Maricopa County Assessor's API

Headers

Once you receive your token, the next step is to add a custom header to your request (documentation varies between languages and transports). We use a custom header name of AUTHORIZATION with a value of your token. Listed below are some links to various examples of tools that are commonly used to access a RESTful API.

cURL (PHP/Command Line): https://curl.haxx.se/libcurl/c/CURLOPT_HTTPHEADER.html
GuzzleHTTP (PHP): http://docs.guzzlephp.org/en/stable/request-options.html
node.js (using Request): https://github.com/request/request
C#/ASP.NET/ASP.NET Core: https://docs.microsoft.com/en-us/dotnet/api/system.net.webrequest.headers?view=netframework-4.7.1#System_Net_WebRequest_Headers

If you need a token please use the contact us form in the upper right hand corner of the website and select the option "API Token/Question."

PLEASE NOTE: Sections highlighted in yellow are currently <u>NOT</u> working at this time.

Description Of Usual Server Responses:

- 200 `OK` - the request was successful (some API calls may return 201 instead).
- 201 `Created` - the request was successful and a resource was created.
- 204 `No Content` - the request was successful but there is no representation to return (i.e. the response is empty).
- 400 `Bad Request` - the request could not be understood or was missing required parameters.
- 401 `Unauthorized` - authentication failed or user doesn't have permissions for requested operation.
- 403 `Forbidden` - access denied.404 Not Found - resource was not found.
- 405 `Method Not Allowed` - requested method is not supported for resource.

Search Functions

Parameters

{query}
URL encoded query to search for

Search All

Description: Searches all data points available. Returns a structured JSON result set with Real Property, BPP, MH, Rentals, Subdivisions, and Content along with totals found
Path: /search/{query}
Example: https://preview.mcassessor.maricopa.gov/search/Phoenix

Search Subdivisions

Description: Searches only subdivision names. Returns a structured JSON result set with a list of subdivision names and parcel counts.
Path: /search/subdivisions/{query}
Example: https://preview.mcassessor.maricopa.gov/search/subdivisions/phoenix

Search Real Property

Description: Searches only real property parcels. Returns a structured JSON result set with only real property parcels.
Path: /search/property/{query}
Example: https://preview.mcassessor.maricopa.gov/search/property/phoenix

Search Business Personal Property

Description: Searches only business personal property accounts. Returns a structured JSON result set with only business personal property accounts.
Path: /search/bpp/{query}
Example: https://preview.mcassessor.maricopa.gov/search/bpp/phoenix

Search Mobile Homes

Description: Searches only mobile home accounts. Returns a structured JSON result set with only mobile home accounts.
Path: /search/mh/{query}
Example: https://preview.mcassessor.maricopa.gov/search/mh/phoenix

Search Rentals

Description: Searches only rental registrations. Returns a structured JSON result set with only rental registrations.
Path: /search/rentals/{query}
Example: https://preview.mcassessor.maricopa.gov/search/rentals/phoenix

Search by Property Type

Description: Searches only on property types. Property type must be AG, CM, LD, MH, or RD.
Path: /search/prop-type/{query}
Example: https://preview.mcassessor.maricopa.gov/search/prop-type/RD

Parcel Functions

Parameters

{apn}
APN (Assessor Parcel Number or APN for short) must formatted with (or without) spaces, dashes, or dots.

Parcel Details

Description: Returns a JSON object with all available parcel data.
Works with parcel type(s): Residential, Commercial, Land, Agriculture
Path: /parcel/{apn}
Example: https://preview.mcassessor.maricopa.gov/parcel/112-19-038A

Property Information

Description: Returns a JSON object with information specific to the property.
Works with parcel type(s): Residential, Commercial, Land, Agriculture
Path: /parcel/{apn}/propertyinfo
Example: https://preview.mcassessor.maricopa.gov/parcel/112-19-038A/propertyinfo

Property Address

Description: Returns a JSON object with address of the property.
Works with parcel type(s): Residential, Commercial, Land, Agriculture
Path: /parcel/{apn}/address
Example: https://preview.mcassessor.maricopa.gov/parcel/112-19-038A/address

Property Latitude/Longitude

Description: Returns a JSON object with latitude, longitude, and address of the property.
Works with parcel type(s): Residential, Commercial, Land, Agriculture
Path: /parcel/{apn}/propertyinfo
Example: https://preview.mcassessor.maricopa.gov/parcel/112-19-038A/propertyinfo

Valuation Details

Description: Returns a JSON object with the past 5 years of valuation data from a parcel.
Works with parcel type(s): Residential, Commercial, Land, Agriculture
Path: /parcel/{apn}/valuations
Example: https://preview.mcassessor.maricopa.gov/parcel/112-19-038A/valuations

Residential Details

Description: Returns a JSON object with all the available residential parcel data. Does not apply to commerical, land or agriculture parcels.
Works with parcel type(s): Residential, Commercial, Land
Path: /parcel/{apn}
Example: https://preview.mcassessor.maricopa.gov/parcel/112-19-038A/residential-details

Similar Parcels (Comps)

