https://api.connected2fiber.com/api/v1/nni-management/api/v1/nni_locations/list/delete?companyId={companyId}
```

Request parameters	Characteristic	Description/Requirements
companyId	int	The system generated company instance identifier.

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.

POST Delete NNI location Request body

```
{
  "id": "741"
}
```

POST Delete NNI location Success Response Example

```
{
  "IsDeleted": true,
  "isDone": false
}
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
isDeleted	true/false	boolean
isDone	true/false	boolean

POST Delete NNI location Error Response Example

```
{
  "code": 500,
  "message": "The Locations 4909 have been deleted already",
  "hasError": true,
  "detailMessage": null
}
```

GET NNI geography rules

Use this API to retrieve existing geography rules for a given company instance.

Requirements and Special Considerations

companyId is a required request parameter.

Request URL

https://api.connected2fiber.com/api/v1/nni-management/api/v1/companies/{companyId}/geographies

Request parameters	Characteristic	Description/Requirements
companyId	int	The system generated company instance identifier.

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.

GET NNI geography rules Success Response Example

```
200 OK
[
  {
    "ruleName": "1",
    "pricingGeographyRef": {
      "geographyId": 5,
      "geographyName": "Country",
      "order": "1"
    },
    "geographyValues": [
      "USA"
    ],
    "createdAccountId": 5362,
    "createdDate": 1648234517000.0,
    "ruleOrder": 1,
    "customZone": null,
    "companySpatialBoundaryId": null,
    "fileStoreId": null,
    "spatialBoundaryId": null,
    "boundaryStatus": null,
    "boundaryMessage": null,
    "buildingRequired": false,
    "deletePricing": false,
    "nniLocationId": null,
    "companyGeographyRuleId": 813
  },
  {
    "ruleName": "USA2",
    "pricingGeographyRef": {
      "geographyId": 1,
      "geographyName": "State",
      "order": "2"
    },
    "geographyValues": [
      "UT,USA"
    ],
    "createdAccountId": 7410,
```


GET NNI geography rules Success Response Example

```
"createdDate": 1648591920000.0,  
"ruleOrder": 2,  
"customZone": null,  
"companySpatialBoundaryId": null,  
"fileStoreId": null,  
"spatialBoundaryId": null,  
"boundaryStatus": null,  
"boundaryMessage": null,  
"buildingRequired": false,  
"deletePricing": false,  
"nniLocationId": null,  
"companyGeographyRuleId": 824  
}  
]
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
ruleName	A unique name given to identify the Rule.	string
pricingGeographyRef	The Pricing geography supported by the system, which is identified by the Geography name (eg, country, city, state)	object
geographyId	A unique Id given to identify the geography	int
geographyName	The name given to identify the geography	string
ruleOrder	Priority – identifies the order in which geographies are processed.	string
geographyValues	Geography values for identifying if a rule can be applied.	string array
createdAccountId	User account Id of the user who created the rule.	int
createdDate	Date of rule creation	date
customZone	Indicates if a custom zone was created for this rule, optional.	int
ruleOrder	Identifies the order in which geography rules are processed.	int
companySpatialBoundaryId	Id of spatial boundary connected to this rule (optional)	int
fileStoreId	The Id of the spatial boundary, if uploaded (optional).	int
spatialBoundaryId	Spatial boundary identifier.	int
boundaryStatus	Optional, status related to the spatial boundary, where applicable.	string
boundaryMessage	Optional, message/note related to the spatial boundary, where applicable.	string
buildingRequired	Indicates if this rule requires existing building to be applied.	boolean
deletePricing	true/false	boolean
nniLocationId	The NNI location Id to which this rule is associated. If not present, location will be created.	int

Response Attribute	Attribute Description	Data Type
companyGeographyRuleId	A unique Id given to identify the company geography rule	Int

GET NNI geography rules Error Response Example

