

# Twitter

## Standard Search API Documentation



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## API Reference Index

### Introduction

For the documentation, I will be referring a lot to Twitter's standard search API, which is easy-to-follow, easy-to-use, and primarily used to test searches for Tweets.

### Standard Search API

#### Resource Description

The Twitter standard search API returns a collection of relevant Tweets that match a specified query. It searches against a sampling of recent Tweets that were published in the past 7 days. Note, Twitter's search service and, by extension, the Search API is not meant to be an exhaustive source of Tweets. As a result, not all Tweets will be indexed or made available via the search interface.

#### Endpoints

Standard search API

Resource URL: <https://api.twitter.com/1.1/search/tweets.json>

#### Methods

URL	SUMMARY	GET	PUT	POST	DEL
Users/search	- Provides a simple, relevance-based search interface to public user accounts on Twitter. Try querying by topical interest, full name, company name, location, or other criteria.	YES			



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	<p>Exact match searches are not supported.</p> <ul style="list-style-type: none"> <li>- Only the first 1,000 matching results are available.</li> </ul>				
--	---	--	--	--	--

## Parameters

Name	Required	Description	Default Value	Example
Q	required	A UTF-8, URL-encoded search query of 500 characters maximum, including operators. Queries may additionally be limited by complexity.		@noradio
Geocode	Optional	<p>Returns tweets by users located within a given radius of the given latitude/longitude. The location is preferentially taking from the Geotagging API, but will fall back to their Twitter profile. The parameter value is specified by</p> <p>" latitude,longitude,radius ",</p> <p>where radius units must be specified as either " mi " (miles) or " km " (kilometers). Note that you cannot use the near operator via the API to geocode arbitrary locations; however you can use this geocode parameter to search near geocodes directly. A maximum of 1,000 distinct "sub-regions" will be considered when using the radius modifier.</p>		37.781157 - 122.398720 1mi



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lang	optional	Restricts tweets to the given language, given by an <a href="#">ISO 639-1</a> code. Language detection is best-effort.		<a href="#">Eu</a>
locale	optional	Specify the language of the query you are sending (only <a href="#">ja</a> is currently effective). This is intended for language-specific consumers and the default should work in the majority of cases.		<a href="#">Ja</a>
result_type	optional	Optional. Specifies what type of search results you would prefer to receive. The current default is "mixed." Valid values include: * <a href="#">mixed</a> : Include both popular and real time results in the response. * <a href="#">recent</a> : return only the most recent results in the response * <a href="#">popular</a> : return only the most popular results in the response.		<a href="#">mixed recent popular</a>
count	optional	The number of tweets to return per page, up to a maximum of 100. Defaults to 15. This was formerly the "rpp" parameter in the old Search API.		<a href="#">100</a>
until	optional	Returns tweets created before the given date. Date should be formatted as YYYY-MM-DD. Keep in mind that the search index has a 7-day limit. In other words, no tweets will be found for a date older than one week.		<a href="#">2015-07-19</a>
since_id	optional	Returns results with an ID greater than (that is, more recent than) the specified ID. There are limits to the number		<a href="#">12345</a>



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		of Tweets which can be accessed through the API. If the limit of Tweets has occurred since the <code>since_id</code> , the <code>since_id</code> will be forced to the oldest ID available.		
<code>max_id</code>	optional	Returns results with an ID less than (that is, older than) or equal to the specified ID.		<a href="#">54321</a>
<code>include_entities</code>	optional	The <a href="#">entities</a> node will not be included when set to <a href="#">false</a> .		

## Request Example

```
$ curl --request GET
--url 'https://api.twitter.com/1.1/search/tweets.json?q=from%3Atwitterdev&result_type=mixed&count=2'
--header 'authorization: OAuth oauth_consumer_key="consumer-key-for-app",
oauth_nonce="generated-nonce", oauth_signature="generated-signature",
oauth_signature_method="HMAC-SHA1", oauth_timestamp="generated-timestamp",
oauth_token="access-token-for-authenticated-user", oauth_version="1.0"
$ twurl /1.1/search/tweets.json?q=from%3Atwitterdev&result_type=mixed&count=2
```

## Response Example

```
{
  "statuses": [
    {
      "created_at": "Mon May 06 20:01:29 +0000 2019",
      "id": 1125490788736032770,
      "id_str": "1125490788736032770",
      "text": "Today's new update means that you can finally add Pizza Cat to your Retweet with comments!
Learn more about this ne... https://t.co/Rbc9TF2s5X",
      "truncated": true,
      "entities": {
        "hashtags": [],
        "symbols": [],
        "user_mentions": [],
```



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```
"urls": [
  {
    "url": "https://t.co/Rbc9TF2s5X",
    "expanded_url": "https://twitter.com/i/web/status/1125490788736032770",
    "display_url": "twitter.com/i/web/status/1...",
    "indices": [
      117,
      140
    ]
  }
],
"metadata": {
  "iso_language_code": "en",
  "result_type": "recent"
},
"source": "<a href='https://mobile.twitter.com' rel='nofollow'>Twitter Web App</a>",
"in_reply_to_status_id": null,
"in_reply_to_status_id_str": null,
"in_reply_to_user_id": null,
"in_reply_to_user_id_str": null,
"in_reply_to_screen_name": null,
"user": {
  "id": 2244994945,
  "id_str": "2244994945",
  "name": "Twitter Dev",
  "screen_name": "TwitterDev",
  "location": "Internet",
  "description": "Your official source for Twitter Platform news, updates & events. Need technical help?
Visit https://t.co/mGHnxZU8c1 📖 #TapIntoTwitter",
  "url": "https://t.co/FGI7VOULyL",
  "entities": {
    "url": {
      "urls": [
        {

```



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```
"url": "https://t.co/FGI7VOULyL",
"expanded_url": "https://developer.twitter.com/",
"display_url": "developer.twitter.com",
"indices": [
  0,
  23
]
}
],
},
"description": {
  "urls": [
    {
      "url": "https://t.co/mGHnxZU8c1",
      "expanded_url": "https://twittercommunity.com/",
      "display_url": "twittercommunity.com",
      "indices": [
        93,
        116
      ]
    }
  ]
}
},
"protected": false,
"followers_count": 501947,
"friends_count": 1473,
"listed_count": 1507,
"created_at": "Sat Dec 14 04:35:55 +0000 2013",
"favourites_count": 2186,
"utc_offset": null,
"time_zone": null,
"geo_enabled": true,
"verified": true,
"statuses_count": 3389,
```





