



SiteXPro

REST QuickStart Guide

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Document Control

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1. API Gateway Base URLs

Co-Dev	https://api-co-dev.dev.bkittest.com (Normally not used)
UAT	https://api.uat.bkittest.com
Prod	https://api.bkiconnect.com

2. API Gateway Token Endpoint

2.1. URL

https://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 'https://api_gateway_baseUrl/ls/apigwy/oauth2/v1/token' \
--header 'Authorization: Basic MTIzOmFiYWw==' \
--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 'https://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'
```

3. API Gateway Service Endpoint

3.1. OpenAPI Spec URL

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

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

3.2. 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 UMsh9nrIkIXE6aKE3ai2QcBVwvUn'

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 UMsh9nrIkIXE6aKE3ai2QcBVwvUn'
```

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.

owner	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 addr, lastLine, and APN are not populated but owner is populated, system will search by owner name. For owner searches, it's not allowed to request a feed, i.e., feedId must not be specified.
fips	Required for APN search. 5-digit county FIPS code (returned in Location element)
apn	Required for APN search. Assessor's Parcel Number (returned in Location element)
zip	Optional. Used primarily for owner name searches but can be used instead of lastLine if desired for address searches.
feedId	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.
isMailingAddress	Optional. Defaults to false. When true, search is done by mailing address rather than site address.
clientReference	Optional. Any value you want to correlate to a request on your side. We don't use this value but do record it in our usage log. Can be used for troubleshooting.
options	Optional. Semi-Colon ";", or pipe " ", or ampersand "&" delimited list of name=value pairs. search_exclude_nonres=Y is recommended. Without it, you might encounter multi-match responses if there are multiple parcels with the same address but only one is residential. See Appendix A.

3.3. Document search URL

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

Query String Parameters

fips	Required. 5-digit county FIPS code
recDate	Required. Document recording date formatted as yyyyMMdd
docNum	Optional. Document number
book	Optional. Document book number
page	Optional. Document page number
format	Optional. Default is TIF. Can also request PDF.
feedId	Required. Numeric identifier of the feed being requested, e.g., 100001, 100002, etc.
clientReference	Optional. Any value you want to correlate to a request on your side. We don't use this value but do record it in our usage log. Can be used for troubleshooting.

options	Optional. Semi-Colon or pipe delimited list of name=value pairs. Current supported options are: document_provider (specify cascade to include a third party document image provider at additional charge), document_search_normalize (specify N to turn off parameter normalization and search by the exact values specified in the query string). See Appendix A.
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3.4. 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
    }
  }]
}
```

3.5. 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
    }
  }]
}
```

3.6. 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.

3.7. Credits info URL

`{{api_gateway_baseUrl}}/realestatedata/search/credits`

Use this URL to retrieve available credits. This URL is mainly used in the test environment.

3.8. Loan Officer Insight (LOI) info URL

`{{api_gateway_baseUrl}}/realestatedata/search/loi?fips={{fips}}&loanOfficerId={{loanOfficerId}}&brokerId={{brokerId}}&loanCompanyId={{loanCompanyId}}&fromDate={{fromDate}}&clientReference={{clientReference}}&feedId={{feedId}}&options={{options}}`

Use this URL to retrieve Loan Officer Insight data. A list of “Locations” is returned based on the input data.

Query String Parameters

<code>fips</code>	Required. 5-digit county FIPS code
<code>loanOfficerId</code>	Optional. Loan Officer ID – at least one of Loan Officer ID, Broker ID, or Loan Company ID are required.
<code>brokerId</code>	Optional. Broker ID – at least one of Loan Officer ID, Broker ID, or Loan Company ID are required.
<code>loanCompanyId</code>	Optional. Loan Company ID – at least one of Loan Officer ID, Broker ID, or Loan Company ID are required.
<code>fromDate</code>	Optional. Only pulls data from that date forward. Format is yyyyMMdd
<code>clientReference</code>	Optional. Any value you want to correlate to a request on your side. We don't use this value but do record it in our usage log. Can be used for troubleshooting.

Returned Data

Status

MatchStatus

StatusCode

Locations

Location

FIPS

APN

Address

City
State
ZIP
ZIP4
UnitType
UnitNumer
Transaction
 RecordingDate
 Book
 Page
 DocumentNumber
 LOI
 Broker
 Id
 Name
 LoanCompany
 Id
 Name
 LoanOfficer
 Id
 Name
 LastName
OrderInfo
 SearchID
 ClientReference
 Time/Date Stamp

3.9. Sample info URL

[{{api_gateway_baseUrl}}/realestatedata/search/sample/{{feedId}}](#)

Use this URL to retrieve a sample of the “feedId” data.

3.10. Options info URL

[{{api_gateway_baseUrl}}/realestatedata/search/options/{{feedId}}](#)

Use this URL to retrieve the available options associated with the “feedId”.