```
{
  "status_code": 401,
  "message": "Unauthorized User, Invalid Access Token"
}
```

GET NNI location prices

Use this API to retrieve NNI location prices for a configured NNI within a specified company instance.

Requirements and Special Considerations

nnild and companyId are required request parameters.

Request URL

https://api.connected2fiber.com/api/v1/nni-management/api/v1/nni-location/{nnild}/prices?companyId={companyId}

Request parameters	Characteristic	Description/Requirements
nnild	int	
companyId	int	The system generated company instance identifier.

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.

GET NNI location prices Success Response Example

```
[
  {
    "pricingId": 96,
    "nniId": 716,
    "productName": "Ethernet - Dedicated",
    "productId": 11,
    "accessMediumType": "Fiber",
    "accessMediumId": 1,
    "mrcPrice": 333,
    "nrcPrice": 333,
    "mrcCost": 333,
    "nrcCost": 333
  }
]
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
pricingId	Primary identifier of the price.	int
nnild	Id of the NNI location that the pricing is associated with.	int
productName	The Connectbase product name	string
productid	The Connectbase product identifier.	int
accessMediumType	The medium used for connectivity to the building or specified location. <ul style="list-style-type: none"> • Coax/HFC • Copper • Fiber • Wireless – Fixed • Wireless – Mobile • Wireless – Satellite • Other 	string
accessMediumId	The Connectbase access medium identifier.	int
mrcPrice	Monthly recurring price, indicated in \$	int
nrcPrice	Non-recurring price, indicated in \$	int
mrcCost	Monthly recurring cost, indicated in \$	int
nrcCost	Non-recurring cost, indicated in \$	int

GET NNI location prices Error Response Example

[]

GET NNI locations

Use this API to retrieve NNI locations for a specified company instance.

Requirements and Special Considerations

companyId is a required request parameter.

Request URL

https://api.connected2fiber.com/api/v1/nni-management/api/v1/nni_locations?companyId={companyId}

Request parameters	Characteristic	Description/Requirements
companyId	int	The system generated company instance identifier.

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.

GET NNI locations Request body

```
{
  "start": 1,
  "pageSize": 25,
  "filters": {},
  "searchterm": "",
  "listid": 0
}
```

GET NNI locations Success Response Example

```
{
  "content": [
    {
      "nniLocationId": 737,
      "supplier": "AT&T",
      "address": "56 QWERTY Street",
      "city": {
        "id": 3290,
        "text": "Boston"
      },
      "state": {
        "id": 24,
        "text": "Massachusetts",
        "code": "MA"
      },
      "country": {
        "id": 223,
        "text": "United States",
        "code": "USA"
      },
      "addressKey": "56 QWERTY ST|BOSTON|MA|USA",
      "zipcode": "02110",
      "latitude": "42.35588",
      "longitude": "-71.05518",
      "companyId": 187,
      "createdDate": null,
      "modifiedDate": 1650639441383.0,
      "locationPoint": {
        "lat": 42.35588,
        "lon": -71.05518
      },
      "isdefault": false,
      "customerNniIdentifier": "fro3987",
      "deleted": false
    },
    {
      "nniLocationId": 716,
      "supplier": "WINDSTREAM",
      "address": "1 Summer St",
      "city": {
        "id": 3290,
        "text": "Boston"
      },
      "state": {
        "id": 24,
        "text": "Massachusetts",
        "code": "MA"
      }
    }
  ]
}
```

