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API Documentation

The mediastack API was built to provide a powerful, scalable yet easy-to-use REST API interface delivering worldwide live and historical news data in handy JSON format. The API comes with a single news HTTP GET endpoint along with a series of parameters and options you can use to narrow down your news data results. Among other options, you can filter by dates and timeframes, countries, languages, sources and search keywords.

To get started right away, you can either jump to our 3-Step Quickstart Guide using the button above or scroll down and learn how to authenticate with the mediastack API. If you do not have an account yet, please make sure to [get a free API key](#) now to start testing the API and retrieve your first news article.

Getting Started

API Authentication

To make an API request, you will need an API access key and authenticate with the API by attaching the access_key GET parameter to the base URL and set it to your unique access key. Find below an example request.

Example API Request:

```
Run API Requesthttp://api.mediastack.com/v1/news
? access_key = 00b96f0bd8cbe381514864dab89e1ba6
```

A unique API access key is generated for each mediastack account, and it usually never changes. There can only ever be one API access key at a time per account. If you need to re-generate your key, you can do so by logging in to your [account dashboard](#).

Keep your key safe: To avoid abuse of your mediastack account, please keep your API access key safe, do not use it in client-side applications and do not publish it anywhere.

256-bit HTTPS Encryption Available on: Standard Plan and higher

To connect to the mediastack API using 256-bit HTTPS (SSL) encryption, you will need to be subscribed to the Standard Plan or higher. If you are on the Free Plan, please note that you will be limited to HTTP connections.

Example API Request:

```
https://api.mediastack.com/v1
```

API Errors

If your API request was unsuccessful, you will receive a JSON error in the format outlined below, carrying code, message and context response objects in order to

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Common API Errors:

Type	Description
invalid_access_key	An invalid API access key was supplied.
missing_access_key	No API access key was supplied.
inactive_user	The given user account is inactive.
https_access_restricted	HTTPS access is not supported on the current subscription plan.
function_access_restricted	The given API endpoint is not supported on the current subscription plan.
invalid_api_function	The given API endpoint does not exist.
404_not_found	Resource not found.
usage_limit_reached	The given user account has reached its monthly allowed request volume.
rate_limit_reached	The given user account has reached the rate limit.
internal_error	An internal error occurred.

API Features

Live News Available on: All plans

The full set of available real-time news articles can be accessed using a simple API request to the mediastack API's news endpoint. Below you will find an example API request as well as a series of optional parameters you can use to filter your news results.

Delayed news on Free Plan: Please note that account subscribed to the Free Plan will receive live news only with a 30-minute delay. To lift this limitation and get news in real-time, please [sign up](#) or [upgrade](#) to the Standard Plan or higher.

Example API Request:

```
Run API Requesthttp://api.mediastack.com/v1/news
? access_key = 00b96f0bd8cbe381514864dab89e1ba6
& keywords = tennis
& countries = us, gb, de
```

HTTP GET Request Parameters:

Object	Description
access_key	[Required] Use this parameter to specify your unique API access key, which is shown when you log in to your account dashboard .
sources	[Optional] Use this parameter to include or exclude one or multiple comma-separated news sources. Example: To include CNN, but exclude BBC: &sources=cnn,-bbc
categories	[Optional] Use this parameter to include or exclude one or multiple comma-separated news categories. Example: To include business, but exclude sports: &sources=business,-sports. Available categories: View all supported categories
countries	[Optional] Use this parameter to include or exclude one or multiple comma-separated countries. Example: To include Australia, but exclude the US: &sources=au,-us. Available countries: See all supported countries
languages	[Optional] Use this parameter to include or exclude one or multiple comma-separated languages. Example: To include English, but exclude German: &sources=en,-de. Available languages: View all supported languages
keywords	[Optional] Use this parameter to search for sentences, you can also exclude words that you do not want to appear in your search results. Example: To search for "New movies 2021" but exclude "Matrix": &sources=new movies 2021 -matrix
date	[Optional] Use this parameter to specify a date or date range. Example: &date=2020-01-01 for news on Jan 1st and &date=2020-12-24,2020-12-31 for news between Dec 24th and 31st.
sort	[Optional] Use this parameter to specify a sorting order. Available values: published_desc (default), published_asc, popularity
limit	[Optional] Use this parameter to specify a pagination limit (number of results per page) for your API request. Default limit value is 25, maximum allowed limit value is 100.