3.11. County info URL

`{{api_gateway_baseUrl}}/realestatedata/search/countyinfo?fips={{fips}}`

Use this URL to retrieve information about a specific county. Fips is the 5 character code associated with the county – 06037 for Los Angeles CA for example.

Note:

FIPS is optional, and method will return info for all counties without the APN formats if not specified.

Returned Data

FIPS	5-digit county FIPS code
County	County name.
State	State name.
AssessmentYear	The year the assessment data is from
TapeCutDate	Date that the assessment data was made available
Edition	Numeric edition number of the assessment data
DeedRecordingDate	Most recent deed recording date
ESLastUpdate	Last update time to search database
ESDeedRecordingDate	Most recent deed recording date in search database
ESCount	Record count in search database
APNFormats	Array of APN Formats used by the county

3.12. Async Ordering URLs

`{{api_gateway_baseUrl}}/realestatedata/search/orders/{{searchId}}`

Returns list of all async orders for given searchId

`{{api_gateway_baseUrl}}/realestatedata/search/orders/{{provider}}`

Returns feed for the given searchId and provider.

`{{api_gateway_baseUrl}}/realestatedata/search/webhooks/{{provider}}`

Async providers post webhook notifications related to order processing here

4. Appendix A – Available Options

Depending upon the URL that is being called, certain options are available. Below are the current options.

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
	billing_force	Str	Y;N	Forces billing even if one or more of the field groups indicates the response is not billable. Defaults to N. Added to support AVM requirements	
	cafull_subjectdatasource	Str	dataquick;mls; mls10;mlsdq;mlsmls10;mlsmls10dq;mls10dq	Allows users to choose subjectdatasource from the given range.	
	farm_include_nonSol	Str	Y	Allows users to determine whether they want properties in non-solicitation counties for their farm search. Y" will return properties that are in non-solicitation counties."	
	farm_max_records	int	0-10000	Allows users to define the maximum number of records to be returned in their farm search.	
	field_population	Str	Y;N	Indicate a Y/N if the field is populated in response	
	hpi_history_end_month	Str	n/a	Allow user to specify end month of HPI History data	
	report_format	enum	PDF;HTML;None	Delivers the package in a PDF format. Not all fields and groups defined in a package can be delivered via PDF	
	report_template	Str	n/a	Specifies an xslt template to apply to the data to generate a report	
	report_wrapper	Str	Y;N	Controls whether a complete HTML document or an HTML fragment is returned	
	search_exclude_nonres	Str	Y;N	In situations where 2 parcels have the same address, the nonresidential parcel will be excluded from the search if search_exclude_nonres=Y. This will mean that only parcels with a land use code between 1000 and 1999 (residential properties) will be included.	N
Active Default	foreclosure_activity	Str	All;MOST RECENT	Allows users to get all or most recent foreclosure record(s)	MOST RECENT
Aerial Map Url	map_type	Str	road;aerial;aerialwithlabels	Allow user to specify map type to get road or aerial or aerialwithlabels type map	road
Aerial Map Url	zoom_level	int	16-20	Allow user to specify zoom level of Aerial map	18
Assignment History	history_type	enum	ALL;OWNER; OWNERFORE CLOSURE	Controls how much of the transaction history is returned. All is the default selection.	ALL

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
Assignment History	transaction_start_date	Str	n/a	Allows users to define the transaction date to get only transactions on or after that date are returned. Dates must be provided in the YYYYMMDD format.	
CA AVM (API)	cafull_ismc	Str	True;False	Allow users to invoke CAValue or CA ValueMC	FALSE
CA Value	avm_comps_lookup_reo	Str	Y;N	Only incur the performance hit of looking up REO status when required	N
CA Value AVM Full	cafull_datasource	Str	dataquick;mls; mls10;mlsdq;mlsmls10;mlsmls10dq;mls10dq	Allows users to choose basic datasource from the given range.	mlsdq
CA Value AVM Full	cafull_ismc	Str	True;False	Allow users to invoke CAValue or CA ValueMC	FALSE
CA Value AVM Full	cafull_mlssupplementalinfo	Str	True;False	True/False indicator for mlssupplementalinfo. Default value is False	FALSE
CA Value MC	avm_comps_lookup_reo	Str	Y;N	Only incur the performance hit of looking up REO status when required	N
Choice Value	avm_comps_lookup_reo	Str	Y;N	Only incur the performance hit of looking up REO status when required	N
Comp Map Url	map_height	int	1-2048	Specifies map image height in pixels	380
Comp Map Url	map_width	int	1-2048	Specifies map image width in pixels	824
Custom Comp Listings	comp_attic	Str	Y;N;B	Allows users to define whether comparables should have attics. Users can provide an "Y" to returns comps with attics; or "B" to receive comps with and without attics."	B
Custom Comp Listings	comp_basement	Str	Y;N;B	Allows users to define whether comparables should have basements. Users can provide an "Y" to returns comps with basements; or "B" to receive comps with and without basements."	B
Custom Comp Listings	comp_bath	range	0-99999999 for min/max; 0-100 for +/- baths	Allows users to define the number of baths for comparables. Users can provide a range (min and max values must be seperated by a dash) or a single value which will return comparables that have a bath count that are within +/- baths of the subject property.	1-20
Custom Comp Listings	comp_bed	range	0-99999999 for min/max; 0-100 for +/- beds	Allows users to define the number of beds for comparables. Users can provide a range (min and max values must be seperated by a dash) or a single value which will return comparables that have a bed count that are within +/- beds of the subject property.	1-20
Custom Comp Listings	comp_city	Str	n/a	Allows users to determine what cities comparables should be located in. Multiple values can be provided but must be seperated by a comma.	