GET NNI locations Success Response Example

```
    },
    "country": {
      "id": 223,
      "text": "United States",
      "code": "USA"
    },
    "addressKey": "1 SUMMER ST|BOSTON|MA|USA",
    "zipcode": "02110",
    "latitude": "42.355167",
    "longitude": "-71.060461",
    "companyId": 187,
    "createdDate": null,
    "modifiedDate": 1650457522775.0,
    "locationPoint": {
      "lat": 42.355167,
      "lon": -71.060461
    },
    "isdefault": false,
    "customerNniIdentifier": "654",
    "deleted": false
  },
  {
    "nniLocationId": 611,
    "supplier": "LUMEN TECHNOLOGIES",
    "address": "Weismullerstrasse 38",
    "city": {
      "id": 77449,
      "text": "Frankfurt"
    },
    "state": {
      "id": 2164,
      "text": "Hesse"
    },
    "country": {
      "id": 81,
      "text": "Germany",
      "code": "DEU"
    },
    "addressKey": "WEISMÜLLERSTRASSE 38|FRANKFURT|HESS|DEU",
    "zipcode": "60314",
    "latitude": "50.11965",
    "longitude": "8.73831",
    "companyId": 187,
    "createdDate": null,
    "modifiedDate": 1650457287562.0,
    "locationPoint": {
      "lat": 50.11965,
      "lon": 8.73831
    },
    "isdefault": false,
    "customerNniIdentifier": null,
    "deleted": false
  },
  {
    "nniLocationId": 630,
    "supplier": "LUMEN TECHNOLOGIES",
    "address": "1 Summer St",
    "city": {
      "id": 3290,
      "text": "Boston"
    },
    "state": {
      "id": 24,
      "text": "Massachusetts",
      "code": "MA"
    },
    "country": {
      "id": 223,
```

GET NNI locations Success Response Example

```
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "1 SUMMER ST|BOSTON|MA|USA",
  "zipcode": "02110",
  "latitude": "42.355167",
  "longitude": "-71.060461",
  "companyId": 187,
  "createdDate": null,
  "modifiedDate": 1649438799204.0,
  "locationPoint": {
    "lat": 42.355167,
    "lon": -71.060461
  },
  "isdefault": false,
  "customerNniIdentifier": "777",
  "deleted": false
},
{
  "nniLocationId": 668,
  "supplier": "CENTURYLINK",
  "address": "401 N Broad St",
  "city": {
    "id": 24949,
    "text": "Philadelphia"
  },
  "state": {
    "id": 42,
    "text": "Pennsylvania",
    "code": "PA"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "401 N BROAD ST|PHILADELPHIA|PA|USA",
  "zipcode": "19108",
  "latitude": "39.959822",
  "longitude": "-75.160838",
  "companyId": 187,
  "createdDate": null,
  "modifiedDate": 1648226821564.0,
  "locationPoint": {
    "lat": 39.959822,
    "lon": -75.160838
  },
  "isdefault": false,
  "customerNniIdentifier": null,
  "deleted": false
},
{
  "nniLocationId": 715,
  "supplier": "VERIZON",
  "address": "1961 Chain Bridge Rd",
  "city": {
    "id": 20030,
    "text": "McLean"
  },
  "state": {
    "id": 51,
    "text": "Virginia",
    "code": "VA"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  }
}
```

GET NNI locations Success Response Example

```
    },
    "addressKey": "1961 CHAIN BRIDGE RD|MCLEAN|VA|USA",
    "zipcode": "22102",
    "latitude": "38.917929",
    "longitude": "-77.222342",
    "companyId": 187,
    "createdDate": 1648226771143.0,
    "modifiedDate": 1648226771143.0,
    "locationPoint": {
      "lat": 38.917929,
      "lon": -77.222342
    },
    "isdefault": false,
    "customerNniIdentifier": "",
    "deleted": false
  },
  {
    "nniLocationId": 625,
    "supplier": "ZAYO",
    "address": "1 Summer St",
    "city": {
      "id": 3290,
      "text": "Boston"
    },
    "state": {
      "id": 24,
      "text": "Massachusetts",
      "code": "MA"
    },
    "country": {
      "id": 223,
      "text": "United States",
      "code": "USA"
    },
    "addressKey": "1 SUMMER ST|BOSTON|MA|USA",
    "zipcode": "02110",
    "latitude": "42.355167",
    "longitude": "-71.060461",
    "companyId": 187,
    "createdDate": null,
    "modifiedDate": 1616523303113.0,
    "locationPoint": {
      "lat": 42.355167,
      "lon": -71.060461
    },
    "isdefault": false,
    "customerNniIdentifier": null,
    "deleted": false
  },
  {
    "nniLocationId": 632,
    "supplier": "FIBERLIGHT",
    "address": "1 Summer St",
    "city": {
      "id": 3290,
      "text": "Boston"
    },
    "state": {
      "id": 24,
      "text": "Massachusetts",
      "code": "MA"
    },
    "country": {
      "id": 223,
      "text": "United States",
      "code": "USA"
    },
    "addressKey": "1 SUMMER ST|BOSTON|MA|USA",
```

