

# eBird API 2.0

Welcome to the new eBird API Documentation!

The 2.0 APIs are a replacement for [1.1 APIs](#), which are now retired.

All of these APIs (with a few exceptions) will require a key, which is tied to your eBird account. Please [sign up](#) for a key on the eBird website.

The default response format is JSON unless otherwise noted.

The key should be included in a request header called "x-ebirdapitoken". Alternatively, it can be included as a request parameter named 'key'.

NOTE: Any response field with 'ID' in all caps such as 'locID' or 'subID' should be considered deprecated and may be removed in the future. Please let us know if such a response exists where no alternative with lowercase 'id' is available.

## Terms of Use

## Changelog

v3.3.32.4 2021-09-01

- Added familyCode to /ref/taxonomy/ebird response

v3.23 2021-01-21

- Performance fix for 'Historic observations on a date' endpoint
- Previously, a path extension (e.g. '.json') was allowed in some requests to specify the response format. This is no longer supported.

v3.13 2020-12-09

- product/spplist now accepts any regionCode instead of just locIds

v2.07 2020-02-06

- Max distance, if specified, for 'Nearest observations of a species', is now 50km

v2.06 2020-01-29

- latestObsDt and numSpeciesAllTime are now always included in ref/hotspot results regardless of presence of 'back' parameter
- Removed default distance filter for 'Nearest observations of a species', as indicated in docs.

v 2.04 2020-01-21

- subId is now included in the 'simple' detail of all 'data/obs' endpoints

v 2.03

- 'dist' parameter now accepts double precision

## AUTHORIZATION API Key

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Key	x-ebirdapitoken
Value	{{x-ebirdapitoken}}

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# data/obs

The data/obs end-points are used to fetch observations submitted to eBird in checklists. There are two categories of end-point:

1. Fetch observations for a specific country, region or location.
2. Fetch observations for nearby locations - up to a distance of 50km.

Each end-point supports optional query parameters which allow you to filter the list of observations returned.

## AUTHORIZATION API Key

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This folder is using API Key from collection [eBird API 2.0](#)

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## GET Recent observations in a region



<https://api.ebird.org/v2/data/obs/{{regionCode}}/recent>

Get the list of recent observations (up to 30 days ago) of birds seen in a country, state, county, or location. Results include only the most recent observation for each species in the region specified.

### URL parameters

Name	Description
regionCode	The country, subnational1, subnational2 or location code.

### Query parameters

Name	Values	Default	Description
back	1-30	14	The number of days back to fetch observations.
cat	any available <b>category</b>	(all)	Only fetch observations from these taxonomic categories.
hotspot	true, false	false	Only fetch observations from <b>hotspots</b> .
includeProvisional	true, false	false	Include observations which have not yet been reviewed.
maxResults	1-10000	(all)	Only fetch this number of observations.
r	any location code	(none)	Fetch observations from up to 10 locations.
sppLocale	any available <b>locale</b>	en	Use this language for species common names.

## AUTHORIZATION API Key

This request is using API Key from collection **eBird API 2.0**

## GET Recent notable observations in a region



`https://api.ebird.org/v2/data/obs/{{regionCode}}/recent/notable`

Get the list of recent, notable observations (up to 30 days ago) of birds seen in a country, region or location.

Notable observations can be for locally or nationally rare species or are otherwise unusual, e.g. over-wintering birds in a species which is normally only a summer visitor.

### URL parameters

Name	Description
regionCode	The country, subnational1, subnational2 or location code.

### Query parameters

Name	Values	Default	Description
back	1-30	14	The number of days back to fetch observations.
detail	simple, full	simple	Include a subset (simple), or all (full), of the fields available.
hotspot	true, false	false	Only fetch observations from <b>hotspots</b> .
maxResults	1-10000	(all)	Only fetch this number of observations.
r	any location code	(none)	Fetch observations from up to 10 locations.
sppLocale	any available <b>locale</b>	en	Use this language for species common names.

## AUTHORIZATION API Key

This request is using API Key from collection **eBird API 2.0**

## GET Recent observations of a species in a region



`https://api.ebird.org/v2/data/obs/{{regionCode}}/recent/{{speciesCode}}`

Get the recent observations, up to 30 days ago, of a particular species in a country, region or location. Results include only the most recent observation from each location in the region specified.

### URL parameters

Name	Description
regionCode	The country, subnational1, subnational2 or location code.
speciesCode	The eBird species code.