Description: Returns a JSON object with the 5 most likely similar parcels.
Works with parcel type(s): Residential
Path: /parcel/{apn}/similar-parcels
Example: https://preview.mcassessor.maricopa.gov/parcel/112-19-038A/similar-parcels

Improvement Details

Description: Returns a JSON object with just the parcel improvements.
Works with parcel type(s): Commercial, Land, Agriculture
Path: /parcel/{apn}/improvements
Example: https://preview.mcassessor.maricopa.gov/parcel/112-19-038A/improvements

Owner Details

Description: Returns a JSON object with all available parcel data.
Works with parcel type(s): Residential, Commercial, Land, Agriculture
Path: /parcel/{apn}/owner-details
Example: https://preview.mcassessor.maricopa.gov/parcel/112-19-038A/owner-details

Rental Details

Description: Returns a JSON object with available rental data for the parcel.
Works with parcel type(s): Residential, Commercial, Land
Path: /parcel/{apn}/rental-details
Example: https://preview.mcassessor.maricopa.gov/parcel/112-19-038A/rental-details

Zoning Details

Description: Returns a JSON object with the zoning information for the parcel.
Works with parcel type(s): Residential, Commercial, Land, Agriculture
Path: /parcel/{apn}/zoning
Example: https://preview.mcassessor.maricopa.gov/parcel/112-19-038A/zoning

MCR

Description: Returns a JSON object ...
Works with parcel type(s): Residential, Commercial, Land, Agriculture
Path: /parcel/mcr/{mcr}
Example: https://preview.mcassessor.maricopa.gov/parcel/mcr/251

Section/Township/Range (STR)

Description: Returns a JSON object ...
Works with parcel type(s): Residential, Commercial, Land, Agriculture
Path: /parcel/str/{str}
Example: https://preview.mcassessor.maricopa.gov/parcel/str/8%201N%203E

MapID (Map Ferret/Plat Map) Functions

Parameters:

{apn}
APN (Assessor Parcel Number or APN for short) must formatted with (or without) spaces, dashes, or dots.

{mcr}
MCR Number.

{sub}
Subdivision name. Must be URL encoded.

{str}
Section/Township/Range. Can be formatted with (or without) spaces, dashes, or dots. '11E01', '011E01', or '01-1E-01'

{book}
Three digit book portion of an APN.

{map}
Two digit map portion of an APN.

Parcel Map(s)

Description: Returns a JSON array of map file names.
Path: /mapid/parcel/{apn}
Example: https://preview.mcassessor.maricopa.gov/mapid/parcel/112-19-038A

Subdivision Map(s)

Description: Returns a JSON array of map file names.
Path: /mapid/sub/{sub}
Example: https://preview.mcassessor.maricopa.gov/mapid/sub/CASA%20REAL%20PHOENIX%201A%20LOT%201-29

Book/Map Map(s)

Description: Returns a JSON array of map file names.
Path: /mapid/bookmap/{book}/{map}
Example: https://preview.mcassessor.maricopa.gov/mapid/bookmap/112/19

Section/Township/Range Map(s)

Description: Returns a JSON array of map file names.
Path: /mapid/str/{str}
Example: https://preview.mcassessor.maricopa.gov/mapid/str/8%201N%203E

MCR Map(s)

Description: Returns a JSON array of map file names.
Path: /mapid/mcr/{mcr}
Example: https://preview.mcassessor.maricopa.gov/mapid/mcr/251

Business Personal Property/Mobile Home Functions

Parameters:

{an}
Business personal property account number.

{at}
Business personal property account type character. Must be lower case and must be a single letter of either 'c' for Commercial, 'm' for Multiple or 'l' for Lessor

{ty}
Four digit tax year. Defaults to current tax year if omitted.

BPP Account(s) Details

Description: Returns either account details for a single, commercial account or account details belonging to a multiple or lessor account. Optionally supply a tax year to get a list of accounts for that tax year. Tax year does not apply to commercial accounts.
Path: /bpp/{at}/{an}[/{ty}]
Example: https://preview.mcassessor.maricopa.gov/bpp/c/1003384
Example: https://preview.mcassessor.maricopa.gov/bpp/m/1056
Example: https://preview.mcassessor.maricopa.gov/bpp/m/1056/2020
Example: https://preview.mcassessor.maricopa.gov/bpp/l/1145
Example: https://preview.mcassessor.maricopa.gov/bpp/l/1145/2020

BPP Account Name

Description: Returns the account name for an individual account.
Path: /bpp/{at}/{an}/name
Example: https://preview.mcassessor.maricopa.gov/bpp/c/101068/name
Example: https://preview.mcassessor.maricopa.gov/bpp/m/1056/name
Example: https://preview.mcassessor.maricopa.gov/bpp/l/1145/name

Mobile Home Account

Description: Returns account details for an unsecured mobile home.
Path: /mh/{an}
Example: https://preview.mcassessor.maricopa.gov/mh/6214407

Mobile Home VIN

Description: Returns account number on a mobile home VIN.
Path: /mh/vin/{vin}
Example: https://preview.mcassessor.maricopa.gov/mh/vin/4C027073US3617