GET NNI locations Success Response Example

```
"zipcode": "02110",
"latitude": "42.3547",
"longitude": "-71.06024",
"companyId": 187,
"createdDate": null,
"modifiedDate": 1616523267443.0,
"locationPoint": {
  "lat": 42.3547,
  "lon": -71.06024
},
"isdefault": false,
"customerNniIdentifier": null,
"deleted": false
},
{
  "nniLocationId": 631,
  "supplier": "AT&T",
  "address": "1 Summer St",
  "city": {
    "id": 3290,
    "text": "Boston"
  },
  "state": {
    "id": 24,
    "text": "Massachusetts",
    "code": "MA"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "1 SUMMER ST|BOSTON|MA|USA",
  "zipcode": "02110",
  "latitude": "42.3547",
  "longitude": "-71.06024",
  "companyId": 187,
  "createdDate": null,
  "modifiedDate": 1616522990629.0,
  "locationPoint": {
    "lat": 42.3547,
    "lon": -71.06024
  },
  "isdefault": false,
  "customerNniIdentifier": null,
  "deleted": false
},
{
  "nniLocationId": 633,
  "supplier": "COX COMMUNICATIONS",
  "address": "1 Summer St",
  "city": {
    "id": 3290,
    "text": "Boston"
  },
  "state": {
    "id": 24,
    "text": "Massachusetts",
    "code": "MA"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "1 SUMMER ST|BOSTON|MA|USA",
  "zipcode": "02110",
  "latitude": "42.3547",
```


GET NNI locations Success Response Example

```
"longitude": "-71.06024",
"companyId": 187,
"createdDate": null,
"modifiedDate": 1616522990518.0,
"locationPoint": {
  "lat": 42.3547,
  "lon": -71.06024
},
"isdefault": false,
"customerNniIdentifier": null,
"deleted": false
},
{
  "nniLocationId": 609,
  "supplier": "AT&T",
  "address": "1961 Chain Bridge Rd",
  "city": {
    "id": 112233,
    "text": "McLean"
  },
  "state": {
    "id": 915,
    "text": "VA"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "1961 CHAIN BRIDGE RD|MCLEAN|VA|USA",
  "zipcode": "22102",
  "latitude": "38.917929",
  "longitude": "-77.222342",
  "companyId": 187,
  "createdDate": 1613562742623.0,
  "modifiedDate": 1613562742623.0,
  "locationPoint": {
    "lat": 38.917929,
    "lon": -77.222342
  },
  "isdefault": false,
  "customerNniIdentifier": null,
  "deleted": false
},
{
  "nniLocationId": 267,
  "supplier": "FIBERLIGHT",
  "address": "21715 Filigree Ct",
  "city": {
    "id": 1190,
    "text": "Ashburn"
  },
  "state": {
    "id": 51,
    "text": "Virginia",
    "code": "VA"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "21715 FILIGREE CT|ASHBURN|VA|USA",
  "zipcode": "20147",
  "latitude": "39.016493",
  "longitude": "-77.459078",
  "companyId": 187,
  "createdDate": null,
```

GET NNI locations Success Response Example

```
"modifiedDate": 1613503750668.0,
"locationPoint": {
  "lat": 39.016493,
  "lon": -77.459078
},
"isdefault": false,
"customerNniIdentifier": null,
"deleted": false
},
{
  "nniLocationId": 332,
  "supplier": "COX",
  "address": "1261112",
  "city": {
    "id": 78805,
    "text": "Alabama"
  },
  "state": {
    "id": 2196,
    "text": "Abbeville"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": " 1261112|EMMA|MO|USA",
  "zipcode": "65327",
  "latitude": "32.366224",
  "longitude": "-86.094438",
  "companyId": 187,
  "createdDate": null,
  "modifiedDate": 1611880188854.0,
  "locationPoint": {
    "lat": 32.366224,
    "lon": -86.094438
  },
  "isdefault": false,
  "customerNniIdentifier": null,
  "deleted": false
},
{
  "nniLocationId": 336,
  "supplier": "EXTENET SYSTEMS",
  "address": "111 8th Ave",
  "city": {
    "id": 119739,
    "text": "New York"
  },
  "state": {
    "id": 35,
    "text": "New York",
    "code": "NY"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "111 8TH AVE|NEW YORK|NY|USA",
  "zipcode": "10011",
  "latitude": "40.741312",
  "longitude": "-74.003184",
  "companyId": 187,
  "createdDate": 1597676866269.0,
  "modifiedDate": 1597676866269.0,
  "locationPoint": {
    "lat": 40.741312,
```

