

[Apple Maps Server API](#) / Geocode an address

Web Service Endpoint

Geocode an address

Returns the latitude and longitude of the address you specify.

Apple Maps Server API 1.2+

URL

GET <https://maps-api.apple.com/v1/geocode>

Query Parameters

q string	(Required) The address to geocode. For example: <code>q=1 Apple Park, Cupertino, CA</code>
limitToCountries [string]	<p>A comma-separated list of two-letter ISO 3166-1 codes to limit the results to. For example: <code>limitToCountries=US,CA</code>.</p> <p>If you specify two or more countries, the results reflect the best available results for some or all of the countries rather than everything related to the query for those countries.</p>
lang Lang	<p>The language the server should use when returning the response, specified using a BCP 47 language code. For example, for English use <code>lang=en-US</code>. Default: <code>en-US</code></p>
searchLocation SearchLocation	<p>A location defined by the application as a hint. Specify the location as a comma-separated string containing the latitude and longitude. For example, <code>searchLocation=37.78,-122.42</code>.</p>
searchRegion SearchRegion	<p>A region the app defines as a hint. Specify the region specified as a comma-separated string that describes the region in the form north-latitude, east-</p>

longitude, south-latitude, west-longitude. For example, search
Region=38,-122.1,37.5,-122.5.

userLocation
[UserLocation](#)

The location of the user, specified as a comma-separated string that contains the latitude and longitude. For example: userLocation=37.78,-122.42.

Certain APIs, such as Searching, may opt to use the userLocation, if specified, as a fallback for the searchLocation.

Response Codes

200 PlaceResults	OK An array of Place objects. Content-Type: application/json
400 ErrorResponse	Bad Request An ErrorResponse object that contains an error message and an array of strings that contains additional details. Content-Type: application/json
401 ErrorResponse	Unauthorized An ErrorResponse object that contains an error message that indicates the Maps access token was missing or invalid and an array of strings that contains additional details about the error. Content-Type: application/json
429 ErrorResponse	An ErrorResponse object that indicates the call exceeds the daily service call quota for the authorization token presented. The app should try again later. If your app requires a larger daily quota, submit a quota increase request form . Content-Type: application/json
500 ErrorResponse	Internal Server Error An ErrorResponse object that contains a server error message and an array of strings that describe additional details about the error. Content-Type: application/json

Discussion

Example

Request Response

```
curl -si -H "Authorization: Bearer <maps_access_token>" "https://maps-api.apple.com/
```

See Also

Geocoding

Reverse geocode a location

Returns an array of addresses present at the coordinates you provide.