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
Custom Comp Listings	comp_construction	Str	A;B;C;D;E;F;H;L;M;N;O;P;Q;R;S;T;W;X; or null	Allows users to determine what type of construction comparables should have. Multiple values can be provided but must be separated by a comma. The values provided in the range return the following construction types: A=Adobe; B=Brick; C=Concrete; D=Concrete Block; E=Dome; F=Frame; H=Heavy;L=Light ;M=Log; N=Manufactured; O=Other; P=Masonry; Q=Metal; R=Steel; S=Stone; T=Tilt-up (pre-cast concrete); W=Wood; X=Mixed.	
Custom Comp Listings	comp_livingarea_sqft	range	0-99999999 for min/max; 0-100 for +/- percentage	Allows users to define the living area in square feet for comparables. Users can provide a range (min and max values must be separated by a dash) or a single value which will return comparables are within +/- percentage of the subject property.	50
Custom Comp Listings	comp_lot_acre	range	0-99999999 for min/max; 0-100 for +/- percentage	Allows users to define the lot size in acres for comparables. Users can provide a range (min and max values must be separated by a dash) or a single value which will return comparables are within +/- percentage of the subject property.	100
Custom Comp Listings	comp_lot_sqft	range	0-99999999 for min/max; 0-100 for +/- percentage	Allows users to define the lot size in square feet for comparables. Users can provide a range (min and max values must be separated by a dash) or a single value which will return comparables are within +/- percentage of the subject property.	100
Custom Comp Listings	comp_max	int	0-100	Allow users to determine what is the maximum number of comps that they want returned	20
Custom Comp Listings	comp_months	int	1-120	Allows users to define the age of comps in months based. Difference is calculated by number of months between today's date and the contract date. If contract date isn't available; then the age in months will be based on the recording date.	24
Custom Comp Listings	comp_pool	Str	Y;N;B	Allows users to define whether comparables should have pools. Users can provide an "Y" to returns comps with pools; "N" to obtain comps without pools; or "B" to receive comps with and without pools."	B
Custom Comp Listings	comp_proximity	float	0-5	Allows users to determine how far away comps can be.	0.5
Custom Comp Listings	comp_sale_price	range	0-100000000	Allows users to determine a min and max range for comps list price/salesprice (min and max values must be separated by a dash).	0-100000000

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
Custom Comp Listings	comp_sale_type	Str	Full Sale;Partial Sale;REO Sold;Distressed;Undisclosed	Allows users to determine what type of comps should be returned.	MLS
Custom Comp Listings	comp_same_usecode	Str	Y;N	If set to "Y"; then all comparables will contain the use code as the subject property. If set to "N"; then comps can have different use codes."	Y
Custom Comp Listings	comp_sort	enum	DISTANCE; SALE DATE; SALE PRICE; LIST DATE; LIST PRICE; LIVING AREA; LOT AREA	Controls how comparables are sorted.	DISTANCE
Custom Comp Listings	comp_sort_order	enum	asc;desc	Controls the comp sort order (ascending or descending)	asc
Custom Comp Listings	comp_stories	range	Y;0-99	Allows users to define the number of stories that comparables should have. Users can provide an "Y" to return comparables that have the same number of comparables as the subject property or a range (min and max values must be separated by a dash)."	0-99
Custom Comp Listings	comp_style	Str	2;A;B;C;D;E;F;G;H;I;J;K;L;M;N;O;P;Q;R;S;T;U;V;W;X;Y;Z; or null	Allows users to determine what type of styles comparables should have. Multiple values can be provided but must be separated by a comma. The values provided in the range return the following styles: 2=Traditional; A=A-Frame; B=Bungalow; C=Cape Cod; D=Colonial; E=English; F=French Provincial; G=Georgian; H=High-rise; I=Modern; J=Ranch/Rambler; K=Spanish; L=Tudor; M=Mediterranean; N=Conventional; O=Other; P=Prefab/Modular; Q=Mansion; R=Raised Ranch; S=Dome; T=Contemporary; U=Unfinished/Under Construction; V=Victorian; W=Cottage; X=Custom; Y=Log Cabin/Rustic; Z=Historical.	
Custom Comp Listings	comp_subdivision	Str	n/a	Allows users to determine what subdivisions comparables should be located in. Multiple values can be provided but must be separated by a comma. If no value is provided; then the filter will not be applied to the search results.	