GET NNI locations Success Response Example

```
    "lon": -74.003184
  },
  "isdefault": false,
  "customerNniIdentifier": null,
  "deleted": false
},
{
  "nniLocationId": 334,
  "supplier": "Noel Communications",
  "address": "2001 6th Ave",
  "city": {
    "id": 45441,
    "text": "Seattle"
  },
  "state": {
    "id": 53,
    "text": "Washington",
    "code": "WA"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "2001 6TH AVE|SEATTLE|WA|USA",
  "zipcode": "98121",
  "latitude": "47.614381",
  "longitude": "-122.33871",
  "companyId": 187,
  "createdDate": 1597676423225.0,
  "modifiedDate": 1597676423225.0,
  "locationPoint": {
    "lat": 47.614381,
    "lon": -122.33871
  },
  "isdefault": false,
  "customerNniIdentifier": null,
  "deleted": false
},
{
  "nniLocationId": 335,
  "supplier": "EXTENET SYSTEMS",
  "address": "1 Hancock Pl",
  "city": {
    "id": 119739,
    "text": "New York"
  },
  "state": {
    "id": 35,
    "text": "New York",
    "code": "NY"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "1 HANCOCK PL|NEW YORK|NY|USA",
  "zipcode": "10027",
  "latitude": "40.810453",
  "longitude": "-73.953454",
  "companyId": 187,
  "createdDate": 1597676423225.0,
  "modifiedDate": 1597676423225.0,
  "locationPoint": {
    "lat": 40.810453,
    "lon": -73.953454
  },
}
```

GET NNI locations Success Response Example

```
"isdefault": false,
"customerNniIdentifier": null,
"deleted": false
},
{
  "nniLocationId": 329,
  "supplier": null,
  "address": "1001 Market St",
  "city": {
    "id": 120379,
    "text": "Baltimore"
  },
  "state": {
    "id": 23,
    "text": "Maryland",
    "code": "MD"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "1001 MARKET PL|BALTIMORE|MD|USA",
  "zipcode": "10101",
  "latitude": "39.268747",
  "longitude": "-76.644145",
  "companyId": 187,
  "createdDate": 1597676423225.0,
  "modifiedDate": 1597676423225.0,
  "locationPoint": {
    "lat": 39.268747,
    "lon": -76.644145
  },
  "isdefault": false,
  "customerNniIdentifier": null,
  "deleted": false
},
{
  "nniLocationId": 331,
  "supplier": null,
  "address": "125",
  "city": {
    "id": 89582,
    "text": "Alabama"
  },
  "state": {
    "id": 2196,
    "text": "Abbeville"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "125|ALABAMA|ABBEVILLE|USA",
  "zipcode": "65326",
  "latitude": "31.533330099999999",
  "longitude": "-85.9327062",
  "companyId": 187,
  "createdDate": 1597676423225.0,
  "modifiedDate": 1597676423225.0,
  "locationPoint": {
    "lat": 31.5333301,
    "lon": -85.9327062
  },
  "isdefault": false,
  "customerNniIdentifier": null,
  "deleted": false
}
```