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```
"lang": "en",
"contributors_enabled": false,
"is_translator": false,
"is_translation_enabled": null,
"profile_background_color": "null",
"profile_background_image_url": "null",
"profile_background_image_url_https": "null",
"profile_background_tile": null,
"profile_image_url": "null",
"profile_image_url_https":
"https://pbs.twimg.com/profile_images/880136122604507136/xHrnqf1T_normal.jpg",
"profile_banner_url": "https://pbs.twimg.com/profile_banners/2244994945/1498675817",
"profile_link_color": "null",
"profile_sidebar_border_color": "null",
"profile_sidebar_fill_color": "null",
"profile_text_color": "null",
"profile_use_background_image": null,
"has_extended_profile": null,
"default_profile": false,
"default_profile_image": false,
"following": false,
"follow_request_sent": false,
"notifications": false,
"translator_type": "null"
},
"geo": null,
"coordinates": null,
"place": null,
"contributors": null,
"is_quote_status": true,
"quoted_status_id": 1125479034513645569,
"quoted_status_id_str": "1125479034513645569",
"quoted_status": {
  "created_at": "Mon May 06 19:14:46 +0000 2019",
  "id": 1125479034513645569,
```



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```
"id_str": "1125479034513645569",
"text": "It's easy to express yourself by Retweeting with a comment. What if you could take it a step
further and include me... https://t.co/YTqpNZZ8M9",
"truncated": true,
"entities": {
  "hashtags": [],
  "symbols": [],
  "user_mentions": [],
  "urls": [
    {
      "url": "https://t.co/YTqpNZZ8M9",
      "expanded_url": "https://twitter.com/i/web/status/1125479034513645569",
      "display_url": "twitter.com/i/web/status/1...",
      "indices": [
        117,
        140
      ]
    }
  ]
},
"metadata": {
  "iso_language_code": "en",
  "result_type": "recent"
},
"source": "<a href='http://twitter.com' rel='nofollow'>Twitter Web Client</a>",
"in_reply_to_status_id": null,
"in_reply_to_status_id_str": null,
"in_reply_to_user_id": null,
"in_reply_to_user_id_str": null,
"in_reply_to_screen_name": null,
"user": {
  "id": 17874544,
  "id_str": "17874544",
  "name": "Twitter Support",
  "screen_name": "TwitterSupport",
```



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```
"location": "Twitter HQ",
"description": "Your official source for Twitter Support. We're available 24/7 via Direct Message to
answer account questions. Follow us for tips, tricks, and announcements.",
"url": "https://t.co/heEvRrl4yN",
"entities": {
  "url": {
    "urls": [
      {
        "url": "https://t.co/heEvRrl4yN",
        "expanded_url": "https://help.twitter.com",
        "display_url": "help.twitter.com",
        "indices": [
          0,
          23
        ]
      }
    ]
  },
  "description": {
    "urls": []
  }
},
"protected": false,
"followers_count": 5861908,
"friends_count": 17,
"listed_count": 15129,
"created_at": "Thu Dec 04 18:51:57 +0000 2008",
"favourites_count": 313,
"utc_offset": null,
"time_zone": null,
"geo_enabled": true,
"verified": true,
"statuses_count": 27955,
"lang": "en",
"contributors_enabled": false,
```



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```
"is_translator": false,
"is_translation_enabled": null,
"profile_background_color": "null",
"profile_background_image_url": "null",
"profile_background_image_url_https": "null",
"profile_background_tile": null,
"profile_image_url": "null",
"profile_image_url_https":
"https://pbs.twimg.com/profile_images/941807338171777025/PRP6vwDq_normal.jpg",
"profile_banner_url": "https://pbs.twimg.com/profile_banners/17874544/1499274456",
"profile_link_color": "null",
"profile_sidebar_border_color": "null",
"profile_sidebar_fill_color": "null",
"profile_text_color": "null",
"profile_use_background_image": null,
"has_extended_profile": null,
"default_profile": false,
"default_profile_image": false,
"following": false,
"follow_request_sent": false,
"notifications": false,
"translator_type": "null"
},
"geo": null,
"coordinates": null,
"place": null,
"contributors": null,
"is_quote_status": false,
"retweet_count": 1466,
"favorite_count": 3990,
"favorited": false,
"retweeted": false,
"possibly_sensitive": false,
"lang": "en"
},
```



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```
"retweet_count": 20,
"favorite_count": 44,
"favorited": false,
"retweeted": false,
"possibly_sensitive": false,
"lang": "en"
},
{
  "created_at": "Sat May 04 15:00:33 +0000 2019",
  "id": 1124690280777699328,
  "id_str": "1124690280777699328",
  "text": "If you're at #Pycon2019 and you use Twitter data or the Twitter API with your code, we are
running an Open Space in... https://t.co/mVLIzEr9Gx",
  "truncated": true,
  "entities": {
    "hashtags": [
      {
        "text": "Pycon2019",
        "indices": [
          13,
          23
        ]
      }
    ],
    "symbols": [],
    "user_mentions": [],
    "urls": [
      {
        "url": "https://t.co/mVLIzEr9Gx",
        "expanded_url": "https://twitter.com/i/web/status/1124690280777699328",
        "display_url": "twitter.com/i/web/status/1...",
        "indices": [
          117,
          140
        ]
      }
    ]
  }
}
```



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```
    }
  ]
},
"metadata": {
  "iso_language_code": "en",
  "result_type": "recent"
},
"source": "<a href='http://twitter.com' rel='nofollow'>Twitter for iPhone</a>",
"in_reply_to_status_id": null,
"in_reply_to_status_id_str": null,
"in_reply_to_user_id": null,
"in_reply_to_user_id_str": null,
"in_reply_to_screen_name": null,
"user": {
  "id": 2244994945,
  "id_str": "2244994945",
  "name": "Twitter Dev",
  "screen_name": "TwitterDev",
  "location": "Internet",
  "description": "Your official source for Twitter Platform news, updates & events. Need technical help?
Visit https://t.co/mGHnxZU8c1 📖 #TapIntoTwitter",
  "url": "https://t.co/FGI7VOULyL",
  "entities": {
    "url": {
      "urls": [
        {
          "url": "https://t.co/FGI7VOULyL",
          "expanded_url": "https://developer.twitter.com/",
          "display_url": "developer.twitter.com",
          "indices": [
            0,
            23
          ]
        }
      ]
    }
  ]
}
```



```
{
  "description": {
    "urls": [
      {
        "url": "https://t.co/mGHnxZU8c1",
        "expanded_url": "https://twittercommunity.com/",
        "display_url": "twittercommunity.com",
        "indices": [
          93,
          116
        ]
      }
    ]
  },
  "protected": false,
  "followers_count": 501947,
  "friends_count": 1473,
  "listed_count": 1507,
  "created_at": "Sat Dec 14 04:35:55 +0000 2013",
  "favourites_count": 2186,
  "utc_offset": null,
  "time_zone": null,
  "geo_enabled": true,
  "verified": true,
  "statuses_count": 3389,
  "lang": "en",
  "contributors_enabled": false,
  "is_translator": false,
  "is_translation_enabled": null,
  "profile_background_color": "null",
  "profile_background_image_url": "null",
  "profile_background_image_url_https": "null",
  "profile_background_tile": null,
  "profile_image_url": "null",
```



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```
"profile_image_url_https":
"https://pbs.twimg.com/profile_images/880136122604507136/xHrnqf1T_normal.jpg",
"profile_banner_url": "https://pbs.twimg.com/profile_banners/2244994945/1498675817",
"profile_link_color": "null",
"profile_sidebar_border_color": "null",
"profile_sidebar_fill_color": "null",
"profile_text_color": "null",
"profile_use_background_image": null,
"has_extended_profile": null,
"default_profile": false,
"default_profile_image": false,
"following": false,
"follow_request_sent": false,
"notifications": false,
"translator_type": "null"
},
"geo": null,
"coordinates": null,
"place": null,
"contributors": null,
"is_quote_status": false,
"retweet_count": 12,
"favorite_count": 27,
"favorited": false,
"retweeted": false,
"possibly_sensitive": false,
"lang": "en"
}
],
"search_metadata": {
  "completed_in": 0.047,
  "max_id": 1125490788736032770,
  "max_id_str": "1125490788736032770",
```