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
Custom Comp Listings	comp_tract	Str	n/a	Allows users to determine what tracts the comparables should be located in. Multiple values can be provided but must be separated by a comma. If no value is provided; then the filter will not be applied to the search results.	
Custom Comp Listings	comp_yearbuilt	range	0-99999999 for min/max; 0-100 for +/- years	Allows users to define the yearbuilt for comparables. Users can provide a range (min and max values must be separated by a dash) or a single value which will return comparables that have living areas that are within +/- years of the subject property.	50
Custom Comp Listings	comp_zipcodes	Str	n/a	Allows users to determine what zip codes the comparables should be located in. Multiple values can be provided but must be separated by a comma. If no value is provided; then the filter will not be applied to the search results.	
Custom Comp Sales	comp_attic	Str	Y;N;B	Allows users to define whether comparables should have attics. Users can provide an "Y" to returns comps with attics; or "B" to receive comps with and without attics."	B
Custom Comp Sales	comp_basement	Str	Y;N;B	Allows users to define whether comparables should have basements. Users can provide an "Y" to returns comps with basements; or "B" to receive comps with and without basements."	B
Custom Comp Sales	comp_bath	range	0-99999999 for min/max; 0-100 for +/- baths	Allows users to define the number of baths for comparables. Users can provide a range (min and max values must be separated by a dash) or a single value which will return comparables that have a bath count that are within +/- baths of the subject property.	1-20
Custom Comp Sales	comp_bed	range	0-99999999 for min/max; 0-100 for +/- beds	Allows users to define the number of beds for comparables. Users can provide a range (min and max values must be separated by a dash) or a single value which will return comparables that have a bed count that are within +/- beds of the subject property.	1-20
Custom Comp Sales	comp_city	Str	n/a	Allows users to determine what cities comparables should be located in. Multiple values can be provided but must be separated by a comma.	
Custom Comp Sales	comp_construction	Str	A;B;C;D;E;F;H;L;M;N;O;P;Q;R;S;T;W;X; or null	Allows users to determine what type of construction comparables should have. Multiple values can be provided but must be separated by a comma. The values provided in the range return the following construction types: A=Adobe; B=Brick; C=Concrete;	

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
				D=Concrete Block; E=Dome; F=Frame; H=Heavy; L=Light ;M=Log; N=Manufactured; O=Other; P=Masonry; Q=Metal; R=Steel; S=Stone; T=Tilt-up (pre-cast concrete); W=Wood; X=Mixed.	
Custom Comp Sales	comp_livingarea_sqft	range	0-99999999 for min/max; 0-100 for +/- percentage	Allows users to define the living area in square feet for comparables. Users can provide a range (min and max values must be seperated by a dash) or a single value which will return comparables are within +/- percentage of the subject property.	50
Custom Comp Sales	comp_lot_acre	range	0-99999999 for min/max; 0-100 for +/- percentage	Allows users to define the lot size in acres for comparables. Users can provide a range (min and max values must be seperated by a dash) or a single value which will return comparables are within +/- percentage of the subject property.	100
Custom Comp Sales	comp_lot_sqft	range	0-99999999 for min/max; 0-100 for +/- percentage	Allows users to define the lot size in square feet for comparables. Users can provide a range (min and max values must be seperated by a dash) or a single value which will return comparables are within +/- percentage of the subject property.	100
Custom Comp Sales	comp_max	int	0-100	Allow users to determine what is the maximum number of comps that they want returned	20
Custom Comp Sales	comp_months	int	1-120	Allows users to define the age of comps in months based. Difference is calculated by number of months between today's date and the contract date. If contract date isn't available; then the age in months will be based on the recording date.	24
Custom Comp Sales	comp_pool	Str	Y;N;B	Allows users to define whether comparables should have pools. Users can provide an "Y" to returns comps with pools; "N" to obtain comps without pools; or "B" to receive comps with and without pools."	B
Custom Comp Sales	comp_proximity	float	0-5	Allows users to determine how far away comps can be.	0.5
Custom Comp Sales	comp_sale_price	range	0-100000000	Allows users to determine a min and max range for comps list price/salesprice (min and max values must be seperated by a dash).	0-100000000
Custom Comp Sales	comp_sale_type	Str	Full Sale;Partial Sale;REO Sold;Distressed;Undisclosed	Allows users to determine what type of comps should be returned.	Full Sale