Object**Description**

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```

    "title": "Rafael Nadal Pulls Out Of U.S. Open Over COVID-19 Concerns",
    "description": "Rafael Nadal is officially OUT of the U.S. Open ... the tennis legend said Tuesday it's just too damn unsafe for him to",
    "url": "https://www.tzm.com/2020/08/04/rafael-nadal-us-open-tennis-covid-19-concerns/",
    "source": "TMZ.com",
    "image": "https://imagez.tzm.com/image/fa/4by3/2020/08/04/fad55ee236fc4033ba324e941bb8c8b7_md.jpg",
    "category": "general",
    "language": "en",
    "country": "us",
    "published_at": "2020-08-05T05:47:24+00:00"
  },
  [...]
]
}

```

API Response Objects:

Response Object	Description
pagination > limit	Returns your pagination limit value.
pagination > offset	Returns your pagination offset value.
pagination > count	Returns the results count on the current page.
pagination > total	Returns the total count of results available.
data > author	Returns the name of the author of the given news article.
data > title	Returns the title text of the given news article.
data > description	Returns the description text of the given news article.
data > url	Returns the URL leading to the given news article.
data > image	Returns an image URL associated with the given news article.
data > category	Returns the category associated with the given news article.
data > language	Returns the language the given news article is in.
data > country	Returns the country code associated with the given news article.
data > published_at	Returns the exact time stamp the given news article was published.

Empty Data: Please note that if no results are found for your specific query, the data object will contain no results.

Historical News Available on: Standard Plan and higher

If you are subscribed to the Standard Plan or higher, you will be able to access historical news data by specifying a historical date using the API's date parameter in YYYY-MM-DD format. Find an example request below.

Example API Request:

```

Run API Request http://api.mediastack.com/v1/news
? access_key = 00b96f0bd8cbe381514864dab89e1ba6
& date = 2020-07-17

```

HTTP GET Request Parameters:

Object	Description
access_key	[Required] Use this parameter to specify your unique API access key, which is shown when you log in to your account dashboard .
date	[Required] Use this parameter to specify your historical date or date range. Example: &date=2020-01-01 for news on Jan 1st and &date=2020-12-24,2020-12-31 for news between Dec 24th and 31st.
sources	[Optional] Use this parameter to include or exclude one or multiple comma-separated news sources. Example: To include CNN, but exclude BBC: &sources=cnn,-bbc
categories	[Optional] Use this parameter to include or exclude one or multiple comma-separated news categories. Example: To include business, but exclude sports: &sources=business,-sports. Available categories: View all supported categories

Object	Description
<div><ul style="list-style-type: none">PricingDocumentationNews SourcesAffiliatesBlogStatusDashboard</div>	
<pre>{ "pagination": { "limit": 100, "offset": 0, "count": 100, "total": 293 }, "data": [{ "author": "CNN Staff", "title": "This may be the big winner of the market crash", "description": "This may be the big winner of the market crash", "url": "http://rss.cnn.com/~r/rss/cnn_topstories/~3/KwE80_jkKo8/a-sa-dd-3", "source": "CNN", "image": "https://cdn.cnn.com/cnnnext/dam/assets/150325082152-social-gfx-cnn-logo-super-169.jpg", "category": "general", "language": "en", "country": "us", "published_at": "2020-07-17T23:35:06+00:00" }, [...]] }</pre>	

API Response Objects:

Response Object	Description
pagination > limit	Returns your pagination limit value.
pagination > offset	Returns your pagination offset value.
pagination > count	Returns the results count on the current page.
pagination > total	Returns the total count of results available.
data > author	Returns the name of the author of the given news article.
data > title	Returns the title text of the given news article.
data > description	Returns the description text of the given news article.
data > url	Returns the URL leading to the given news article.
data > image	Returns an image URL associated with the given news article.
data > category	Returns the category associated with the given news article.
data > language	Returns the language the given news article is in.
data > country	Returns the country code associated with the given news article.
data > published_at	Returns the exact time stamp the given news article was published.

News Sources Available on: All plans

Using the sources endpoint together with a series of search and filter parameters you will be able to search all news sources supported by the mediastack API. The API will return all source metadata available, including the source ID required to define sources when requesting live or historical news.

Example API Request:

