

FMLS Member API V 1.4

Member API Domains

Development Documentation: <https://api-dev.fmls.com>

Production Documentation: <https://api.fmls.com>

Member API Description

The Member API will allow Roster information for MLS Members and Offices to be consumed. FMLS will provide endpoints for retrieval of this Roster data by all, active, and inactive statuses. There is an endpoint for Member data retrieval and another for Office.

User Authentication

FMLS will utilize JWT Token authentication. We will require a username and password in order to provide the Token. This token will be available for as long as the user is authenticated. Once authenticated, the user needs to enter the token and it will be available for all other requests.

Accessing MemberAPI

All requests are posted to <https://api.fmls.com/api/MemberAPI/> (note https, ssl is required).

Parameters control which operation is performed and which values are returned.

The JWT Token will be provided with every request and will tie to a specific user profile which specifies the appropriate FMLS backend and permissions level. Parameter names are case-insensitive. Parameter values, however, may be case-sensitive.

Operation Overview

Authentication - User (POST)

- User: <https://api.fmls.com/api/Authenticate/User>
Authenticates the user and issues a JWT Token.

Username & Password are part of the raw JSON Body

```
{
  "userName": "APIUser",
  "password": "APIPassword"
}
```

Data Queries - Member (GET)

- **GetMemberWithMlsId/{MemberMlsId}**
Returns all data for a single Member.
Example: <https://api.fmls.com/api/MemberAPI/GetMemberWithMlsId/MEMBERABC>
- **GetMembersActive:** Returns all data for Members by Active status with paging and filtering capabilities.
Example: <https://api.fmls.com/api/MemberAPI/GetMembersActive>

Includes Filters:

PageNumber (int) – Current Page Number (Default = 1)

PageSize (int) – How many pages of data (Max = 100, Default = 100)

ModificationTimestamp (DateTime, Default = NULL) – Minimum date to fetch data that was modified between last pull time and the current time.

- **GetMembersInactive:** Returns all data for Members by Inactive status with paging and filtering capabilities.
Example: <https://api.fmls.com/api/MemberAPI/GetMembersInactive>

Includes Filters:

PageNumber (int) – Current Page Number (Default = 1)

PageSize (int) – How many pages of data (Max = 100, Default = 100)

ModificationTimestamp (DateTime, Default = NULL) – Minimum date to fetch data that was modified between last pull time and the current time.

- **GetMembersAll:** Returns all data for all Members with paging and filtering capabilities.
Example: <https://api.fmls.com/api/MemberAPI/GetMembersAll> ***Recommended**

Includes Filters:

PageNumber (int) – Current Page Number (Default = 1)

PageSize (int) – How many pages of data (Max = 100, Default = 100)

ModificationTimestamp (DateTime, Default = NULL) – Minimum date to fetch data that was modified between last pull time and the current time.

- **RequestBulkMembersAll:** Returns a token used to access an in-memory cache of all members via **GetBulkMembers**.
 - Expects a from query parameter **streamtoken** supplied by the log in response
- **GetBulkMembers:** Returns a subset of cached data totaling up to 10,000 members (**payload**) and a boolean representing whether the end of the cache has been reached (**endFlag**) in the format { payload, endflag }. The TotalMembers field is used to verify end of data also.
 - Expects a from query parameter **streamtoken** supplied by one of the requesting api function's response

Data Queries - Office (GET)

- **GetOffice/{OfficeKeyNumeric}**: Returns all data for a single Office.
Example: <https://api.fmls.com/api/MemberAPI/GetOffice/1111111>
- **GetOfficeWithMlsId/{OfficeMlsId}**: Returns all data for a single Office.
Example: <https://api.fmls.com/api/MemberAPI/GetOffice/OFFICE111>
- **GetOfficesActive**: Returns all data for Offices by Active status with paging and filtering capabilities.
Example: <https://api.fmls.com/api/MemberAPI/GetOfficesActive>

Includes Filters:

PageNumber (int) – Current Page Number (Default = 1)

PageSize (int) – How many pages of data (Max = 100, Default = 100)

ModificationTimestamp (DateTime, Default = NULL) – Minimum date to fetch data that was modified between last pull time and the current time.

- **GetOfficesInactive**: Returns all data for Offices by Inactive status with paging and filtering capabilities.
Example: <https://api.fmls.com/api/MemberAPI/GetOfficesInactive>

Includes Filters:

PageNumber (int) – Current Page Number (Default = 1)

PageSize (int) – How many pages of data (Max = 100, Default = 100)

ModificationTimestamp (DateTime, Default = NULL) – Minimum date to fetch data that was modified between last pull time and the current time.