### Query parameters

Name	Values	Default	Description
back	1-30	14	The number of days back to fetch observations.
hotspot	true, false	false	Only fetch observations from <b>hotspots</b> .
includeProvisional	true, false	false	Include observations which have not yet been reviewed.
maxResults	1-10000	(all)	Only fetch this number of observations.
r	any location code	(none)	Fetch observations from up to 10 locations.
sppLocale	any available <b>locale</b>	en	Use this language for species common names.

## Headers

Name	Description
X-eBirdApiToken	Your API key.

## Notes

The species code is typically a 6-letter code, e.g. cangoo for Canada Goose. You can get complete set of species code from the GET eBird Taxonomy end-point.

When using the *r* query parameter set the *regionCode* URL parameter to an empty string.

## AUTHORIZATION API Key

This request is using API Key from collection **eBird API 2.0**

## GET Recent nearby observations



`https://api.ebird.org/v2/data/obs/geo/recent?lat={{lat}}&lng={{lng}}`

Get the list of recent observations (up to 30 days ago) of birds seen at locations within a radius of up to 50 kilometers, from a given set of coordinates. Results include only the most recent observation for each species in the region specified.

## Query parameters

Name	Values	Default	Description
back	1-30	14	The number of days back to fetch observations.
cat	any available <b>category</b>	(all)	Only fetch observations from these taxonomic categories.
dist	0 - 50	25	The search radius from the given position, in kilometers.
hotspot	true, false	false	Only fetch observations from <b>hotspots</b> .
includeProvisional	true, false	false	Include observations which have not yet been reviewed.
lat	-90 - 90		<b>Required.</b> Latitude to 2 decimal places.
lng	-180 - 180		<b>Required.</b> Longitude to 2 decimal places.
maxResults	1-100000	(all)	Only fetch this number

## AUTHORIZATION API Key

This request is using API Key from collection **eBird API 2.0**

## PARAMS

lat {{lat}}

lng {{lng}}

## GET Recent nearby observations of a species



<https://api.ebird.org/v2/data/obs/geo/recent/{{speciesCode}}?lat={{lat}}&lng={{lng}}>

Get all observations of a species, seen up to 30 days ago, at any location within a radius of up to 50 kilometers, from a given set of coordinates. Results include only the most recent observation from each location in the region specified.

## URL parameters

Name	Description
speciesCode	The eBird species code.

## Query parameters

Name	Values	Default	Description
back	1-30	14	The number of days back to fetch observations.
dist	0 - 50	25	The search radius from the given position, in kilometers.
hotspot	true, false	false	Only fetch observations from <b>hotspots</b> .
includeProvisional	true, false	false	Include observations which have not yet been reviewed.
lat	-90 - 90		<b>Required.</b> Latitude to 2 decimal places.
lng	-180 - 180		<b>Required.</b> Longitude to 2 decimal places.
maxResults	1-10000	(all)	Only fetch this number of observations.
sppLocale	any available <b>locale</b>	en	Use this language for species common

## Notes

The species code is typically a 6-letter code, e.g. horlar for Horned Lark. You can get complete set of species code from the GET eBird Taxonomy end-point.

## AUTHORIZATION API Key

This request is using API Key from collection **eBird API 2.0**

## PARAMS

lat {{lat}}

lng {{lng}}

# GET   Nearest observations of a species



https://api.ebird.org/v2/data/nearest/geo/recent/{{speciesCode}}?lat={{lat}}&lng={{lng}}

Find the nearest locations where a species has been seen recently.

## URL parameters

Name	Description
speciesCode	The eBird species code.

## Query parameters

Name	Values	Default	Description
back	1-30	14	The number of days back to fetch observations.
hotspot	true, false	false	Only fetch observations from <b>hotspots</b> .
includeProvisional	true, false	false	Include observations which have not yet been reviewed.
lat	-90 - 90		<b>Required.</b> Latitude to 2 decimal places.
lng	-180 - 180		<b>Required.</b> Longitude to 2 decimal places.
maxResults	1-3000	3000	Only fetch up to this number of observations.
sppLocale	any available <b>locale</b>	en	Use this language for species common names.
dist	0-50	(all)	Only fetch observations within this distance of

## Notes

The species code is typically a 6-letter code, e.g. barswa for Barn Swallow. You can get complete set of species code from the GET eBird Taxonomy end-point.

## AUTHORIZATION   API Key

This request is using API Key from collection **eBird API 2.0**

## PARAMS



lat {{lat}}

lng {{lng}}

## GET Recent nearby notable observations



<https://api.ebird.org/v2/data/obs/geo/recent/notable?lat={{lat}}&lng={{lng}}>

Get the list of notable observations (up to 30 days ago) of birds seen at locations within a radius of up to 50 kilometers, from a given set of coordinates.

