**API documentation**

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# News API

## API key

b716b5aae45d4984b9137e175d08d017

## Attribution link

<https://newsapi.org/>

## General

HTTP REST API for searching and retrieving live articles from the web.

Can search by date published – can get the datetime then use that as a parameter to search.

Supports C#, python, Ruby, Node.js.

Does not support Java or PHP yet.

<https://newsapi.org/docs/client-libraries> Link to client libraries, use these to install relevant libraries.

## API key embedding

You can attach your API key to a request in one of three ways:

* Via the apiKey querystring parameter.
* Via the X-Api-Key HTTP header.
* Via the Authorization HTTP header. Bearer optional, do not base 64 encode.

We strongly recommend the either of latter 2 so that your API key isn't visible to others in logs or request sniffing.

If you don't append your API key correctly, or your API key is invalid, you will receive a 401 - Unauthorized HTTP error.

## Endpoints

We also have a minor endpoint that can be used to retrieve a small subset of the publishers we index from:

* [Sources](https://newsapi.org/docs/endpoints/sources) /v2/sources - returns information (including name, description, and category) about the most notable sources we index. This list could be piped directly through to your users when showing them some of the options available.

## Top headlines/v2/top-headlines

This endpoint provides live top and breaking headlines for a country, specific category in a country, single source, or multiple sources. You can also search with keywords. Articles are sorted by the earliest date published first.

This endpoint is great for retrieving headlines for display on news tickers or similar.

[https://newsapi.org/v2/top-headlines?**country=us**&apiKey=API\_KEY](https://newsapi.org/v2/top-headlines?country=us&apiKey=API_KEY)

## Alt request parameters and responses

URL link to the extra parameters and HTTP addresses to call the API with the alt parameters that allow us to get the data:

Top-headlines will get us all the relevant headlines and descriptions that we want <https://newsapi.org/docs/endpoints/top-headlines>

Everything will get us all breaking and lesser articles that we want <https://newsapi.org/docs/endpoints/everything>

Sources may not be relevant for use as it returns the subset of news publishers that headlines are available from <https://newsapi.org/docs/endpoints/sources>

## Errors and codes

### HTTP status codes summary

* 200 - OK. The request was executed successfully.
* 400 - Bad Request. The request was unacceptable, often due to a missing or misconfigured parameter.
* 401 - Unauthorized. Your API key was missing from the request, or wasn't correct.
* 429 - Too Many Requests. You made too many requests within a window of time and have been rate limited. Back off for a while.
* 500 - Server Error. Something went wrong on our side.

### Error codes

When an HTTP error is returned we populate the code and message properties in the response containing more information. Here are the possible options:

* apiKeyDisabled - Your API key has been disabled.
* apiKeyExhausted - Your API key has no more requests available.
* apiKeyInvalid - Your API key hasn't been entered correctly. Double check it and try again.
* apiKeyMissing - Your API key is missing from the request. Append it to the request with [one of these methods](https://newsapi.org/docs/authentication).
* parameterInvalid - You've included a parameter in your request which is currently not supported. Check the message property for more details.
* parametersMissing - Required parameters are missing from the request and it cannot be completed. Check the message property for more details.
* rateLimited - You have been rate limited. Back off for a while before trying the request again.
* sourcesTooMany - You have requested too many sources in a single request. Try splitting the request into 2 smaller requests.
* sourceDoesNotExist - You have requested a source which does not exist.
* unexpectedError - This shouldn't happen, and if it does then it's our fault, not yours. Try the request again shortly.

# Spotify API

## General

Recommendations are generated based on the available information for a given seed entity and matched against similar artists and tracks. If there is sufficient information about the provided seeds, a list of tracks will be returned together with pool size details.

For artists and tracks that are very new or obscure there might not be enough data to generate a list of tracks.

## Endpoint

GET https://api.spotify.com/v1/recommendations

## Minimal required for usage

We need to allow the API access to a Spotify account, code example:

curl -X "GET" "https://api.spotify.com/v1/recommendations?limit=1&seed\_tracks=0c6xIDDpzE81m2q797ordA" -H "Accept: application/json" -H "Content-Type: application/json" -H "Authorization: Bearer BQDBaQYmYSwZh3e9-v1K259f-NVRQV3BUxgww-rcZq7Y4xny13mzqKJ8RdtH83Vk53Bsg5rNBajlwHq\_4DuDVRLq4WesuLXZRte6jv2QLqwX8K03muuCHZamH7DSs7Q0mGMsiX0V9OEvjBo-WY9jfJaBjV84OvhSnWLhKjBH"

Required an OAuth token and a track\_seed, also used the recommendations endpoint.

Another example:

curl -X GET "https://api.spotify.com/v1/recommendations?seed\_artists=4NHQUGzhtTLFvgF5SZesLK&seed\_tracks=0c6xIDDpzE81m2q797ordA&min\_energy=0.4&min\_popularity=50&market=US" -H "Authorization: Bearer {your access token}"

## Extra parameters

|  |  |
| --- | --- |
| seed\_artists | A comma separated list of [Spotify IDs](https://developer.spotify.com/documentation/web-api/#spotify-uris-and-ids) for seed artists. Up to 5 seed values may be provided in any combination of seed\_artists, seed\_tracks and seed\_genres. |
| seed\_genres | A comma separated list of any genres in the set of [available genre seeds](https://developer.spotify.com/documentation/web-api/reference/browse/get-recommendations/#available-genre-seeds). Up to 5 seed values may be provided in any combination of seed\_artists, seed\_tracks and seed\_genres. |
| seed\_tracks | A comma separated list of [Spotify IDs](https://developer.spotify.com/documentation/web-api/#spotify-uris-and-ids) for a seed track. Up to 5 seed values may be provided in any combination of seed\_artists, seed\_tracks and seed\_genres. |
| limit | Optional. The target size of the list of recommended tracks. For seeds with unusually small pools or when highly restrictive filtering is applied, it may be impossible to generate the requested number of recommended tracks. Debugging information for such cases is available in the response. Default: 20. Minimum: 1. Maximum: 100. |

## API output

|  |  |  |
| --- | --- | --- |
| Seeds | Array | An array of [recommendation seed objects](https://developer.spotify.com/documentation/web-api/reference/object-model/#recommendations-seed-object) |
| Tracks | Array | An array of [track object (simplified)](https://developer.spotify.com/documentation/web-api/reference/object-model/#track-object-simplified) ordered according to the parameters supplied. |

## Authorization

The app will possibly need access to an account which will require authorization to use, there is a quick start link on Spotify developers sit. This provides all code for us to use and hopefully be successful.

<https://developer.spotify.com/documentation/general/guides/authorization-guide/>