Property Exports

Parameters

{query}
URL encoded query to search for

Export Real Property Search

Description: Returns a CSV (comma separated values) file with the results of a real property search.
Path: /search/export/property/{query}
Example: https://preview.mcassessor.maricopa.gov/search/export/property/phoenix
Example (with limit): https://preview.mcassessor.maricopa.gov/search/export/property/phoenix?limit=5
Example (with limit and offset): https://preview.mcassessor.maricopa.gov/search/export/property/phoenix?limit=5&offset=5

Export Business Personal Property Search

Description: Returns a CSV (comma separated values) file with the results of a business personal property search.
Path: /search/export/bpp/{query}
Example: https://preview.mcassessor.maricopa.gov/search/export/bpp/phoenix
Example (with limit): https://preview.mcassessor.maricopa.gov/search/export/bpp/phoenix?limit=5
Example (with limit and offset): https://preview.mcassessor.maricopa.gov/search/export/bpp/phoenix?limit=5&offset=5

Export Mobile Home Search

Description: Returns a CSV (comma separated values) file with the results of a mobile home search.
Path: /search/export/mh/{query}
Example: https://preview.mcassessor.maricopa.gov/search/export/mh/phoenix
Example (with limit): https://preview.mcassessor.maricopa.gov/search/export/mh/phoenix?limit=5
Example (with limit and offset): https://preview.mcassessor.maricopa.gov/search/export/mh/phoenix?limit=5&offset=5

Export Rental Property Search

Description: Returns a CSV (comma separated values) file with the results of a real property search.
Path: /search/export/rentals/{query}
Example: https://preview.mcassessor.maricopa.gov/search/export/rentals/phoenix
Example (with limit): https://preview.mcassessor.maricopa.gov/search/export/rentals/phoenix?limit=5
Example (with limit and offset): https://preview.mcassessor.maricopa.gov/search/export/rentals/phoenix?limit=5&offset=5

Property Functions

Path: /search/property/

Definitions

BETWEEN
Creates a between clause Example: saleyear=2000-2018

IN
Creates an IN clause Example: saleyear=2000,2002,2004,2006,2008

MATCH
Creates an exact match clause Example: saleyear=2000

Parameters

limit
Sets the limit for the number of results to return (maximum of 10000 results now, but still defaults to 1000 for performance reasons)

offset
Sets the offset for search

Sorting

ASC
Sorts the results in ascending order

DESC
Sorts the results in descending

Sortable Fields
apn, rental, mcr, ownername, sectiontownshiprange, situsaddress, situscity, situszip, subdivisionname, weight, propertydescription, ownermailingaddress, propertytype, puccode, imprfcv, landfcv, neighborhood, marketarea, stories, landsize, saleprice, saledate, fullcashvalue,

livablesqfootage, constructionyear, weightedage, poolarea, foreclosed, floor1sqft, floor2sqft, floor3sqft, basementsqft, pool, garage

Operators

>
Displays results that are greater than the value to the right of the operator

<
Displays results that are less than the value to the right of the operator

>=
Displays results that are greater than or equal to the value to the right of the operator

<=
Displays results that are less than or equal to the value to the right of the operator

Search Facets

imprfcv
Improvement full cash value - BETWEEN, IN, and MATCH

landfcv
Land full cash value - BETWEEN, IN, and MATCH

stories
Stories of a building - BETWEEN, IN, and MATCH

landsize
Land size - BETWEEN, IN, and MATCH

saleprice
Sale price - BETWEEN, IN, and MATCH

salemonth
Sale month - BETWEEN, IN, and MATCH

saleyear
Sale year - BETWEEN, IN, and MATCH

fullcashvalue
Full cash value (for the current valuation year) - BETWEEN, IN, and MATCH

livablesqfootage
Livable square footage - BETWEEN, IN, and MATCH

constructionyear
Construction year - BETWEEN, IN, and MATCH

weightedage
Weighted age - BETWEEN, IN, and MATCH

poolarea
Square footage of a pool - BETWEEN, IN, and MATCH

floor1sqft
First floor square footage- BETWEEN, IN, and MATCH

floor2sqft
Second floor square footage - BETWEEN, IN, and MATCH

floor3sqft
Third floor square footage - BETWEEN, IN, and MATCH

basementsqft
Basement floor square footage - BETWEEN, IN, and MATCH

pool
Does property have a pool - MATCH (Boolean)

garage
Does property have a garage - MATCH (Boolean)

rental
Property registered as a rental - MATCH (Boolean)

city
City is the property located in - IN, and MATCH

zip
Zip code is the property located in - IN, and MATCH

puccode
Property use code - IN, and MATCH

neighborhood
Neighborhood code - IN, and MATCH

marketarea
Market area code - IN, and MATCH

Deed Functions

Parameters

{apn}
APN (Assessor Parcel Number or APN for short) must formatted with (or without) spaces, dashes, or dots.

Deed Details

Description: Returns a JSON object with deed number, date, type, stat, and owner's name data.
Path: /deeds/chain/{apn}
Example: https://preview.mcassessor.maricopa.gov/deeds/chain/50705902