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
Custom Comp Sales	comp_same_usecode	Str	Y;N	If set to "Y"; then all comparables will contain the use code as the subject property. If set to "N"; then comps can have different use codes."	Y
Custom Comp Sales	comp_sort	enum	DISTANCE; SALE DATE; SALE PRICE; LIST DATE; LIST PRICE; LIVING AREA; LOT AREA	Controls how comparables are sorted.	DISTANCE
Custom Comp Sales	comp_sort_order	enum	asc;desc	Controls the comp sort order (ascending or descending)	asc
Custom Comp Sales	comp_stories	range	Y;0-99	Allows users to define the number of stories that comparables should have. Users can provide an "Y" to return comparables that have the same number of comparables as the subject property or a range (min and max values must be separated by a dash)."	0-99
Custom Comp Sales	comp_style	Str	2;A;B;C;D;E;F; G;H;I;J;K;L;M; N;O;P;Q;R;S;T ;U;V;W;X;Y;Z; or null	Allows users to determine what type of styles comparables should have. Multiple values can be provided but must be separated by a comma. The values provided in the range return the following styles: 2=Traditional; A=A-Frame; B=Bungalow; C=Cape Cod; D=Colonial; E=English ;F=French Provincial; G=Georgian; H=High-rise; I=Modern; J=Ranch/Rambler; K=Spanish; L=Tudor; M=Mediterranean; N=Conventional;O=Other; P=Prefab/Modular; Q=Mansion; R=Raised Ranch; S=Dome; T=Contemporary; U=Unfinished/Under Construction; V=Victorian; W=Cottage; X=Custom; Y=Log Cabin/Rustic; Z=Historical.	
Custom Comp Sales	comp_subdivision	Str	n/a	Allows users to determine what subdivisions comparables should be located in. Multiple values can be provided but must be separated by a comma. If no value is provided; then the filter will not be applied to the search results.	
Custom Comp Sales	comp_tract	Str	n/a	Allows users to determine what tracts the comparables should be located in. Multiple values can be provided but must be separated by a comma. If no value is provided; then the filter will not be applied to the search results.	
Custom Comp Sales	comp_usecodes	Str	n/a	Allows users to determine what type of land uses they want properties to have in their	

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
				custom comp sales search. Multiple values can be provided but must be seperated by a comma.	
Custom Comp Sales	comp_yearbuilt	range	0-99999999 for min/max; 0-100 for +/- years	Allows users to define the yearbuilt for comparables. Users can provide a range (min and max values must be seperated by a dash) or a single value which will return comparables that have living areas that are within +/- years of the subject property.	50
Custom Comp Sales	comp_zipcodes	Str	n/a	Allows users to determine what zip codes the comparables should be located in. Multiple values can be provided but must be seperated by a comma. If no value is provided; then the filter will not be applied to the search results.	
Deed History	history_type	enum	ALL;OWNER; OWNERFORE CLOSURE	Controls how much of the transaction history is returned. All is the default selection.	ALL
Deed History	transaction_start_date	Str	n/a	Allows users to define the transaction date to get only transactions on or after that date are returned.Dates must be provided in the YYYYMMDD format.	
Distressed	farm_distress_status	Str	First Legal;Sale Scheduled;RE O	Allows users to perform a farm search by distress status and return properties that are in one of the provided distress statuses.	
Document Image	document_inquiry_only	Str	Y;N	If flag is set (Y); the GetDocument* methods will not retrieve the document but will only check for the existence of the document	N
Document Image	document_provider	Str	bk;fnf;datatree; cascade	Specifies the document provider to use. Leave blank for bk->fnf	
EZ Value	avm_comps_lookup_reo	Str	Y;N	Only incur the performance hit of looking up REO status when required	N
Flip Sales	flip_lookback_days	int	1-9999	Number of days between sales or listing for a property to be identified as a flip	180
Flip Sales	flip_type	enum	listed;sold;all	Type of flips to include	all
Foreclosure History	history_type	enum	ALL;OWNER; OWNERFORE CLOSURE	Controls how much of the transaction history is returned. All is the default selection.	ALL
Foreclosure History	transaction_start_date	Str	n/a	Allows users to define the transaction date to get only transactions on or after that date are returned.Dates must be provided in the YYYYMMDD format.	
Geography	farm_carrier_route	Str	n/a	Allows users to perform a farm search by carrier route and return properties within the specified carrier routes.	
Geography	farm_city	Str	n/a	Allows users to perform a farm search by city and return properties within the specified cities.	