GET NNI locations Success Response Example

```
},
{
  "nniLocationId": 333,
  "supplier": null,
  "address": "127",
  "city": {
    "id": 89582,
    "text": "Alabama"
  },
  "state": {
    "id": 2196,
    "text": "Abbeville"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "127|ALABAMA|ABBEVILLE|USA",
  "zipcode": "65328",
  "latitude": "34.9064233",
  "longitude": "-86.9889658",
  "companyId": 187,
  "createdDate": 1597676423225.0,
  "modifiedDate": 1597676423225.0,
  "locationPoint": {
    "lat": 34.9064233,
    "lon": -86.9889658
  },
  "isdefault": false,
  "customerNniIdentifier": null,
  "deleted": false
},
{
  "nniLocationId": 271,
  "supplier": "Cox",
  "address": "8851 Park Central Dr",
  "city": {
    "id": 109953,
    "text": "Richmond"
  },
  "state": {
    "id": 51,
    "text": "Virginia",
    "code": "VA"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "8851 PARK CENTRAL DR|RICHMOND|VA|USA",
  "zipcode": "23227",
  "latitude": "37.646898",
  "longitude": "-77.43848",
  "companyId": 187,
  "createdDate": 1597674916003.0,
  "modifiedDate": 1597674916003.0,
  "locationPoint": {
    "lat": 37.646898,
    "lon": -77.43848
  },
  "isdefault": false,
  "customerNniIdentifier": null,
  "deleted": false
},
{
  "nniLocationId": 273,
```

GET NNI locations Success Response Example

```
"supplier": "Cox",
"address": "801 Parker St",
"city": {
  "id": 117010,
  "text": "Manchester"
},
"state": {
  "id": 8,
  "text": "Connecticut",
  "code": "CT"
},
"country": {
  "id": 223,
  "text": "United States",
  "code": "USA"
},
"addressKey": "801 PARKER ST|MANCHESTER|CT|USA",
"zipcode": "06042",
"latitude": "41.804611",
"longitude": "-72.5075",
"companyId": 187,
"createdDate": 1597674916003.0,
"modifiedDate": 1597674916003.0,
"locationPoint": {
  "lat": 41.804611,
  "lon": -72.5075
},
"isdefault": false,
"customerNniIdentifier": null,
"deleted": false
},
{
  "nniLocationId": 270,
  "supplier": "Cox",
  "address": "624 S Grand Ave",
  "city": {
    "id": 119002,
    "text": "Los Angeles"
  },
  "state": {
    "id": 6,
    "text": "California",
    "code": "CA"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "624 S GRAND AVE|LOS ANGELES|CA|USA",
  "zipcode": "90017",
  "latitude": "34.047912",
  "longitude": "-118.255564",
  "companyId": 187,
  "createdDate": 1597674916003.0,
  "modifiedDate": 1597674916003.0,
  "locationPoint": {
    "lat": 34.047912,
    "lon": -118.255564
  },
  "isdefault": false,
  "customerNniIdentifier": null,
  "deleted": false
},
{
  "nniLocationId": 272,
  "supplier": "Cox",
  "address": "350 E Cermak Rd",
```

GET NNI locations Success Response Example

```
"city": {
  "id": 96936,
  "text": "Chicago"
},
"state": {
  "id": 16,
  "text": "Illinois",
  "code": "IL"
},
"country": {
  "id": 223,
  "text": "United States",
  "code": "USA"
},
"addressKey": "350 E CERMAK RD|CHICAGO|IL|USA",
"zipcode": "60616",
"latitude": "41.853678",
"longitude": "-87.618354",
"companyId": 187,
"createdDate": 1597674916003.0,
"modifiedDate": 1597674916003.0,
"locationPoint": {
  "lat": 41.853678,
  "lon": -87.618354
},
"isdefault": false,
"customerNniIdentifier": null,
"deleted": false
},
{
  "nniLocationId": 269,
  "supplier": "Cox",
  "address": "1950 N Stemmons Fwy",
  "city": {
    "id": 120286,
    "text": "Dallas"
  },
  "state": {
    "id": 48,
    "text": "Texas",
    "code": "TX"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "1950 N STEMMONS FWY|DALLAS|TX|USA",
  "zipcode": "75207",
  "latitude": "32.800764",
  "longitude": "-96.819411",
  "companyId": 187,
  "createdDate": 1597674916003.0,
  "modifiedDate": 1597674916003.0,
  "locationPoint": {
    "lat": 32.800764,
    "lon": -96.819411
  },
  "isdefault": false,
  "customerNniIdentifier": null,
  "deleted": false
},
{
  "nniLocationId": 268,
  "supplier": "FiberLight",
  "address": "56 Marietta St NW",
  "city": {
    "id": 120305,
```