```
Run API Requesthttp://api.mediastack.com/v1/sources
? access_key = 00b96f0bd8cbe381514864dab89e1ba6
& search = abc
```

HTTP GET Request Parameters:

Object	Description
access_key [Required]	Use this parameter to specify your unique API access key, which is shown when you log in to your account dashboard .

Object	Description
<ul style="list-style-type: none">PricingDocumentationNews SourcesAffiliatesBlogStatusDashboard	<pre>{ "total": 1364 }, "data": [{ "id": "abc-au", "name": "ABC AU", "category": "general", "country": "au", "language": "en", "url": "http://abc.net.au/" }, [...]] }</pre>

API Response Objects:

Response Object	Description
pagination > limit	Returns your pagination limit value.
pagination > offset	Returns your pagination offset value.
pagination > count	Returns the results count on the current page.
pagination > total	Returns the total count of results available.
data > id	Returns the source ID of the given news source. This is also the ID you need to pass to the API's sources parameter when requesting live or historical news data.
data > name	Returns the name of the given news source.
data > category	Returns the category associated with the given news source.
data > country	Returns the country associated with the given news source.
data > language	Returns the language associated with the given news source.
data > url	Returns a URL leading to the given news source.

Options & Parameters

Specify Sources Available on: All plans

When making a news data API request, you can filter down your results by news sources. To do that you will need to attach the sources parameter to your API request URL and set it to one or multiple news source values. As you can see in the example below, it is also possible to exclude specific news sources by prepending them with a - symbol.

Example API Request:

```
Run API Requesthttp://api.mediastack.com/v1/news
? access_key = 00b96f0bd8cbe381514864dab89e1ba6
& sources = cnn,-bbc
```

Example API Response:

Need to see how an API response looks like? [Jump to one of our example API responses above.](#)

Specify Categories Available on: All plans

You can also filter news articles by category. To do this, simply attach the API's categories parameter and set it to one or multiple comma-separated values. As with other parameters, you can also exclude categories by prepending a - symbol.

Available News Categories:

- general - Uncategorized News
- business - Business News

- [entertainment](#) - Entertainment News

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You can also filter news articles by country. To do this, simply attach the API's `countries` parameter and set it to one or multiple comma-separated 2-letter country codes. As with other parameters, you can also exclude countries by prepending a `-` symbol. You can browse all supported countries [here](#).

Example API Request:

```
Run API Requesthttp://api.mediastack.com/v1/news
? access_key = 00b96f0bd8cbe381514864dab89e1ba6
& countries = au,-us
```

Example API Response:

Need to see how an API response looks like? [Jump to one of our example API responses above](#).

Specify Languages Available on: All plans

You can also filter news articles by language. To do this, simply attach the API's `languages` parameter and set it to one or multiple comma-separated 2-letter language codes. As with other parameters, you can also exclude languages by prepending a `-` symbol.

Available Languages:

- `ar` - Arabic
- `de` - German
- `en` - English
- `es` - Spanish
- `fr` - French
- `he` - Hebrew
- `it` - Italian
- `nl` - Dutch
- `no` - Norwegian
- `pt` - Portuguese
- `ru` - Russian
- `se` - Swedish
- `zh` - Chinese

Example API Request:

```
Run API Requesthttp://api.mediastack.com/v1/news
? access_key = 00b96f0bd8cbe381514864dab89e1ba6
& languages = en,-de
```

Example API Response:

Need to see how an API response looks like? [Jump to one of our example API responses above](#).

Search Keywords Available on: All plans

To narrow down your search for articles even more, you can specify one or multiple comma-separated search keywords. As with other parameters, you can also exclude keywords by prepending a `-` symbol. Find a few clarifications about this parameter below.

Clarifications:

- `& keywords = food industry` - Search for keyword "food industry"
- `& keywords = food industry, meat` - Search for keywords "food industry" and "meat"
- `& keywords = food industry, -meat` - Search for keywords "food industry", but exclude "meat"
- `& keywords = -food industry, -meat` - Search for all news, excluding "food industry" and "meat"
- `& keywords = a-plus` - Search for keyword "a-plus"
- `& keywords = a, -plus` - Search for keyword "a", but exclude "plus"

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```
$queryString = http_build_query([
    'access_key' => 'ACCESS_KEY',
    'keywords' => 'Wall street -wolf', // the word "wolf" will be
    'categories' => '-entertainment',
    'sort' => 'popularity',
]);

$ch = curl_init(sprintf('%s%s', 'https://api.mediastack.com/v1/news', $queryString));
curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);

$json = curl_exec($ch);

curl_close($ch);

$apiResult = json_decode($json, true);

print_r($apiResult);
```