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
Geography	farm_subdivision	Str	n/a	Allows users to perform a farm search by subdivision and return properties within the specified subdivisions.	
Geography	farm_zipcode	range	0-999999999	Allows users to perform a farm search by zip code and return properties within the specified zipcode or range.	
HPI	hpi_forecast_months	int	1-200	Allow user to specify total number of months of Forecast data	12
HPI	hpi_history_months	int	1-200	Allow user to specify total number of months of HPI History	12
HPI	hpi_property_type	Str	RCON;RSFR	Allow user to specify property type to get HPI History and Forecast data	
Last Sale Deed Document Image	document_provider	Str	bk;fnf;datatree; cascade	Specifies the document provider to use. Leave blank for bk->fnf	
Last Sale Deed Document Image	image_format	enum	PDF;TIF;PNG	Controls the format of documents and plat maps. Default for online documents is TIF; and the default for plat maps is PNG.	TIF
Last Transfer Deed Document Image	document_provider	Str	bk;fnf;datatree; cascade	Specifies the document provider to use. Leave blank for bk->fnf	
Last Transfer Deed Document Image	image_format	enum	PDF;TIF;PNG	Controls the format of documents and plat maps. Default for online documents is TIF; and the default for plat maps is PNG.	TIF
MLSRecord	mls_future_buffer_days	int	0-10000	Maximum number of days into the future to consider a listing active	30
MLSRecord	mls_start_date	Str	n/a	Allows users to define the mls start date to get only transactions on or after that date are returned. Dates must be provided in the YYYYMMDD format.	
Mortgage History	history_type	enum	ALL;OWNER; OWNERFORE CLOSURE	Controls how much of the transaction history is returned. All is the default selection.	ALL
Mortgage History	transaction_start_date	Str	n/a	Allows users to define the transaction date to get only transactions on or after that date are returned. Dates must be provided in the YYYYMMDD format.	
Neighborhood	neighbor_include_subject	Str	Y;N	Allows users to specify whether the subject property should be included in the returned neighbors' records.	N
Neighborhood	neighbor_same_usecode	Str	Y;N;R	Allows users to define whether the returned neighbor record should have the same use code as the subject property	N
Other	farm_mailing_address_complete	enum	Y;N	Allows users to only return properties that have a complete Mailing Address	
Other	farm_mls_listed	Str	Y;N	Allows users to determine whether they want properties listed for sale for their farm search. "Y" will return properties that are listed. "N" will return properties that are not listed.	

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
Platmap	image_format	enum	PDF;TIF;PNG	Controls the format of documents and plat maps. Default for online documents is TIF; and the default for plat maps is PNG.	PNG
Platmap	platmap_enable_nj	Str	Y;N	Specifies whether NJ tax maps service is used when plat map cannot be found locally	N
Platmap	platmap_inquiry_only	Str	Y;N	If flag is set (Y); the search methods will not retrieve the platmap but will only check for the existence of the map. FileName field should be populated.	N
Prior Sale Deed Document Image	document_provider	Str	bk;fnf;datatree; cascade	Specifies the document provider to use. Leave blank for bk->fnf	
Prior Sale Deed Document Image	image_format	enum	PDF;TIF;PNG	Controls the format of documents and plat maps. Default for online documents is TIF; and the default for plat maps is PNG.	TIF
Property	farm_absentee	Str	ALL;IN_ST;OUT_ST	Allows users to perform a farm search by absentee type route and return properties within the specified absentee type.	ALL
Property	farm_assessed_value	int	0-99999999	Allows users to perform a farm search by assessed value and return properties within the specified value.	
Property	farm_avm	range	0-100000000	Allows users to determine the value of the properties returned in their farm search. Users must provide a range (min and max values must be separated by a dash).	
Property	farm_bath	range	0-99999999	Allows users to define the bathroom count for properties in their farm search. Users must provide a range (min and max values must be separated by a dash). Users can provide a range (min and max values separated by a dash); a minimum value (min value followed by a dash); a maximum value (dash followed by a max value) or an exact value (no dash needed).	
Property	farm_bed	range	0-99999999	Allows users to define the bedroom count for properties in their farm search. Users can provide a range (min and max values separated by a dash); a minimum value (min value followed by a dash); a maximum value (dash followed by a max value) or an exact value (no dash needed).	
Property	farm_garage_spaces	range	0-99999999	Allows users to define the number of garage spaces for properties in their farm search. Users must provide a range (min and max values must be separated by a dash). Users can provide a range (min and max values separated by a dash); a minimum value (min value followed by a dash); a maximum value (dash followed by a max value) or an exact value (no dash needed).	