```
"next_results":
"?max_id=1124690280777699327&q=from%3Atwitterdev&count=2&include_entities=1&result_type=mixed",
"query": "from%3Atwitterdev",
"refresh_url":
"?since_id=1125490788736032770&q=from%3Atwitterdev&result_type=mixed&include_entities=1",
"count": 2,
"since_id": 0,
"since_id_str": "0"
}
}
```

## Resource Information

Response formats	JSON
Requires authentication?	Yes
Rate limited?	Yes
Requests / 15-min window (user auth)	180
Requests / 15-min window (app auth)	450

## Tutorial: using the standard search endpoint

One way that you can start testing searches for Tweets, is to first use the [twitter.com/search](https://twitter.com/search) UI, and to build an API version from its guidance. There is absolutely not complete parity or completeness, but it should be enough to get started.

Using the operators below and the `search/tweets` API, you can iterate on the result by adding more specificity, or negations to get the results you want. As you get a satisfactory result set, the URL loaded in the browser will contain the proper query syntax that can be reused in the API endpoint.



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We want to search for Tweets referencing **TwitterDev**, the word *new* and the word *premium*. First, we run the search on [twitter.com/search](https://twitter.com/search):

<https://twitter.com/search?q=twitterdev%20new%20premium>

Check and copy the URL loaded. In this case, we got:

<https://twitter.com/search?q=twitterdev%20new%20premium>

Replace “<https://twitter.com/search>” with “<https://api.twitter.com/1.1/search/tweets.json>” and you will get:

<https://api.twitter.com/1.1/search/tweets.json?q=twitterdev%20new%20premium>

Execute this URL to do the search in the API. Here's an example twurl command:

`twurl /1.1/search/tweets.json?q=twitterdev%20new%20premium`

And the result:

```
{"statuses":[{"created_at":"Thu Feb 01 16:40:07 +0000
2018","id":959104084845453312,"id_str":"959104084845453312","text":"RT
```

@TwitterAPI: New year, new access for our developer community!

\ud83c\udf89\n\nToday, we\u2019re launching our premium Search Tweets: Full-archive  
endpoin\u2026","truncated":false,"entities":{"hashtags":[],"symbols":[],"user\_mentions":[{"s

creen\_name":"TwitterAPI","name":"Twitter

API","id":6253282,"id\_str":"6253282","indices":[3,14]}],"urls":[],"metadata":{"iso\_language  
\_code":"en","result\_type":"recent"},"source":"\u003ca href=\\"http://twitter.com\\"

rel=\\"nofollow\\" \u003eTwitter Web

Client\u003c/a\u003e","in\_reply\_to\_status\_id":null,"in\_reply\_to\_status\_id\_str":null,"

in\_reply\_to\_user\_id":null,"in\_reply\_to\_user\_id\_str":null,"in\_reply\_to\_screen\_name":null,

"user":{"id":2244994945,"id\_str":"2244994945","name":"Twitter



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Dev", "screen\_name": "TwitterDev", "location": "Internet", "description": "Your official source for Twitter Platform news, updates & events. Need technical help? Visit

<https://t.co/mGHnxZU8c1>

\u2328\u2013 #TapIntoTwitter", "url": "https://t.co/FGl7VOULyL", "entities": {"u": .....

Please note that the API requires that the request be authenticated (check Authentication & Authorization documentation for more details on this). Also keep in mind that the search results at twitter.com may return historical results, while the Search API usually only serves Tweets from the past week.

## Best Practices

A couple things to keep in mind:

- Ensure all parameters are properly URL encoded.
- Limit your searches to 10 keywords and operators.
- Queries can be limited due to complexity. If this happens, the Search API will respond with the error: {"error": "Sorry, your query is too complex. Please reduce complexity and try again."}.
- The Search API is not a complete index of all Tweets, but instead an index of recent Tweets. This index includes between 6-9 days of Tweets.

## Example searches:

When you are following a trending event, you would be interested in search for recent Tweets using the event hashtag

For example, you want recent Tweets that contain the hashtag #superbowl

Your search URL is:

[https://api.twitter.com/1.1/search/tweets.json?q=%23superbowl&result\\_type=recent](https://api.twitter.com/1.1/search/tweets.json?q=%23superbowl&result_type=recent)



twurl

/1.1/search/tweets.json?q=from%3ACmdr\_Hadfield%20%23nasa&result\_type=popular

When you want to know what Tweets are coming from a specific location, with a specific language:

You want: all recent Tweets in Portuguese, near Maracanã soccer stadium in Rio de Janeiro

Your search URL is:

[https://api.twitter.com/1.1/search/tweets.json?q=geocode=-22.912214,-43.230182,1km&lang=pt&result\\_type=recent](https://api.twitter.com/1.1/search/tweets.json?q=geocode=-22.912214,-43.230182,1km&lang=pt&result_type=recent)  
twurl /1.1/search/tweets.json?q=geocode=-22.912214,-43.230182,1km&lang=pt&result\_type=recent

When you want the most popular tweets of a specific user using a hashtag:

You want: popular Tweets from @Cmdr\_Hadfield mentioning the hashtag #nasa

Your search URL is:

[https://api.twitter.com/1.1/search/tweets.json?q=from%3ACmdr\\_Hadfield%20%23nasa&result\\_type=popular](https://api.twitter.com/1.1/search/tweets.json?q=from%3ACmdr_Hadfield%20%23nasa&result_type=popular)  
twurl /1.1/search/tweets.json?q=from%3ACmdr\_Hadfield%20%23nasa&result\_type=popular



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## Standard search operators

The query can have operators that modify its behavior. Here are some examples that illustrate the available operators in standard search:

Operator	Finds Tweets...
watching now	containing both “watching” and “now”. This is the default operator.
“happy hour”	containing the exact phrase “happy hour”.
love OR hate	containing either “love” or “hate” (or both).
beer -root	containing “beer” but not “root”.
#haiku	containing the hashtag “haiku”.
from:interior	sent from Twitter account “interior”.
list:NASA/astronauts-in-space-now	sent from a Twitter account in the NASA list astronauts-in-space-now
to:NASA	a Tweet authored in reply to Twitter account “NASA”.
@NASA	mentioning Twitter account “NASA”.
politics filter:safe	containing “politics” with Tweets marked as potentially sensitive removed.
puppy filter:media	containing “puppy” and an image or video.
puppy -filter:retweets	containing “puppy”, filtering out retweets
puppy filter:native_video	containing “puppy” and an uploaded video, Amplify video, Periscope, or Vine.
puppy filter:periscope	containing “puppy” and a Periscope video URL.
puppy filter:vine	containing “puppy” and a Vine.
puppy filter:images	containing “puppy” and links identified as photos, including third parties such as Instagram.



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puppy filter:twimg	containing “puppy” and a pic.twitter.com link representing one or more photos.
hilarious filter:links	containing “hilarious” and linking to URL.
puppy url:amazon	containing “puppy” and a URL with the word “amazon” anywhere within it.
superhero since:2015-12-21	containing “superhero” and sent since date “2015-12-21” (year-month-day).
puppy until:2015-12-21	containing “puppy” and sent before the date “2015-12-21”.
movie -scary :)	containing “movie”, but not “scary”, and with a positive attitude.
flight :(	containing “flight” and with a negative attitude.
traffic ?	containing “traffic” and asking a question.

Please, make sure to URL encode these queries before making the request. There are several online tools to help you to do that, or you can search at [twitter.com/search](https://twitter.com/search) and copy the encoded URL from the browser’s address bar. The

table below shows some example mappings from search queries to URL encoded queries:

Search query	URL encoded query
#haiku #poetry	%23haiku+%23poetry
“happy hour” :)	%22happy%20hour%22%20%3A%29

Note that the space character can be represented by “%20” or “+” sign.

## Additional parameters

There is a set of additional parameters that allows a better control of the search results.

The [standard search API reference](#) documentation has detailed information about the usage of the parameters, this section will only give a brief description of their capabilities:



- **Result Type:** just like `twitter.com/search` results, the `result_type` parameter selects whether the result set will be represented by recent or popular Tweets, or even a mix of both.
- **Geolocalization:** the search operator “near” isn’t available in the API, but there is a more precise way to restrict your query by a given location using the `geocode` parameter specified with the template “latitude,longitude,radius”, for example, “37.781157,-122.398720,1mi”. When conducting geo searches, the search API will first attempt to find Tweets which have lat/long within the queried geocode, and in case of not having success, it will attempt to find Tweets created by users whose profile location can be reverse geocoded into a lat/long within the queried geocode, meaning that is possible to receive Tweets which do not include lat/long information.
- **Language:** the `lang` parameter restricts Tweets to the given language.



- **Iterating in a result set:** parameters such `count`, `until`, `since_id`, `max_id` control iteration through search results, since it could be a large set of Tweets.

The [Working with Timelines](#) documentation is a rich and illustrative tutorial to learn how to use these parameters to achieve the best efficiency and reliability when processing result sets.

## Twitter Standard Search API FAQ

### What is the search API?

Twitter has three different kinds of APIs — the standard search API, the premium search API, and the enterprise search API. Twitter's standard search API (`search/tweets`) allows simple queries against the indices of trending or popular Tweets and behaves similarly to, but not exactly against like the Search UI feature available in Twitter mobile or web clients. The Twitter Search API searches against a group of recent Tweets published in the past 7 days.

For a more detailed reference on the standard search API endpoint, click [HERE](#).

### What can I use to get started on the Standard Search Tweet APIs?

Libraries that you can use to get started on the Search Tweet APIs are:

- [Tweepy](#) and [Twitter API](#) — good for using the standard search/tweets product (Python).

All of these libraries that we directly support are accessible in our TwitterDev GitHub page: <https://github.com/twitterdev>

### I have a question that hasn't been answered in the documentation.

Please check [our forums](#) to check and see if your question was answered there. However, if you still can't find your answer there, please submit a post to the forum.





# Twitter Standard Search API Documentation

## How long will take for my Twitter developer account to be approved?

We work through the applications as quickly as we can, so please be patient! We can't wait to see what you are going to build.

## Why use Tweepy and TwitterAPI for the standard search Tweet APIs?

Tweepy is an easy-to-use Python library that can be used to access the Twitter API and TwitterAPI is a Python package used to access Twitter's REST APIs and Streaming APIs.

All of these libraries that we directly support are accessible in our TwitterDev GitHub page: <https://github.com/twitterdev>

## I didn't receive a Tweet that should match my query. Why?

A couple reasons:

- the Tweet you expected to see is from a protected account (see [Privacy and Safety](#))
- because the data endpoint accounts for all compliance events (meaning that deleted Tweets, scrubbed geos, etc. will not be included in the response).

## What is the sandbox? Is this real data?

The "sandbox" is the free version of either the Search Tweets, which are categorized by **30-day** or **Full-Archive**. The data returned are real Tweets that match the query for the related timeframe.