GET NNI locations Success Response Example

```

    "text": "Atlanta"
  },
  "state": {
    "id": 12,
    "text": "Georgia",
    "code": "GA"
  },
  "country": {
    "id": 223,
    "text": "United States",
    "code": "USA"
  },
  "addressKey": "56 MARIETTA ST NW|ATLANTA|GA|USA",
  "zipcode": "30303",
  "latitude": "33.755475",
  "longitude": "-84.391528",
  "companyId": 187,
  "createdDate": 1597674916001.0,
  "modifiedDate": 1597674916001.0,
  "locationPoint": {
    "lat": 33.755475,
    "lon": -84.391528
  },
  "isdefault": false,
  "customerNniIdentifier": null,
  "deleted": false
}
],
"first": false,
"last": false,
"number": 0,
"numberOfElements": 25,
"size": 25,
"totalElements": 25,
"totalPages": 1,
"errorCode": 0,
"errorMessage": null
}

```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
content	object wrapper	object
nniLocationId	The NNI location Id to which this rule is associated. If not present, location will be created.	int
supplier	The name of the supplier	string
address	The street address of the building	string
city	The name of the city where the building or specified location resides.	object
id	The unique Connectbase Id that is assigned to the company instance.	int
text	The name of the state identified by the id field, such as Massachusetts.	string
state	The state in which the building resides.	object
code	The abbreviation of the state or country	string
country	The country in which the location resides.	object

Response Attribute	Attribute Description	Data Type
addressKey	The full address, such as street, city, state, country.	string
zipcode	The zip code in which the location resides.	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.	float
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.	float
companyId	The Connectbase generated company Id	int
createdDate	The date in which the account was created.	
modifiedDate	The date in which the building list was last updated.	float
locationPoint	The lat and long of the location where the building or specified location resides.	object
lat	latitude	float
lon	longitude	float
isdefault	True/false	boolean
customerNniIdentifier	Where applicable, a customer provided NNI Identifier.	string
deleted	true/false	boolean
supplier	The name of the supplier	string
address	The street address of the building	string
createdDate	The date in which the account was created.	
supplier	The name of the supplier	string
first	True/False. When it is true, it denotes the first page.	boolean
last	True/False. When it is true, it denotes the last.	boolean
number	This is the current page number of the results.	int
numberOfElements	The number of elements	int
size	Indicates the size of the page. The results returned in the response	int
totalElements	Total number of elements returned in the response.	int
totalPages	Indicates the total number of pages in the result set.	int

Response Attribute	Attribute Description	Data Type
errorCode	A unique code used to identify an error. "0" = none; "1" indicates error. See errorMessage.	int
errorMessage	Where applicable, provides an error message.	string

GET NNI locations Error Response Example

```
{
  "status_code": 401,
  "message": "Unauthorized User, Invalid Access Token"
}
```

GET NNI options

Use this API to retrieve NNI options for a specified company instance.

Requirements and Special Considerations

companyId is a required request parameter.

Request URL

https://api.connected2fiber.com/api/v1/nni-management/api/v1/nni-options?
companyId={companyId}

Request parameters	Characteristic	Description/Requirements
companyId	int	The system generated company instance identifier.

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.