Notable observations can be for locally or nationally rare species or are otherwise unusual, for example over-wintering birds in a species which is normally only a summer visitor.

### Query parameters

Name	Values	Default	Description
back	1-30	14	The number of days back to fetch observations.
detail	simple, full	simple	Include a subset (simple), or all (full), of the fields available.
dist	0 - 50	25	The search radius from the given position, in kilometers.
hotspot	true, false	false	Only fetch observations from <b>hotspots</b> .
lat	-90 - 90		<b>Required.</b> Latitude to 2 decimal places.
lng	-180 - 180		<b>Required.</b> Longitude to 2 decimal places.
maxResults	1-10000	(all)	Only fetch this number of observations.
sppLocale	any available <b>locale</b>	en	Use this language for species common

### AUTHORIZATION API Key

This request is using API Key from collection **eBird API 2.0**

## PARAMS

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lat	{{lat}}
lng	{{lng}}

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## GET Historic observations on a date



https://api.ebird.org/v2/data/obs/{{regionCode}}/historic/{{y}}/{{m}}/{{d}}

Get a list of all taxa seen in a country, region or location on a specific date, with the specific observations determined by the "rank" parameter (defaults to latest observation on the date).

### URL parameters

Name	Description
regionCode	The country, subnational1, subnational2 or location code.
year	The year, from 1800 to the present.
month	The month, from 1 -12.
day	The day in the month.

### Query parameters

Name	Values	Default	Description
cat	any available <b>category</b>	(all)	Only fetch observations from these taxonomic categories.
detail	simple, full	simple	Include a subset (simple), or all (full), of the fields available.
hotspot	true, false	false	Only fetch observations from <b>hotspots</b> .
includeProvisional	true, false	false	Include observations which have not yet been reviewed.
maxResults	1-10000	(all)	Only fetch this number of observations.
rank	mrec, create	mrec	Include latest observation of the day, or the first added
r	any location code	(none)	Fetch observations from up to 50 locations.
spnLocale	any available <b>locale</b>	en	Use this language for

## Notes

Responses may be cached for 30 minutes

## AUTHORIZATION API Key

This request is using API Key from collection **eBird API 2.0**

# product

The product end-points make it easy to get the information shown in various pages on the eBird web site:

1. The Top 100 contributors on a given date.
2. The checklists submitted on a given date.
3. The most recent checklists submitted.
4. A summary of the checklists submitted on a given date.
5. The details and all the observations of a checklist.

## AUTHORIZATION API Key

## GET Top 100



`https://api.ebird.org/v2/product/top100/{{regionCode}}/{{y}}/{{m}}/{{d}}`

Get the top 100 contributors on a given date for a country or region.

### URL parameters

Name	Description
regionCode	The country, subnational1, or location code.
year	The year, from 1800 to the present.
month	The month, from 1 -12.
day	The day in the month.

### Query parameters

Name	Values	Default	Description
rankedBy	spp, cl	spp	Order by number of complete checklists (cl) or by number of species seen (spp).
maxResults	1 - 100	(all)	Only fetch this number of contributors.

### Notes

The results are updated every 15 minutes.

When ordering by the number of completed checklists, the number of species seen will always be zero. Similarly when ordering by the number of species seen the number of completed checklists will always be zero.

### Selected Response Field Notes

profileHandle - if a user has enabled their profile, this is the handle to reach it via `ebird.org/ebird/profile/{profileHandle}`

numSpecies - always zero when checklistSort parameter is true. Invalid observations ARE included in this total

numCompleteChecklists - always zero when checklistSort parameter is false

## AUTHORIZATION API Key

## GET Recent checklists feed



`https://api.ebird.org/v2/product/lists/{{regionCode}}`

Get information on the most recently submitted checklists for a region.

### URL parameters

Name	Description
regionCode	The country, subnational1, subnational2 or location code.

### Query parameters

Name	Values	Default	Description
maxResults	1 - 200	10	Only fetch this number of checklists.

## AUTHORIZATION API Key

This request is using API Key from collection [eBird API 2.0](#)

## GET Checklist feed on a date



`https://api.ebird.org/v2/product/lists/{{regionCode}}/{{y}}/{{m}}/{{d}}`

Get information on the checklists submitted on a given date for a country or region.

### URL parameters

Name	Description
regionCode	The country, subnational1, subnational2 or location code.
year	The year, from 1800 to the present.
month	The month, from 1 -12.
day	The day in the month.