## How can I check my API request usage?

API request usage (including pagination) is tracked on the [developer dashboard](#).

In the developer dashboard, you are able to access your request usage per current or previous (monthly) periods, as well as per 30 day period, 24 hours and 120 minutes. The projected requests look at previous usage patterns to determine the remaining requests needed in the current period.

## Why use Twitter Standard Search API?



# Twitter Standard Search API Documentation

The Twitter Standard Search API searches against a sampling of recent Tweets that were published in the past 7 days. It focuses on relevance as well, so it primarily looks up recent or popular Tweets published.

## Landing Page

### Getting started with the Twitter developer platform

Twitter's developer platform provides many API products, tools, and resources that enable you to harness the power of Twitter's open, global, and real-time communication network.

This page describes what's possible to build with the different tools and APIs that are available on the platform, and how to get the access and information that you need to get started.

We regularly update and improve the experience and products available on the developer platform. These improvements make it important for you to [stay informed](#) so you don't miss any updates.

[Sign up for our newsletter >](#)

### Which tools and APIs are available?

The Twitter developer tools and endpoints are grouped into the following APIs, which you can read more about on our ["Products overview"](#) page. You can also visit our ["API reference index"](#) page to see a full list of the endpoints available on the platform.

APIs	Description
Standard API	The included endpoints will let you perform the following:



# Twitter Standard Search API Documentation

- [Post, retrieve, and engage with Tweets](#) and [timelines](#)
- [Post and receive direct messages](#)
- [Manage and pull public account information](#)
- [Create and manage lists](#)
- [Follow, search and get users](#)
- [Retrieve trends](#)

## [Premium API](#)

Advanced filtering functionality and scalable access to the Search Tweets API, and real-time public account, engagement, and Tweet information via the webhook Account Activity API.

## [Enterprise API](#)

Enterprise-level access to Twitter data, including real-time Tweets and public account information, historical Tweets, and Tweet insights.

## [Ads API](#)

Programmatically integrate with the Twitter Ads platform.

## [Twitter for websites](#)

Embed Twitter content and social actions to your site.

## [Twitter Developer Labs](#)

Experimental endpoints being built around developer feedback.

## How to get started with Twitter for websites

Since the Twitter for websites tools don't require authentication or special access, you can get started by using the [embed generator tool](#) or [reading our documentation](#).



## How to get started with the Twitter Standard Search APIs

To get started using the standard APIs, you need to create a developer account and generate keys and tokens.

1. Apply and receive approval for a [Twitter developer account](#).
2. Create a [Twitter developer app](#).
3. [Generate your app's API keys and user's access tokens](#).
4. [Generate your app's bearer token](#).
5. Apply and receive access to the desired API.
6. Find the [documentation](#), [libraries](#), [code examples](#), and other resources that you need to make your first successful request.

## Main Capabilities of Twitter API

### Popular functions of the Twitter API

APIs	<a href="#">Developer account</a> requirement	Special access requirement	<a href="#">Authentication</a> requirement
Standard API	Yes	None	OAuth 1.0a
Premium API	Yes	None	OAuth 1.0a, OAuth 2.0 bearer token
Enterprise API	Yes	<a href="#">Enterprise</a>	OAuth 1.0a, OAuth 2.0 bearer token, and Basic



# Twitter Standard Search API Documentation

Ads API	Yes	<a href="#">Ads API</a>	OAuth 1.0a
Twitter for websites	None	None	None
Twitter Developer Labs	Yes	<a href="#">Labs</a>	OAuth 1.0a, OAuth 2.0 bearer token

## Changelog

### February 26, 2020

#### Introducing the hide replies endpoint

We want to help people feel and comfortable having conversations on Twitter. As part of that, today we're excited to give Tweet authors more control over the conversations they start by supporting the hide replies feature with a new [endpoint](#).

You can read more about this new endpoint in our [forum announcement](#).

### February 25, 2020

#### v2 of Labs endpoints: Tweets and Users, Recent Search, Hide Replies

Today, we are bringing our Tweets and Users, Recent Search and Hide Replies endpoints to v2 of Labs. We are deprecating Labs v1 endpoints and will fully retire them 90 days after this initial release. We will also keep our v1 documentation available for this duration. You can provide us feedback on this versioning strategy via our [feedback channel](#).

We're releasing the following changes to Tweets and Users:

- Introduce [fields](#) as a query parameter



# Twitter Standard Search API Documentation

- Remove [formats](#) as a query parameter
- Add path variable for single ID [lookup](#) in Tweets and Users
- Adjusting the path and query parameters for single and multi-username [lookup](#) in GET /users
- Change field name `stats` to `public_metrics`

Other changes include:

- Remove the `most_recent_tweet_id` expansion in Users
- Remove HTML tags from the `source` field in Tweets to make that field easier to parse

The core search, pagination and other functionality of Recent Search will stay the same.

We have put together some [migration materials](#) for when you update from v1 to v2.

You can read more about this change in our [forum announcement](#).

## January 21, 2020

### Hiding access tokens and access token secrets

Today, we're making changes to the way that Access Tokens and Access Token Secrets are presented and managed within the [applications Dashboard on developer.twitter.com](#).

In order to make API integrations more secure, we will no longer show the Access Token and Access Token Secret on the Dashboard beyond the first time that these values are generated.

After the first time, these credentials can not be retrieved. You will be able to regenerate the tokens on the Dashboard, but this will invalidate your current token and secret.

You can read more about this change in our [forum announcement](#).





**January 6, 2020**

**New Recent search endpoint available in Labs**

Today, we are releasing a new endpoint to [search for Tweets posted in the last 7 days](#).

Learn more about this launch via our [forum announcement](#).

**December 10, 2019**

**Tweet annotations added to the Tweet Object for sampled stream and filtered stream endpoints in Labs**

Today in Twitter Developer Labs, we are releasing new metadata elements to the default Tweet payload. These new fields, rendered as part of the Tweet payload, will provide more contextual information about the Tweet.

Learn more about this launch via our [forum announcement](#).

**October 22nd, 2019**

**New sampled stream endpoint available in Labs**

Today we are releasing a new endpoint to [stream a sample of all public Tweets](#) being posted in real-time.

You can follow this launch via our [forum announcement](#).

**September 18th, 2019**

**New filtered stream endpoint available in Labs**

Today, we are releasing a [new streaming endpoint](#) to retrieve Tweets, and an endpoint to manage your filters in Twitter Developer Labs. With these endpoints, you will be able to





# Twitter Standard Search API Documentation

retrieve up to 500,000 Tweets per month (maximum 50 Tweets per second); you can set up to 10 filter rules on your stream (these can be applied at the same time).

Learn more about this launch via our [forum announcement](#).

## Documentation: improvements to request parameters

Requests parameters documented in the API reference pages are now clearly marked as either optional or required. Additionally, API reference pages will describe a JSON body payload when this is allowed by a request.

## August 27th, 2019

### New Tweet metrics are now available in Labs

You can now retrieve engagement data for any Tweet or list of Tweets from owned/authorized accounts. The Tweets you query must be no older than 30 days and cannot be Retweets.

[GET /tweets/metrics/private](#) supports the following metrics:

- `impressions`
- `Retweets`
- `Quote Tweets`
- `likes`
- `replies`
- `video views`
- `video view quartiles` (where the requester is also the author of the media)

Learn more about this launch via our [forum announcement](#).

## August 12th, 2019

### New expansion for GET /users: pinned Tweets in Twitter Developer Labs



- `pinned_tweet_id` will expand a user's pinned Tweet through our user object expansion



July 31st, 2019

**New metadata available for Quote Tweet counts:**

- Developers can use the new Labs endpoints to pull counts of Quote Tweets.

**New expansion for GET /users: most recent Tweet**

- `most_recent_tweet_id` will expand a user's most recent Tweet through our user object expansion

Learn more about this launch via our [forum announcement](#).

June 20th, 2019

**New expansions for GET /tweets: referenced author and mentioned user**

We added two new expansions to the [GET /tweets](#) endpoint:

- **entities.mentions.username** will expand the username of any recognized user mention in a Tweet into a full user object
- **referenced\_tweets.id.author\_id** expands the ID of the author of any referenced Tweet, when one of the Tweets requested is a Retweet, Quoted Tweet or Reply. This expansion will also expand the referenced Tweet ID into a full object

**Documentation** Added code samples for JavaScript (Node.js)

The [Quick Start guides](#) have been updated with a new code sample to show how to make requests in a Node.js environment.