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
Property	farm_land_usecodes	Str	1000-9999	<p>Allows users to determine what type of land uses they want properties to have in their farm search. Multiple values can be provided but must be separated by a comma. The following are some of the most used land use codes (contact BKL for the full list): 1000=Residential (General) (Single); 1001=Single Family Residential; 1002=Townhouse (Residential); 1003=Cluster home (Residential); 1004=Condominium Unit (Residential); 1005=Cooperative Unit (Residential); 1006=Mobile/Manufactured Home (regardless of Land ownership); 1007=Row House (Residential); 1008=Rural/Agricultural Residence; 1009=Planned Unit Development (PUD) (Residential); 1010=Residential Common Area (Condo/PUD/etc.); 1011=Timeshare (Residential); 1012=Seasonal; Cabin; Vacation Residence; 1013=Bungalow (Residential); 1014=Zero Lot Line (Residential); 1015=Misc Residential Improvement; 1016=Modular/Pre-Fabricated Homes; 1017=Patio Home; 1018=Garden Home; 1019=Landominium; 1020=Barndominium; 1021=Tiny House; 1100=Residential Income (General) (Multi-Family); 1101=Duplex (2 units; any combination); 1102=Triplex (3 units; any combination); 1103=Quadruplex (4 units; any combination); 1104=Apartment House (5+ units); 1105=Apartment House (100+ units); 1106=Garden Apt; Court Apt (5+ units); 1107=Highrise Apartments; 1108=Boarding House; Rooming House; Apt Hotel; Transient Lodgings; Hostel; 1109=Mobile Home Park; Trailer Park; 1110=Multi-Family Dwellings (Generic; any combination 2+); 1112=Apartments (generic); 1113=Dormitory; Group Quarters (Residential); 1114=Residential Condominium Development (Association Assessment); 1124=Condominium Building (Residential); 1125=Cooperative Building (Residential); 1999=Single Family Residential (Assumed); 8000=Vacant Land (General); 8001=Residential-Vacant Land; 8002=Commercial-Vacant Land; 8003=Industrial-Vacant Land; 8004=Private</p>	

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
				Preserve; Open Space-Vacant Land (Forest Land; Conservation); 8007=Multi-Family-Vacant Land; 8008=Rural/Agricultural-Vacant Land; 8010=Recreational-Vacant Land; 8011=Water Area (Lakes; River; Shore)-Vacant Land; 8016=Vacant Land - Unspecified Improvement; 8017=Vacant Land - Exempt; 9301=Historical Residence	
Property	farm_livingarea_sqft	range	0-99999999	Allows users to define the living area in square feet for properties in their farm search. Users must provide a range (min and max values must be seperated by a dash). . Users can provide a range (min and max values seperated by a dash); a minimum value (min value followed by a dash); a maximum value (dash followed by a max value) or an exact value (no dash needed).	
Property	farm_lotsize_sqft	range	0-99999999	Allows users to define the lot size in square feet for properties in their farm search. Users must provide a range (min and max values must be seperated by a dash). Users can provide a range (min and max values seperated by a dash); a minimum value (min value followed by a dash); a maximum value (dash followed by a max value) or an exact value (no dash needed).	
Property	farm_owner_occupied	enum	Y;N	Allows users to determine whether they want owner occupied or non-owner occupied properties for their farm search. Y" will return owner occupied properties and	

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
				"N" will return non-owner occupied properties."	
Property	farm_pool	Str	Y;N	Allows users to determine whether they want properties with pools for their farm search. Y" will return properties with a pool and "N" will return properties without a pool."	
Property	farm_recording_date	range	19000101-30000101	Allows users to define the recording date of the most recent transfer for the properties in their farm search. Users can provide a range (min and max date seperated by a dash); a minimum date (min value followed by a dash); a maximum date (dash followed by a max value) or an exact date (no dash needed). Dates must be provided in the YYYYMMDD format.	
Property	farm_sale_type	Str	Full Sale;Partial Sale;REO;Undisclosed	Allows users to determine what type of sale they want properties to have in their farm search.	
Property	farm_tax_exemption_codes	Str	A-Z	Allows users to determine what type of tax exemptions they want properties to have in their farm search. Multiple values can be provided but must be seperated by a comma. The values provided in the range return the following tax exemptions: A=Agricultural; B=Disabled (any); C=Cemetery; D=Homestead; E=Tax Exempt; F=Senior Citizen; G=Government; H=Historical; I=Low Income; J=Partial Exempt; K=Head of Household; L=Library/Museum; M=Miscellaneous; N=Non-profit; O=Orphanage; P=Public Utilities; Q=Charity/Fraternal Org.; R=Religious/Church; S=School/College; T=Hospital/Medical; U=Redevelopment Agency; V=Veteran; W=Welfare; X=Railroad; Y=Native American; Z=Widow/er	
Property	farm_yearbuilt	range	0-99999999	Allows users to define the year built for properties in their farm search. Users must provide a range (min and max values must be seperated by a dash). Users can provide a range (min and max values seperated by a dash); a minimum value (min value followed by a dash); a maximum value (dash followed by a max value) or an exact value (no dash needed).	