- **GetOfficesAll**: Returns all data for all Offices with paging and filtering capabilities.
Example: <https://api.fmls.com/api/MemberAPI/GetOfficesAll> **Recommended*

Includes Filters:

PageNumber (int) – Current Page Number (Default = 0)

PageSize (int) – How many pages of data (Max = 50, Default = 10)

ModificationTimestamp (DateTime, Default = NULL) – Minimum date to fetch data that was modified between last pull time and the current time.

- **RequestBulkOfficesAll**: Returns a token used to access an in-memory cache of all offices via **GetBulkOffices**.
 - Expects a from query parameter **streamtoken** supplied by the log in response
- **GetBulkOffices**: Returns a subset of cached data totaling up to 3000 offices (**payload**) and a boolean representing whether the end of the cache has been reached (**endFlag**) in the format { payload, endflag }. The TotalOffices field is used to verify end of data also.
 - Expects a from query parameter **streamtoken** supplied by one of the requesting api function's response

Response Overview

Response format will be a standardized json package across all responses/operations and will contain:

- **ResponseCode:** Numeric code that generally corresponds to http response codes (200 = OK, 400 = Bad Request, 500 = InternalServerError, etc.). This element is always present in the response.
- **ResponseText:** Text that corresponds to responseCode, providing more detail where required. (ex: "OfficeStreet is invalid field for the Office entity."). This element is always present in the response.
- **Data:** Contains the response data set, if any.

Valid Response Codes

200 OK	The request was successfully processed, and data is included in the response.
400 Bad Request	The request was not understood. See the response text for more information.
401 Unauthorized	The request was understood but it will not be fulfilled due to a lack of user permissions. See the response text for more information.
404 Not Found	The request is understood but no matching data is found to return.
500 Server Error	Something is not correctly working server-side. This is not an issue that can be resolved by modifying query syntax.

Sample Data (Member):

```
[
  {
    "TotalMembers": "100000",
    "memberMLSId": "AAA",
    "memberKeyNumeric": 123456,
    "memberType": "SA",
    "memberStatus": "A",
    "memberMlsSecurityClass": "SA",
    "memberStateLicense": "234567",
    "memberFirstName": "FIRSTNAME",
    "memberLastName": "LASTNAME",
    "memberFullName": "FIRSTNAME LASTNAME",
    "memberAddress1": "111 Main Street",
    "memberAddress2": "",
    "memberCity": "Atlanta",
    "memberStateOrProvince": "GA",
    "memberPostalCode": "30000",
    "memberDirectPhone": "404-111-1111",
    "memberMobilePhone": "404-222-2222",
    "memberFax": "404-333-3333",
    "memberEmail": "FIRSTNAME.LASTNAME@REALTY.COM",
    "socialMediaWebsiteUrlOrId": "REALTY.COM",
    "officeKeyNumeric": 7891011,
    "officeMlsId": "AAAA00",
    "originatingSystemName": "FMLS",
    "originalEntryTimestamp": "1900-01-01T00:00:00",
    "originatingSystemID": null,
    "modificationTimestamp": "2021-06-04T16:16:19.297",
    "lastLoginTimestamp": "2021-06-04T12:23:50.773"
  }
]
```

Sample Data (Office):

```
[
  {
    "TotalOffices": "100000",
    "mainOfficeMlsId": "111111",
    "mainOfficeKeyNumeric": 2222222,
    "officeKeyNumeric": 3333333,
    "officeMlsId": "BBBB01",
    "officeBrokerKeyNumeric": 4444444,
    "officeBrokerMlsId": "MLSID",
    "officeCorporateLicense": "A-11111",
    "officeStatus": "A",
    "officeName": "Best Homes, Inc.",
    "officeAddress1": "2222 Peachtree Rd",
    "officeAddress2": "Suite 222",
    "officeCity": "Atlanta",
    "officeStateOrProvince": "GA",
    "officePostalCode": "30000",
    "officePhone": "404-222-2222",
    "officeFax": "404-333-3333",
    "officeEmail": "bestrealty@email.com",
    "syndicateTo": "",
    "originatingSystemName": "FMLS",
    "originalEntryTimestamp": "0001-01-01T00:00:00",
    "originatingSystemID": "M00000222",
    "originatingSystemOfficeKey": "4",
    "modificationTimestamp": "2021-06-04T12:00:07.077"
  }
]
```