June 11th, 2019

**GET /tweets and GET /users are now supported in Labs**

The first two endpoints are now available via the Labs portal. Make sure you have an approved developer account and have applied for Labs access to get started with these endpoints.



# Twitter Standard Search API Documentation

[Key differences](#) from equivalent v1.1 functionality include:

- Single endpoint for single object “show” function and batch “lookups”
- [Expansion parameters](#) support the inclusion of additional objects as part of one request (e.g. mentioned users, referenced Tweets, etc.)
- [Format parameters](#) support different data projections with more or less verbose payloads.
- Rate limiting is at the app level, regardless of auth method (user context or bearer token)

Learn more about this launch via our [forum announcement](#).

## Terms of Use

Effective: May 25, 2018.

This Twitter Developer Agreement (“**Agreement**”) is made between you (either an individual or an entity, referred to herein as “**you**”) and Twitter, Inc. and Twitter International Company (collectively, “**Twitter**”) and governs your access to and use of the Licensed Material (as defined below). Your use of Twitter’s websites, SMS, APIs, email notifications, applications, buttons, embeds, ads, and our other covered services is governed by our general Terms of Service and Privacy Policy.

PLEASE READ THE TERMS AND CONDITIONS OF THIS AGREEMENT CAREFULLY, INCLUDING WITHOUT LIMITATION ANY LINKED TERMS AND CONDITIONS APPEARING OR REFERENCED BELOW, WHICH ARE HEREBY MADE PART OF THIS LICENSE AGREEMENT. BY USING THE LICENSED MATERIAL, YOU ARE AGREEING THAT YOU HAVE READ, AND THAT YOU AGREE TO COMPLY WITH AND TO BE BOUND BY THE TERMS AND CONDITIONS OF THIS AGREEMENT AND ALL APPLICABLE LAWS AND REGULATIONS IN THEIR ENTIRETY WITHOUT



# Twitter Standard Search API Documentation

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AS OF THE FIRST DATE THAT YOU USE THE LICENSED MATERIAL (“**EFFECTIVE DATE**”).

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## I. Twitter API and Twitter Content

### A. Definitions

1. **Twitter Content** – Tweets, Tweet IDs, Twitter end user profile information, Periscope Broadcasts, Broadcast IDs and any other data and information made available to you through the Twitter API or by any other means authorized by Twitter, and any copies and derivative works thereof.
2. **Broadcast ID** - A unique identification number generated for each Periscope Broadcast.
3. **Developer Site** – Twitter’s developer site located at </content/developer-twitter>.
4. **End Users** – Users of your Services.
5. **Licensed Material** – A collective term for the Twitter API and Twitter Content.
6. **Periscope Broadcast** - A live or on-demand video stream that is publicly displayed on Twitter Services and is generated by a user via Twitter’s Periscope Producer



# Twitter Standard Search API Documentation

feature (as set forth

at <https://help.periscope.tv/customer/en/portal/articles/2600293>).

7. **Services** – Your websites, applications and other offerings that display Twitter Content or otherwise use the Licensed Material as approved by Twitter through any onboarding process.
8. **Tweet ID** – A unique identification number generated for each Tweet.
9. **Tweet** – a short-form text and/or multimedia-based posting made on Twitter Services.
10. **Direct Message** – A text and/or multimedia-based posting that is privately sent on Twitter Services by one end user to one or more specific end user(s).
11. **Twitter API** – The Twitter Application Programming Interface (“**API**”), Software Development Kit (“**SDK**”) and/or the related documentation, data, code, and other materials provided by Twitter with the API, as updated from time to time, including without limitation through the Developer Site.
12. **Twitter Marks** – The Twitter name, trademarks, and logos that Twitter makes available to you, including via the Developer Site.
13. **Twitter Services** – Twitter’s offerings and platforms, including without limitation, those offered via <https://twitter.com> and Twitter’s mobile applications.

**B. License from Twitter.** Subject to the terms and conditions in this Agreement (as a condition to the grant below), Twitter hereby grants you and you accept a non-exclusive, royalty free, non-transferable, non-sublicensable, revocable license solely to:

1. Use the Twitter API to integrate Twitter Content into your Services or conduct analysis of such Twitter Content;
2. Copy a reasonable amount of and display the Twitter Content on and through your Services to End Users, as permitted by this Agreement;
3. Modify Twitter Content only to format it for display on your Services; and
4. Use and display Twitter Marks, solely to attribute Twitter’s offerings as the source of the Twitter Content, as set forth herein.



# Twitter Standard Search API Documentation

**C. License to Twitter** You hereby grant Twitter and Twitter accepts a non-exclusive, royalty free, non-transferable, non-sublicensable revocable license to access, index, and cache by any means, including web spiders and/or crawlers, any webpage on which you display Twitter Content using [embedded Tweets](#) or [embedded timelines](#).

**D. Incorporated Terms.** Your use of the Licensed Material is further subject to and governed by the following terms and conditions:

1. the Twitter Developer Policy located at </en/developer-terms/policy> (“**Developer Policy**”);
2. as it relates to your display of any of the Twitter Content, the Display Requirements located at </en/developer-terms/display-requirements> (“**Display Requirements**”);
3. as it relates to your use and display of the Twitter Marks, the Twitter Brand Assets and Guidelines located at <https://twitter.com/logo> and <https://www.periscope.tv/trademarkpolicy> (“**Brand Guidelines**”); and
4. as it relates to taking automated actions on your account, the Automation Rules located at <https://support.twitter.com/articles/76915> (“**Automation Rules**”).

The Developer Policy, Display Requirements, Brand Guidelines, and Automation Rules are collectively referred to herein as the “**Developer Terms**”. You agree to the Developer Terms, which are hereby incorporated by reference and are available in hardcopy upon request to Twitter. In the event of a conflict between the Developer Terms and this Agreement, this Agreement shall control. None of the Developer Terms expand or extend the license to the Twitter API, Twitter Content or Twitter Marks granted in this Agreement.



## II. Restrictions on Use of Licensed Materials

1. **Reverse Engineering and other Limitations.** You will not or attempt to (and will not allow others to) 1) reverse engineer, decompile, disassemble or translate the Twitter API, or otherwise attempt to derive source code, trade secrets or know-how in or underlying any Twitter API or any portion thereof; 2) interfere with, modify, disrupt or disable features or functionality of the Twitter API, including without limitation any such mechanism used to restrict or control the functionality, or defeat, avoid, bypass, remove, deactivate or otherwise circumvent any software protection or monitoring mechanisms of the Twitter API; 3) sell, rent, lease, sublicense, distribute, redistribute, syndicate, create derivative works of, assign or otherwise transfer or provide access to, in whole or in part, the Licensed Material to any third party except as expressly permitted herein; 4) provide use of the Twitter API on a service bureau, rental or managed services basis or permit other individuals or entities to create links to the Twitter API or "frame" or "mirror" the Twitter API on any other server, or wireless or Internet-based device, or otherwise make available to a third party, any token, key, password or other login credentials to the Twitter API; or 5) use the Licensed Material for any illegal, unauthorized or other improper purposes.
2. **Rate Limits.** You will not attempt to exceed or circumvent limitations on access, calls and use of the Twitter API ("**Rate Limits**"), or otherwise use the Twitter API in a manner that exceeds reasonable request volume, constitutes excessive or abusive usage, or otherwise fails to comply or is inconsistent with any part of this Agreement. If you exceed or Twitter reasonably believes that you have attempted to circumvent Rate Limits, controls to limit use of the Twitter APIs or the terms and conditions of this Agreement, then your ability to use the Licensed Materials may be temporarily suspended or permanently blocked. Twitter may monitor your use of the Twitter API to improve the Twitter Service and to ensure your compliance with this Agreement and Developer Terms.





3. **Geographic Data.** Your license to use Twitter Content in this Agreement does not allow you to (and you will not allow others to) aggregate, cache, or store location data and other geographic information contained in the Twitter Content, except in conjunction with the Twitter Content to which it is attached. Your license only allows you to use such location data and geographic information to identify the location tagged by the Twitter Content.
4. Any use of location data or geographic information on a standalone basis or beyond the license granted herein is a breach of this Agreement.
5. **Use of Twitter Marks.** The Twitter Marks may not be included in or as part of your registered corporate name, any of your logos, or any of your service or product names. Moreover, you may not create any derivative works of the Twitter Marks or use the Twitter Marks in a manner that creates or reasonably implies an inaccurate sense of endorsement, sponsorship, or association with Twitter. You will not otherwise use business names and/or logos in a manner that can mislead, confuse, or deceive users of your Services. All use of the Twitter Marks and all goodwill arising out of such use, will inure to Twitter's benefit. You shall not use the Twitter Marks except as expressly authorized herein without Twitter's prior consent. You will not remove or alter any proprietary notices or Twitter Marks on the Licensed Material.