### Query parameters

Name	Values	Default	Description
sortKey	obs_dt, creation_dt	obs_dt	Order the results by the date of the checklist or by the date it was submitted.
maxResults	1 - 200	10	Only fetch this number of checklists.

## AUTHORIZATION API Key

This request is using API Key from collection **eBird API 2.0**

## GET Regional statistics on a date



`https://api.ebird.org/v2/product/stats/{{regionCode}}/{{y}}/{{m}}/{{d}}`

Get a summary of the number of checklist submitted, species seen and contributors on a given date for a country or region.

### URL parameters

Name	Description
regionCode	The country, subnational1, subnational2 or location code.
year	The year, from 1800 to the present.
month	The month, from 1 -12.
day	The day in the month.

### Notes

The results are updated every 15 minutes.

## AUTHORIZATION API Key

This request is using API Key from collection **eBird API 2.0**

## GET Species List for a Region



`https://api.ebird.org/v2/product/specieslist/{{regionCode}}`

https://api.ebird.org/v2/product/splist/{{regionCode}}

Get a list of species codes ever seen in a region, in taxonomic order (species taxa only)

### URL parameters

Name	Description
regionCode	Any location, USFWS region, subnational2, subnational1, country, or custom region code

### Notes

The results are usually updated every 10 seconds for locations, every day for larger regions.

### AUTHORIZATION API Key

This request is using API Key from collection [eBird API 2.0](#)

## GET View Checklist



https://api.ebird.org/v2/product/checklist/view/{{subId}}

Get the details and observations of a checklist.

### URL parameters

Name	Description
subId	The checklist identifier.

### Notes

Do NOT use this to download large amounts of data. You will be banned if you do.

In the fields for each observation, the following fields are duplicates or obsolete and will be removed at a future date: *howManyAtleast*, *howManyAtmost*, *hideFlags*, *projId*, *subId*, *subnational1Code* and *present*.

### AUTHORIZATION API Key

This request is using API Key from collection [eBird API 2.0](#)

## ref/geo

With the ref/geo end-point you can find a country's or region's neighbours.

## AUTHORIZATION API Key

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This folder is using API Key from collection [eBird API 2.0](#)

### GET Adjacent Regions



`https://api.ebird.org/v2/ref/adjacent/{{regionCode}}`

Get the list of countries or regions that share a border with this one.

#### URL parameters

Name	Description
regionCode	The country, subnational1 or subnational2 code.

#### Notes

Only subnational2 codes in the United States, New Zealand, or Mexico are currently supported

## AUTHORIZATION API Key

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This request is using API Key from collection [eBird API 2.0](#)

## ref/hotspot

With the ref/hotspot end-points you can find the hotspots for a given country or region or nearby hotspots

## AUTHORIZATION API Key

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This folder is using API Key from collection [eBird API 2.0](#)

### GET Hotspots in a region



`https://api.ebird.org/v2/ref/hotspot/{{regionCode}}`

#### URL parameters

Name	Description
regionCode	The country, subnational1 or subnational2 code.



## Query parameters

Name	Values	Default	Description
back	1-30	(none)	Only fetch hotspots which have been visited up to 'back' days ago.
fmt	csv, json	csv	Fetch the records in CSV or JSON format.

## AUTHORIZATION API Key

This request is using API Key from collection [eBird API 2.0](#)

## GET Nearby hotspots



`https://api.ebird.org/v2/ref/hotspot/geo?lat={{lat}}&lng={{lng}}`

Get the list of hotspots, within a radius of up to 50 kilometers, from a given set of coordinates.

## Query parameters

Name	Values	Default	Description
back	1-30	(none)	Only fetch hotspots which have been visited up to 'back' days ago.
dist	0 - 500	25	The search radius from the given position, in kilometers.
fmt	csv, json	csv	Fetch the records in CSV or JSON format.
lat	-90 - 90		<b>Required.</b> Latitude to 2 decimal places.
lng	-180 - 180		<b>Required.</b> Longitude to 2 decimal places.

## AUTHORIZATION API Key

This request is using API Key from collection [eBird API 2.0](#)

## PARAMS

lat {{lat}}

lng {{lng}}

## GET Hotspot Info



https://api.ebird.org/v2/ref/hotspot/info/{{locId}}

Get information on the location of a hotspot.

### URL parameters

Name	Description
locId	The location code.

### Notes

This API call only works for hotspots. If you pass the location code for a private location or an invalid location code then an HTTP 410 (Gone) error is returned.

### AUTHORIZATION API Key

This request is using API Key from collection [eBird API 2.0](#)

## ref/taxonomy

## GET eBird Taxonomy

https://api.ebird.org/v2/ref/taxonomy/ebird

Get the taxonomy used by eBird.

