

Retrieve a List of Geos

This API allows you to retrieve the list of all Geos in the PubMatic platform.



Before using PubMatic APIs, first generate the API Token; see [Getting Started with PubMatic APIs](#).

Request

URI	http://{domainName}/common/geo?pageSize=20&pageNumber=1
HTTP Method	GET

Request Headers

Header Name	Type	Value	Required	Description
Authorization	String	Bearer \${access_token}	Yes	Need to send the access token generating for authentication at the place of \${access_token}. For more information about access tokens, refer to Getting Started with PubMatic APIs .

Request Query Parameters

Parameter Name	Type	Required	Description
pageNumber	Integer	Optional	Page number to be fetched in case of multiple pages. Its default value is 1.
pageSize	Integer	Optional	Maximum number of rows to be included in the response. Its default value is 100.
filter	String	Optional	Filter the response based on provided criteria (see example below)
sort	String	Optional	Sort the response by field(s)

Response

Header Name	Type
Content-type	application/json

Response Body

Response Body Parameter	Type	Description
metaData	Object	Pagination details
geoid	Integer	Unique identifier for the geo.
name	String	Name of the geo.
countryCode	String	Country code for the geo.
dmaCode	Integer	DMA code for the geo.
geoLevel	String	Level of the geo. Possible values are CITY and COUNTRY.

Sample Response JSON

```

{
  "metaData": {
    "startIndex": 1,
    "request": {
      "pageSize": 3,
      "pageNumber": 1
    },
    "totalRecords": 162910,
    "endIndex": 3
  },
  "items": [
    {
      "geoId": 0,
      "name": "Rest Of The World",
      "countryCode": "",
      "dmaCode": 0,
      "geoLevel": "COUNTRY"
    },
    {
      "geoId": 1,
      "name": "Anonymous Proxy",
      "countryCode": "A1",
      "dmaCode": 0,
      "geoLevel": "COUNTRY"
    },
    {
      "geoId": 2,
      "name": "Satellite Provider",
      "countryCode": "A2",
      "dmaCode": 0,
      "geoLevel": "COUNTRY"
    }
  ]
}

```

Filtering and sorting the response

The Geo API provides filtering and sorting parameters to narrow results when you are looking for a very specific or set of specific geo details. The response has the following header, along with the response body parameters.

Response Header Name	Type	Description
Content-type	application /json	A JSON payload made up of the response body parameters below to report the results of the request; see example JSON response below .

Response Body Parameter	Type	Description
city	String	Name of a city; for example, "city": "Barcelona".
country	String	Name of a country; for example, "country": "Spain".
countryCode	String	Unique country code for geo; for example, "countryCode": "ES".
dmaCode	Integer	A Nielsen Designated Market Area code derived from your original request parameters; for example, "dmaCode": 0. Note that dmaCode is not returned in all cases.
geoLevel	String	The geoLevel you specified in the request; either, COUNTRY or CITY.
geoLevelId	String	Integer code for the geoLevel scope you defined in the request (country or city). May be one of the following: <ul style="list-style-type: none"> • 1 = Country • 3 = City
id	Integer	Unique identifier for a geo; for example, "id": 275439.

name	String	The name of the geo. The result depends upon the request scope determined by the filters you apply. For example, if you filter for results pertaining only to "Barcelona," then name returned is, "name": "Barcelona". But if your filter includes all of Spain, then the name returned is, "name": "Spain". See example JSON response below .
region	String	The name of the region as determined by the value you supplied in the request; for example, if geoLevel scope is CITY, countryCode is ES, and city was Barcelona, then region will be, "region": "Barcelona". See example JSON response below .
regionCode	String	An abbreviated code representing the scope of the region determined by your request parameters; for example, you may see "regionCode": "CA", when your request targets the US state of California. But if your request targets a much narrower scope, such as a CITY, then in the case of Barcelona, the response may contain, "regionCode": "B".
uri	String	The PubMatic internal URI that generated the response; for example, http://api-mgmt.sfo.pubmatic.local/v1/common/geo/275439 . Note that this may not match the URI of your original API call.
metaData	Object	Pagination details ; see example JSON response below .

Filters

The following table details the available Geo filter parameters:

Filter	Description
countryCode	Use to limit the search to a specific country code (ISO 2 characters); for example, <code>filters=countryCode%20eq%20ES</code> .
geoLevel	Use to set the response scope to one of the following: <ul style="list-style-type: none"> • 1 (Country) • 2 (Region) • 3 (City)
name	Search criteria; for example, <code>name%20like%20*spain*</code> .

Sorting

In addition to filtering query results, you can also use the `sort` parameter in your request to sort the response on fields that make sense for you; for example, `sort=geoLevel,name`. See the sample call with JSON response below.

[Example call with filtered and sorted response](#)

```
/*
 * CURL call that sorts the response with: sort=geoLevel,name. Note that <API_KEY> at the thend of the call
 represents your generated PubToken used to authenticate your call with PubMatic; see Getting Started with
 PubMatic APIs.
 */
curl 'https://api.pubmatic.com/v1/common/geo?filters=name%20like%20*celona*&sort=geoLevel,
name&hideInvalid=true&pageNumber=1&pageSize=100&filters=geoLevel%20eq%203&filters=countryCode%20eq%20ES' -H
'Authorization:Bearer <API_KEY>'

// JSON payload response
{
  "items": [
    {
      "city": "Barcelona",
      "country": "Spain",
      "countryCode": "ES",
      "geoLevel": "CITY",
      "geoLevelId": 3,
      "id": 275439,
      "name": "Barcelona",
      "region": "Barcelona",
      "regionCode": "B",
      "uri": "http://api-mgmt.sfo.pubmatic.local/v1/common/geo/275439"
    }
  ],
  "metaData": {
    "endIndex": 1,
    "startIndex": 1,
    "totalRecords": 1
  }
}
```