6. **Security.** You will maintain the security of the Twitter API and will not make available to a third party, any token, key, password or other login credentials to the Twitter API. You will use industry standard security measures to prevent unauthorized access or use of any of the features and functionality of the Twitter API, including access by viruses, worms, or any other harmful code or material. Additionally, you will keep Twitter Content (including, where applicable, personal data) confidential and secure from unauthorized access by using industry-standard organizational and technical safeguards for such data, and with



no less care than it uses in connection with securing similar data you store. You will immediately notify Twitter consult and cooperate with investigations, assist with any required notices, and provide any

information reasonably requested by Twitter if you know of or suspects any breach of security or potential vulnerability related to the Licensed Material and will promptly remedy such breach or potential vulnerability resulting from Your access to the Licensed Material.

### III. Updates

You acknowledge that Twitter may update or modify the Twitter APIs from time to time, and at its sole discretion (in each instance, an “**Update**”). You are required to implement and use the most current version of the Twitter API and to make any changes to your Services that are required as a result of such Update, at your sole cost and expense.

Updates may adversely affect the manner in which your Services access or communicate with the Twitter API or display Twitter Content. Your continued access or use of the Twitter APIs following an update or modification will constitute binding acceptance of the Update.

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the licenses granted herein, or otherwise copying or exploiting the Twitter Marks during or after the termination of this Agreement, except as specifically authorized herein. If you acquire any rights in the Twitter Marks or any confusingly similar marks, by operation of law or otherwise, you will, at no expense to Twitter, immediately assign such rights to Twitter.

2. **Feedback.** You may provide Twitter with comments concerning the Licensed Material, Services or your evaluation and use thereof (collectively, "**Feedback**"). You hereby grant Twitter all rights, title and ownership of such Feedback (including all intellectual property rights therein), and Twitter may use the Feedback for any and all commercial and non-commercial purposes with no obligation of any kind to you.



## V. Termination

Twitter may immediately terminate or suspend this Agreement, any rights granted herein, and/or your license to the Licensed Materials, at its sole discretion at any time, for any reason by providing notice to you. You may terminate this Agreement at any time by ceasing your access to the Twitter API and use of all Twitter Content. Upon termination of this Agreement, (a) all licenses granted herein immediately expire and you must cease use of all Licensed Materials; and (b) you shall permanently delete all Licensed Material and Twitter Marks in all forms and types of media, and copies thereof, in your possession. The parties to this Agreement will not be liable to each other for any damages resulting solely from termination of this Agreement as permitted under this Agreement. Sections II, IV, V, VI and VII of this Agreement will survive the termination of this Agreement.

## VI. Confidentiality

You may be given access to certain non-public information, software, and specifications relating to the Licensed Material (“Confidential Information”), which is confidential and proprietary to Twitter. You may use this Confidential Information only as necessary in exercising your rights granted in this Agreement. You may not disclose any of this Confidential Information to any third party without Twitter’s prior written consent. You agree that you will protect this Confidential Information from unauthorized use, access, or disclosure in the same manner that you would use to

protect your own confidential and proprietary information of a similar nature and in no event with less than a reasonable degree of care.

## VII. Other Important Terms



# Twitter Standard Search API Documentation

1. **User Protection.** Twitter Content, and information derived from Twitter Content, may not be used by, or knowingly displayed, distributed, or otherwise made available to:

1. any public sector entity (or any entities providing services to such entities) for surveillance purposes, including but not limited to:
  1. investigating or tracking Twitter's users or their Twitter Content; and,
  2. tracking, alerting, or other monitoring of sensitive events (including but not limited to protests, rallies, or community organizing meetings);
2. any public sector entity (or any entities providing services to such entities) whose primary function or mission includes conducting surveillance or gathering intelligence;
3. any entity for the purposes of conducting or providing surveillance, analyses or research that isolates a group of individuals or any single individual for any unlawful or discriminatory purpose or in a manner that would be inconsistent with our users' reasonable expectations of privacy;
4. any entity to target, segment, or profile individuals based on health (including pregnancy), negative financial status or condition, political affiliation or beliefs, racial or ethnic origin, religious or philosophical affiliation or beliefs, sex life or sexual orientation, trade union membership, data relating to any alleged or actual commission of a crime, or any other sensitive categories of personal information prohibited by law;
5. any entity that you reasonably believe will use such data to violate the Universal Declaration of Human Rights (located at <http://www.un.org/en/documents/udhr/>), including without limitation



Articles 12, 18, or 19. If law enforcement personnel request information from you about Twitter or its users for the purposes of an ongoing investigation, you must refer them to Twitter's Guidelines for Law Enforcement located at <https://t.co/le>.

2. **Additional Terms for Permitted Government Use.** The Twitter API and Twitter Content are "commercial items" as that term is defined at 48 C.F.R. 2.101, consisting of "commercial computer software" and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212. Any use, modification, derivative, reproduction, release, performance, display, disclosure or distribution of the Twitter API or Twitter Content by any government entity is prohibited, except as expressly permitted by the terms of this Agreement. Additionally, any use by U.S. government entities must be in accordance with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4. If you use the Twitter API or Twitter Content in your official capacity as an employee or representative of a U.S., state or local government entity and you are legally unable to accept the indemnity, jurisdiction, venue or other clauses herein, then those clauses do not apply to such entity, but only to the extent as required by applicable law. For the purpose of this provision, contractor/manufacturer is Twitter, Inc., 1355 Market Street, Suite 900, San Francisco, California 94103.
3. **Data Protection.** Twitter International Company ("TIC"), an Irish registered company, controls some of the Twitter Content, as set forth in the Twitter Privacy Policy (<https://www.twitter.com/privacy>), and has authorized Twitter to license such Twitter Content under this Agreement (such data is "TIC Data"). To the extent that you are relying upon the EU Commission's implementing Decision 2016/1250 pursuant to Directive 95/46/EC on the adequacy of the protection provided by the EU-U.S. Privacy Shield (the



“**Privacy Shield**”) and is certified under Privacy Shield to receive categories of data which include the TIC Data, you represent and warrant it will comply with the Privacy Shield principles. Without limiting the foregoing, if for any reason you are unable to comply with such principles or your Privacy Shield certification should end, you will immediately notify Twitter and take reasonable and appropriate steps to remedy any non-compliance, or cease access to the Twitter API and use of any and all TIC Data. If a transfer of TIC Data by you is not covered by Privacy Shield, and then only if you are located or transfer such TIC Data out of (a) the European Economic Area, or (b) a jurisdiction where a European Commission positive adequacy decision under Article 25(6) of Directive 95/46/EC is in force and covers such transfer, then use of such TIC Data is subject to the model contractual clauses annexed to Commission Decision 2004/915/EC (the “**Clauses**”), which are hereby incorporated into this Agreement. In such cases, TIC is the ‘data exporter’ and you are the ‘data importer’ as defined in the Clauses, and you select option (iii) of Clause II(h) and agree to the data processing principles of Annex A to the Clauses. For the purposes of Annex B to the Clauses, the following shall apply: (i) ‘Data subjects’ are the users of the Twitter Applications or individuals whose personal data is in the TIC Data; (ii) the ‘Purpose of the transfer(s)’ is the performance of this Agreement and the provision of services by you to End Users; (iii) the ‘Categories of data’ are TIC Data as defined herein; (iv) the ‘Recipients’ are End Users and you; (v) ‘Sensitive data’ is personal data regarding an individual’s racial or ethnic origin, political opinions, religious or philosophical beliefs, trade-union membership, health or sex life, criminal convictions or alleged commission of an offense; and (vi) the ‘contact points for data protection enquiries’ are the representatives of TIC and you with responsibility for data privacy.