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
Release History	history_type	enum	ALL;OWNER; OWNERFOR CLOSURE	Controls how much of the transaction history is returned. All is the default selection.	ALL
Release History	transaction_start_date	Str	n/a	Allows users to define the transaction date to get only transactions on or after that date are returned.Dates must be provided in the YYYYMMDD format.	
RVM	avm_comps_lookup_reo	Str	Y;N	Only incur the performance hit of looking up REO status when required	N
Safe Value	avm_comps_lookup_reo	Str	Y;N	Only incur the performance hit of looking up REO status when required	N
Sale Loan Info	transaction_type	enum	TRANSFER;S ALE	Allows users to define whether the Last Sale Info group should be based on the most recent transfer or the most recent valid sale. When the TRANSFER option is passed; the Last Sale Info group will return the most recent deed record regardless of how the property was transferred. When the SALE option is passed; the Last Sale Info group will return the most recent valid sale (i.e; Arms length transfer). If the transaction_type option is not provided; then the SALE option will be applied as the default selection.	SALE
SiteX Value	avm_comps_lookup_reo	Str	Y;N	Only incur the performance hit of looking up REO status when required	N
TCD Report	ptd_branch_override	Str	n/a	Allow users to direct PTD to order report for a different branch	TCD
TCD Report	tax_input_transactiontype	Str	newconstruction; purchase; refinance	Allow user specify property transaction type to get PTD report	
TCD Report	tax_input_value	int	0-99999999	Allow user specify property value transaction amount to get PTD report	
TLE Report	ptd_branch_override	Str	n/a	Allow users to direct PTD to order report for a different branch	TLE
TLE Report	tax_input_transactiontype	Str	newconstruction; purchase; refinance	Allow user specify property transaction type to get PTD report	
TLE Report	tax_input_value	int	0-99999999	Allow user specify property value transaction amount to get PTD report	
TTS Report	ptd_branch_override	Str	n/a	Allow users to direct PTD to order report for a different branch	TTS
TTS Report	tax_input_transactiontype	Str	newconstruction; purchase; refinance	Allow user specify property transaction type to get PTD report	
TTS Report	tax_input_value	int	0-99999999	Allow user specify property value transaction amount to get PTD report	
Valuation History	avm_cascade	Str	n/a	AVS Cascade name (e.g. BKFS;BKFSCAVVMC;etc.)	

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
Valuation History	avm_cascade_exclusions	Str	n/a	Models to exclude from cascade (valuesure;sitexvalue;safevalue;rvm;cavalue;cavaluemc;verovalue;realassessment;ival;hve)	
Valuation History	avm_history_model	Str	ezvalue;valuesure;sitexvalue;safevalue;rvm;choicevalue;cavalue;cavaluemc	Allows users to perform a valuation history search by model	ezvalue
Valuation History	avm_history_months	int	1-120	Allow user to search how many month to go back on ValuationDate	6
ValuEdge Avm	avm_cascade	Str	n/a	AVS Cascade name (e.g. BKFS;BKFSCAVVMC;etc.)	BKFSCAVVMC
ValuEdge Avm	avm_cascade_exclusions	Str	n/a	Models to exclude from cascade (valuesure;sitexvalue;safevalue;rvm;cavalue;cavaluemc;verovalue;realassessment;ival;hve)	
ValuEdge Avm	avm_comps_lookup_reo	Str	Y;N	Only incur the performance hit of looking up REO status when required	N
ValuEdge Avm	avm_express	Str	Y;N	Y/N indicator for express mode. Express mode excludes comp search	N
ValuEdge Avm	avm_express_ca	Str	Y;N	Invoke CA API with type=express" and expressComps="true"	N
ValuEdge Avm	avm_express_include_comps	Str	Y;N	Specifies whether comps should be include when avm_express=Y. Default is N.	N
ValuEdge Avm	avm_selector	enum	cascade;maxconf	AVM selection strategy	cascade
ValuEdge Avm	ca_datasource	enum	dataquick;mls;mls10;mlsdq;mlsmls10;mlsmls10dq;mls10dq	Allows users to choose datasource from the given range.	dataquick
ValuEdge Avm	ca_mlssupplementalinfo	enum	True;False	True/False indicator for mlssupplementalinfo.Default value is False	FALSE
ValuEdge Avm	ca_subjectdatasource	enum	dataquick;mls;mls10;mlsdq;mlsmls10;mlsmls10dq;mls10dq	Allows users to choose subjectdatasource from the given range.	dataquick
ValuEdge Avm	camc_datasource	enum	dataquick;mls;mls10;mlsdq;mlsmls10;mlsmls10dq;mls10dq	Allows users to choose camc datasource from the given range.	dataquick
ValuEdge Avm	camc_mlssupplementalinfo	enum	True;False	True/False indicator for camc mlssupplementalinfo.Default value is False	FALSE
ValuEdge Avm	camc_subjectdatasource	enum	dataquick;mls;mls10;mlsdq;mlsmls10;mlsmls10dq;mls10dq	Allows users to choose camc subjectdatasource from the given range.	dataquick

GROUP	OPTION NAME	TYPE	VALUES	DESCRIPTION	DEFAULT
ValueSure	avm_comps_lookup_reo	Str	Y;N	Only incur the performance hit of looking up REO status when required	N
	search_strict	Str	Y;N	Allows users to choose not to perform "fallback" searches that are only looking for similar/nearby properties	N