GET NNI options Success Response Example

```
{
  "availableProducts": [
    {
      "serviceID": 1,
      "serviceName": "SONET/TDM",
      "serviceOrder": 1,
      "isActive": true,
      "serviceMode": 1,
      "nniSupported": true
    },
    {
      "serviceID": 5,
      "serviceName": "MPLS",
      "serviceOrder": 7,
      "isActive": true,
      "serviceMode": 1,
      "nniSupported": true
    }
  ]
}
```

GET NNI options Success Response Example

```
{
  "serviceID": 6,
  "serviceName": "Dedicated Internet",
  "serviceOrder": 8,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
{
  "serviceID": 7,
  "serviceName": "Broadband",
  "serviceOrder": 9,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
{
  "serviceID": 8,
  "serviceName": "WiFi",
  "serviceOrder": 10,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
{
  "serviceID": 9,
  "serviceName": "Cloud Connect",
  "serviceOrder": 11,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
{
  "serviceID": 10,
  "serviceName": "VoIP",
  "serviceOrder": 12,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
{
  "serviceID": 11,
  "serviceName": "Ethernet - Dedicated",
  "serviceOrder": 3,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
{
  "serviceID": 12,
  "serviceName": "Ethernet - Switched",
  "serviceOrder": 4,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
{
  "serviceID": 13,
  "serviceName": "Frame",
  "serviceOrder": 13,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
{
  "serviceID": 14,
  "serviceName": "SD WAN",
  "serviceOrder": 14,
```

GET NNI options Success Response Example

```
"isActive": true,
"serviceMode": 1,
"nniSupported": true
},
{
  "serviceID": 15,
  "serviceName": "User Network Interface",
  "serviceOrder": 15,
  "isActive": true,
  "serviceMode": 2,
  "nniSupported": true
},
{
  "serviceID": 16,
  "serviceName": "Static IP",
  "serviceOrder": 16,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
{
  "serviceID": 17,
  "serviceName": "Network Network Interface",
  "serviceOrder": 17,
  "isActive": true,
  "serviceMode": 3,
  "nniSupported": true
},
{
  "serviceID": 18,
  "serviceName": "Dedicated Internet - Managed",
  "serviceOrder": 18,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
{
  "serviceID": 19,
  "serviceName": "VPN",
  "serviceOrder": 19,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
{
  "serviceID": 20,
  "serviceName": "Ethernet - Switched w/COS",
  "serviceOrder": 20,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
{
  "serviceID": 21,
  "serviceName": "Ethernet - Switched w/COS2",
  "serviceOrder": 21,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
{
  "serviceID": 22,
  "serviceName": "Ethernet - Dedicated COS1",
  "serviceOrder": 22,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
},
```

GET NNI options Success Response Example

```
{
  "serviceID": 23,
  "serviceName": "Ethernet - Dedicated COS2",
  "serviceOrder": 23,
  "isActive": true,
  "serviceMode": 1,
  "nniSupported": true
},
"availableAccessMediums": [
  {
    "id": 2,
    "text": "Coax/HFC"
  },
  {
    "id": 3,
    "text": "Copper"
  },
  {
    "id": 1,
    "text": "Fiber"
  },
  {
    "id": 5,
    "text": "Other"
  },
  {
    "id": 4,
    "text": "Wireless - Fixed"
  },
  {
    "id": 6,
    "text": "Wireless - Mobile"
  },
  {
    "id": 7,
    "text": "Wireless - Satellite"
  }
]
```

Response Attributes and Data Types

Response Attribute	Attribute Description	Data Type
availableProducts	object array	object
serviceId	A unique Id to identify a product like WiFi,Broadband etc..	int
serviceName	The name of the product or service	string
serviceOrder	The service name displayed based on the serviceOrder	int
isActive	true/false	boolean
serviceMode	Service mode is used to identify the products which has pricing(serviceMode = 1). This field is deprecated and only serviceMode = 1 records valid	int
nniSupported	true/false	boolean
availableAccessMediums	The list of available access mediumcs	array

Response Attribute	Attribute Description	Data Type
id	The Connectbase product Id.	int
text	The Connectbase product name.	string

GET NNI options Error Response Example

```
{  
  "status_code": 401,  
  "message": "Unauthorized User, Invalid Access Token"  
}
```

Revision history

Revision	Date	Description
00	September 23, 2022	This is the initial release of this document.
01	October 12, 2022	Incorporated the Data Dictionary response data attributes and data types.
02	September 25, 2023	New publication of the document with minor editorial updates.