

SiteX Pro API

REST

QuickStart Guide

Black Knight, Incorporated (BKI)

Data and Analytics

Version 1.0

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Change Control

DATE	VERSION	WHO	CHANGES
21-Mar-2022	1.0	Brian Espey	Initial release

API Gateway Base URLs

Co-Dev	https://api-co-dev.dev.bkittest.com
UAT	https://api.uat.bkittest.com
Prod	https://api.bkiconnect.com

API Gateway Token Endpoint

URL

`{{api_gateway_baseUrl}}/ls/apigwy/oauth2/v1/token`

Token lasts for 10 minutes. There is a separate api key and secret combination for each environment. There are two options for posting the api key and secret to the token endpoint:

1. Specify in the Authorization request header as:

Basic Base64Encode(concat({{client_key}}, ':', {{client_secret}}))

For example:

```
curl --location -g --request POST '{{api_gateway_baseUrl}}/ls/apigwy/oauth2/v1/token' \
--header 'Authorization: Basic MTIzOmFiYW==' \
--header 'Content-Type: application/x-www-form-urlencoded' \
--data-urlencode 'grant_type=client_credentials'
```

2. Specify in the body of the request with named parameters client_id and client_secret.

For example:

```
curl --location -g --request POST '{{api_gateway_baseUrl}}/ls/apigwy/oauth2/v1/token' \
--header 'Content-Type: application/x-www-form-urlencoded' \
--data-urlencode 'grant_type=client_credentials' \
--data-urlencode 'client_id=123' \
--data-urlencode 'client_secret=abc'
```

API Gateway Service Endpoint

OpenAPI Spec URL

`{{api_gateway_baseUrl}}/realestatedata/search/schema/{{feedId}}`

This URL returns a JSON formatted OpenAPI specification of your feed.

Property search URL

`{{api_gateway_baseUrl}}/realestatedata/search?addr={{addr}}&lastLine={{lastLine}}&owner={{owner}}&fips={{fips}}&apn={{apn}}&clientReference={{clientReference}}&options={{options}}&feedId={{feedId}}`

The most common flow is to initially perform an address search by populating the `addr` and `lastLine` parameters. If that returns a single match, then you receive the feed data in the response and you are done. However, if it returns multiple matches, you can display all the matches in your UI and have the end user select the record they are interested in. You then submit a secondary search to the search URL, populating the `FIPS` and `APN` with the value returned for that record from the first call.

You can also perform owner name and mailing address searches as described in the query parameters below.

Token is passed in Authorization header prefixed with "Bearer "

For example:

```
curl --location --request GET 'https://api-co-dev.dev.bkittest.com/realestatedata/search?addr=714 Vine&lastLine=92805&clientReference=POSTMAN_TEST&options=search_exclude_nonres=Y&feedId=100002' \
--header 'Authorization: Bearer USh9nrIkIXE6aKE3ai2QcBVwvUn'

curl --location --request GET 'https://api-co-dev.dev.bkittest.com/realestatedata/search?fips=06059&apn=035-202-10&clientReference=POSTMAN_TEST&options=search_exclude_nonres=Y&feedId=100002' \
--header 'Authorization: Bearer USh9nrIkIXE6aKE3ai2QcBVwvUn'
```

Query String Parameters

<code>addr</code>	Required for Address search. First line of the subject property address, e.g., 123 Main St
<code>lastLine</code>	Required for Address search. Last line of the subject property address, e.g., Jacksonville, FL 32256 OR Jacksonville, FL OR 32256. Alternatively, <code>lastLine</code> can be included in the <code>addr</code> parameter
<code>owner</code>	Optional for Address search. Will be used as a tie-breaker if there are multiple property records with the same address. Required for Owner search. When <code>addr</code> , <code>lastLine</code> , and <code>APN</code> are not populated but <code>owner</code> is populated, system will search by owner name. For owner searches, it is not allowed to request a feed, i.e., <code>feedId</code> must not be specified.
<code>fips</code>	Required for APN search. 5-digit county FIPS code (returned in Location element)
<code>apn</code>	Required for APN search. Assessor's Parcel Number (returned in Location element)
<code>zip</code>	Optional. Used primarily for owner name searches, but can be used instead of <code>lastLine</code> if desired for address searches.

<code>feedId</code>	Optional. Numeric identifier of the feed being requested, e.g., 100001, 1000002, etc. If not specified, then a search is performed. No feed content will be returned, but matching records will be returned in the Locations array.
<code>isMailingAddress</code>	Optional. Defaults to false. When true, search is done by mailing address rather than site address.
<code>clientReference</code>	Optional. Any value you want to correlate to a request on your side. We do not use this value, but do record it in our usage log. Can be used for troubleshooting.
<code>options</code>	Optional. Semi-Colon ";", pipe " ", or ampersand "&" delimited list of name=value pairs. <code>search_exclude_nonres=Y</code> is recommended. Without it, you might encounter multi-match responses if there are multiple parcels with the same address but only one is residential.

Document search URL

```
{{api_gateway_baseUrl}}/realestatedata/search/doc?fips={{fips}}&recDate={{recDate}}&docNum={{docNum}}&book={{book}}&page={{page}}&format={{format}}&clientReference={{clientReference}}&includeThirdParty={{includeThirdParty}}&feedId={{feedId}}
```

Query String Parameters

<code>fips</code>	Required. 5-digit county FIPS code
<code>recDate</code>	Required. Document recording date formatted as yyyyMMdd
<code>docNum</code>	Optional. Document number
<code>book</code>	Optional. Document book number
<code>page</code>	Optional. Document page number
<code>format</code>	Optional. Default is TIF. Can also request PDF.
<code>includeThirdParty</code>	Optional. Default = false. A third-party document image provider can be included to improve match rate at additional cost.
<code>feedId</code>	Required. Numeric identifier of the feed being requested, e.g., 100001, 1000002, etc.
<code>clientReference</code>	Optional. Any value you want to correlate to a request on your side. We do not use this value, but do record it in our usage log. Can be used for troubleshooting.

Farm search URL

```
{{api_gateway_baseUrl}}/realestatedata/search/farm
```

Example POST

```
{
  "ReportType": "100004",
  "Options": "farm_zipcode=92610;farm_carrier_route=C043;farm_lotsize_sqft=3900-4000",
  "Shapes": [{
    "Circle": {
      "Latitude": 33.686883,
      "Longitude": -117.66982,
      "radius": 0.01
    }
  ]
}
```

Farm count URL

```
{{api_gateway_baseUrl}}/realestatedata/search/farm/count
```

Example POST

```
{
  "ReportType": "100004",
  "Options": "farm_zipcode=92610;farm_carrier_route=C043;farm_lotsize_sqft=3900-4000",
  "Shapes": [{
    "Circle": {
      "Latitude": 33.686883,
      "Longitude": -117.66982,
      "radius": 0.01
    }
  }]
}
```

Farm county info URL

[{{api_gateway_baseUrl}}/realestatedata/search/farm/countyinfo?fips={{fips}}](#)

Use this URL to retrieve a list of zip codes, cities, and subdivisions within a specific county.