Code Example - Python

```
# Python 3
import http.client, urllib.parse

conn = http.client.HTTPConnection('api.mediastack.com')

params = urllib.parse.urlencode({
    'access_key': 'ACCESS_KEY',
    'categories': '-general,-sports',
    'sort': 'published_desc',
    'limit': 10,
})

conn.request('GET', '/v1/news?{}'.format(params))

res = conn.getresponse()
data = res.read()

print(data.decode('utf-8'))
```

Code Example - jQuery

```
$.ajax({
    url: 'https://api.mediastack.com/v1/news',
    data: {
        access_key: 'ACCESS_KEY',
        languages: 'fr,-en',
        countries: 'ca,fr',
        limit: 30,
        offset: 30,
    }
}).done(function(data) {
    console.log(JSON.parse(data));
});
```

Code Example - Go

```
package main

import (
    "fmt"
    "net/http"
    "net/url"
    "io/ioutil"
)

func main() {
    // ...

    params.Add("languages", "-en") // It will exclude english results

    baseURL.RawQuery = params.Encode()

    req, _ := http.NewRequest("GET", baseURL.String(), nil)

    res, _ := http.DefaultClient.Do(req)

    defer res.Body.Close()

    body, _ := ioutil.ReadAll(res.Body)

    fmt.Println(string(body))
}
```

Code Example - Ruby

```
require 'uri'
require 'net/http'

uri = URI('https://api.mediastack.com/v1/news')

params = {
  'access_key' => 'ACCESS_KEY',
  'keywords' => 'Wall street -wolf',
  'categories' => '-entertainment',
  'sort' => 'popularity',
}

uri.query = URI.encode_www_form(params)

response = Net::HTTP.get_response(uri)

puts response.read_body
```

Business Continuity - API Overages

Ensuring our customers achieve success is paramount to what we do at APILayer. For this reason, we will be rolling out our Business Continuity plan guaranteeing your end users will never see a drop in coverage. Every plan has a certain amount of API calls that you can make in the given month. However, we would never want to cut your traffic or impact user experience negatively for your website or application in case you get more traffic.

What is an overage?

An overage occurs when you go over a quota for your API plan. When you reach your API calls limit, we will charge you a small amount for each new API call so we can make sure there will be no disruption in the service we provide to you and your website or application can continue running smoothly.

Prices for additional API calls will vary based on your plan. See table below for prices per call and example of an overage billing.

Plan Name	Monthly Price	Number of Calls	Overage Price per call	Overage Total price
Standard	\$24.9	10,000	0.0037485	2000 \$32.49
Professional	\$99.99	50,000	0.0029997	10,000 \$129.99
Business	\$249.99	250,000	0.00149994	50,000 \$324.99

Why does APILayer have overage fees?

Overage fees allow developers to continue using an API once a quota limit is reached and give them time to upgrade their plan based on projected future use while ensuring API providers get paid for higher usage.

How do I know if I will be charged for overages?

-

Upgrade your APIPlayer subscription with our exclusive Platinum Support, an exceptional offering designed to enhance your business' API management journey. With Platinum Support, you gain access to a host of premium features that take your support experience to a whole new level.

	Standard Support	Platinum Support
--	-------------------------	-------------------------

Unlimited Communication: Communication is key, and with Platinum Support, you enjoy unlimited access to our support team. No matter how complex your challenges are, our experts are here to assist you every step of the way.

Dedicated Account Team: We understand the value of personalized attention. That's why Platinum Support grants you a dedicated account team, ready to cater to your specific needs and provide tailored solutions.

Priority Roadmap Input: Your input matters! As a Platinum Support subscriber, your feature requests receive top priority, shaping our product roadmap to align with your evolving requirements.

If you don't have a news API key yet, you should get a free one now [Get Free API Key](#)

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