### Query parameters

Name	Values	Default	Description
cat	any available <b>category</b> , must be lowercase	(all)	Only fetch records from these taxonomic categories.
fmt	csv, json	csv	Fetch the records in CSV or JSON format.
locale	any available <b>locale</b>	en	Use this language for common names.
species	any species code	(none)	Only fetch records for these species.
version	any available version	(latest)	Fetch a specific version of the taxonomy.

### Notes

Each entry in the taxonomy contains a species code for example, barswa for Barn Swallow. You can download the taxonomy for selected species using the *species* query parameter with a comma separating each code. Otherwise the full taxonomy is downloaded.

## GET Taxonomic Forms



`https://api.ebird.org/v2/ref/taxon/forms/{{speciesCode}}`

For a species, get the list of subspecies recognised in the taxonomy. The results include the species that was passed in.

### URL parameters

Name	Description
speciesCode	The species code from the taxonomy.

### AUTHORIZATION API Key

Key	x-ebirdapitoken
Value	{{x-ebirdapitoken}}

## GET Taxa Locale Codes



Returns the list of supported locale codes and names for species common names, with the last time they were updated. Use the accept-language header to get translated language names when available.

NOTE: The locale codes and names are stable but the other fields in this result are not yet finalized and should be used with caution.

AUTHORIZATION API Key

Key	x-ebirdapitoken
Value	{{x-ebirdapitoken}}

HEADERS

Accept-Language	en
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GET Taxonomy Versions

https://api.ebird.org/v2/ref/taxonomy/versions

Returns a list of all versions of the taxonomy, with a flag indicating which is the latest.

GET Taxonomic Groups

https://api.ebird.org/v2/ref/sppgroup/{{speciesGrouping}}

Get the list of species groups, e.g. terns, finches, etc.

URL parameters

Name	Description
speciesGrouping	Select the order in which groups are returned, either 'merlin' or 'ebird'.

Query parameters

Name	Values	Default	Description
groupNameLocale	bg,cs,da,de,en,es,es_AR,es_CL,es_CU,es_ES,es_MX,es_PA,fr,he,is,nl,no,pt_BR,pt_PT,ru,sr,th,tr, or zh	en	Locale for species group names. English names are returned for any non-listed locale or any non-translated group name

**Notes**

Merlin puts like birds together, with Falcons next to Hawks, whereas eBird follows taxonomic order.

# ref/region

The ref/region end-points return information on regions.

**AUTHORIZATION** API Key

This folder is using API Key from collection [eBird API 2.0](#)

**GET** Region Info



https://api.ebird.org/v2/ref/region/info/{{regionCode}}

Get information on the name and geographical area covered by a region.

**URL parameters**

Name	Description
regionCode	The major region, country, subnational1 or subnational2 code, or locId

**Query parameters**

Name	Values	Default	Description
regionNameFormat	detailed, detailednoqual, full, namequal, nameonly, revdetailed	full	Control how the name is displayed.
delim	(any characters)	','	The characters used to separate elements in

		separate elements in the name.
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### Notes

Taking Madison County, New York, USA (location code US-NY-053) as an example the various values for the `regionNameFormat` query parameter work as follows:

Value	Description	Result
<code>detailed</code>	return a detailed description	Madison County, New York, US
<code>detailednoqual</code>	return the name to the subnational1 level	Madison, New York
<code>full</code>	return the full description	Madison, New York, United States
<code>namequal</code>	return the qualified name	Madison County
<code>nameonly</code>	return only the name of the region	Madison
<code>revdetailed</code>	return the detailed description in reverse	US, New York, Madison County

### AUTHORIZATION API Key

This request is using API Key from collection [eBird API 2.0](#)

## GET Sub Region List



`https://api.ebird.org/v2/ref/region/list/{regionType}/{parentRegionCode}`

Get the list of sub-regions for a given country or region.

### Query parameters

Name	Values	Default	Description
<code>fmt</code>	<code>csv</code> , <code>json</code>	<code>json</code>	Fetch the records in CSV or JSON format.

### URL parameters

Name	Description
<code>regionType</code>	The region type: 'country', 'subnational1' or 'subnational2'.
<code>parentRegionCode</code>	The country or subnational1 code, or 'world'.

### Notes

NOTES

Not all combinations of region type and region code are valid. You can fetch all the subnational1 or subnational2 regions for a country however you can only specify a region type of 'country' when using 'world' as a region code.

## AUTHORIZATION API Key

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This request is using API Key from collection [eBird API 2.0](#)