4. **Compliance Audit.** Twitter, or a third party agent subject to obligations of confidentiality, shall be entitled to inspect and audit any records or activity related to your access to the Licensed Material for the purpose of verifying compliance with this Agreement. Twitter may exercise its audit right at anytime upon notice. You will provide your full cooperation and assistance with such audit and provide access to all Licensed Material in your possession or control, applicable agreements and records. Without limiting the generality of the foregoing, as part of the audit, Twitter may request, and you agree to provide, a written report, signed by an authorized representative, listing your then-current deployment of the Licensed Material and Twitter Content. The rights and requirements of this section will survive for one (1) year following the termination of this Agreement.
5. **Compliance with Laws; Export and Import.** Each party will comply with all applicable foreign, federal, state, and local laws, rules and regulations, including without limitation, all applicable laws relating to bribery and/or corruption. The Licensed Material is subject to U.S. export laws and may be subject to import and use laws of the country where it is delivered or used. You agree to abide by these laws. Under these laws, the Licensed Material may not be sold, leased, downloaded, moved, exported, re-exported, or transferred across borders without a license, or approval from the relevant government authority, to any country or to any foreign national restricted by these laws, including countries embargoed by the U.S. Government (currently Cuba, Iran, North Korea, Northern Sudan and Syria); or to any restricted or denied end-user including, but not limited to, any person or entity prohibited by the U.S. Office of Foreign Assets Control; or for any restricted end-use. You will maintain all rights and licenses that are required with respect to your Services.





6. **Warranty Disclaimer.** THE LICENSED MATERIAL IS PROVIDED TO YOU “AS IS”, “WHERE IS”, WITH ALL FAULTS AND EACH PARTY DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS, IMPLIED, STATUTORY, OR OTHERWISE, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY, NONINFRINGEMENT, FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTIES OR CONDITIONS ARISING OUT OF THIS AGREEMENT, COURSE OF DEALING OR USAGE OF TRADE. TWITTER DOES NOT WARRANT THAT THE LICENSED MATERIAL OR ANY OTHER TWITTER PRODUCT OR SERVICE PROVIDED HEREUNDER WILL MEET ANY OF YOUR REQUIREMENTS OR THAT USE OF SUCH LICENSED MATERIAL OR OTHER PRODUCTS OR SERVICES WILL BE ERROR-FREE, UNINTERRUPTED, VIRUS-FREE OR SECURE. THIS DISCLAIMER OF WARRANTY MAY NOT BE VALID IN SOME JURISDICTIONS AND YOU MAY HAVE WARRANTY RIGHTS UNDER LAW WHICH MAY NOT BE WAIVED OR DISCLAIMED. ANY SUCH WARRANTY EXTENDS ONLY FOR THIRTY (30) DAYS FROM THE EFFECTIVE DATE OF THIS AGREEMENT (UNLESS SUCH LAW PROVIDES OTHERWISE).
7. **Indemnification.** You shall defend Twitter against any and all actions, demands, claims and suits (including without limitation product liability claims), and indemnify and hold Twitter harmless from any and all liabilities, damages and costs (including without limitation reasonable attorneys' fees) to the extent arising out of: (i) your use of the Licensed Material in any manner that is inconsistent with this Agreement; or (ii) the performance, promotion, sale or distribution of your Services. In the event Twitter seeks indemnification or defense from you under this provision, Twitter will promptly notify you in writing of the claim(s) brought against Twitter for which it seeks indemnification or defense. Twitter reserves the right, at its option and sole discretion, to assume full control of the



defense of claims with legal counsel of its choice. You may not enter into any third party agreement, which would, in any manner whatsoever, affect the rights of Twitter, constitute an admission of fault by Twitter or bind Twitter in any manner,

without the prior written consent of Twitter. In the event Twitter assumes control of the defense of such claim, Twitter shall not settle any such claim requiring payment from you without your prior written approval.

8. **Limitation of Liability.** IN NO EVENT WILL TWITTER BE LIABLE TO YOU OR ANY END USERS FOR ANY INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, PUNITIVE OR CONSEQUENTIAL DAMAGES OR ANY LOSS OF OR DAMAGE TO USE, DATA, BUSINESS, GOODWILL OR PROFITS ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT. IN ANY CASE, TWITTER'S AGGREGATE LIABILITY FOR ANY AND ALL CLAIMS UNDER THIS AGREEMENT WILL NOT EXCEED \$50.00 USD. THE FOREGOING LIMITATIONS, EXCLUSIONS AND DISCLAIMERS SHALL APPLY REGARDLESS OF WHETHER SUCH LIABILITY ARISES FROM ANY CLAIM BASED UPON CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, AND WHETHER OR NOT THE PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH LOSS OR DAMAGE. INsofar as applicable law prohibits any limitation on liability herein, the parties agree that such limitation will be automatically modified, but only to the extent so as to make the limitation compliant with applicable law. The parties agree that the limitations on liabilities set forth herein are agreed allocations of risk and such limitations will apply notwithstanding the failure of essential purpose of any limited remedy.



9. **Updates.** Twitter may update or modify this Agreement, Developer Terms, and other terms and conditions, from time to time at its sole discretion by posting the changes on this site or by otherwise notifying you (such notice may be via email). You acknowledge that these updates and modifications may adversely affect how your Service accesses or communicates with the Twitter API. If any change is unacceptable to you, your only recourse is to cease all use of the Licensed Material. Your continued access or use of the

Licensed Material will constitute binding acceptance of the such updates and modifications.

10. **Miscellaneous.** This Agreement constitutes the entire agreement among the parties with respect to the subject matter and supersedes and merges all prior proposals, understandings and contemporaneous communications. Any modification to this Agreement must be in a writing signed by both you and Twitter, Inc. You may not assign any of the rights or obligations granted hereunder, in whole or in part, whether voluntarily or by operation of law, contract, merger (whether you are the surviving or disappearing entity), stock or asset sale, consolidation, dissolution, through government action or otherwise, except with the prior written consent of Twitter, Inc. Twitter, Inc. is authorized to sign modifications and consents on behalf of Twitter International Company, an Irish company responsible for the information of Twitter users who live outside the United States. Any attempted assignment in violation of this paragraph is null and void, and Twitter may terminate this Agreement. This Agreement does not create or imply any partnership, agency or joint venture. This Agreement will be governed by and construed in accordance with the laws of the State of California, without regard to or application of conflicts of law rules or principles. Any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the



determination of the scope or applicability of this Agreement to arbitrate, shall be determined by arbitration in San Francisco, CA before a single arbitrator. The arbitration shall be administered by JAMS pursuant to its Comprehensive Arbitration Rules and Procedures. Judgment on the Award may be entered in any court having jurisdiction. You and Twitter hereby expressly waive trial by jury. As an alternative, you may bring your claim in your local "small claims" court, if permitted by that small claims court's rules. You may bring claims only on your own behalf, and unless Twitter agrees, the arbitrator may not consolidate more than one person's claims. Despite

the foregoing, you agree that money damages would be an inadequate remedy for Twitter in the event of a breach or threatened breach of a provision of this Agreement protecting Twitter's intellectual property or Confidential Information, and that in the event of such a breach or threat, Twitter, in addition to any other remedies to which it is entitled, is entitled to such preliminary or injunctive relief (including an order prohibiting Company from taking actions in breach of such provisions), without the need for posting bond, and specific performance as may be appropriate. The parties agree that neither the United Nations Convention on Contracts for the International Sale of Goods, nor the Uniform Computer Information Transaction Act (UCITA) shall apply to this Agreement, regardless of the states in which the parties do business or are incorporated. No waiver by Twitter of any covenant or right under this Agreement will be effective unless memorialized in a writing duly authorized by Twitter. If any part of this Agreement is determined to be invalid or unenforceable by a court of competent jurisdiction, that provision will be enforced to the maximum extent permissible and the remaining provisions of this Agreement will remain in full force and effect.



## Coding Sample

Sample code for Twitter Developer Labs (check out <https://github.com/twitterdev/labs-sample-code> for more coding samples)

**\*BELOW IS RECENT SEARCH SAMPLE IN R**

```
library(httr)

library(jsonlite)
library(caTools)
library(dplyr)

# Replace the keys below from your Twitter app from
# https://developer.twitter.com/en/apps
api_key <- 'REPLACE_API_KEY'
api_secret <- 'REPLACE_API_SECRET'

encoded_keys <- base64encode(sprintf('%s:%s', api_key, api_secret))

access_token_request <-
  POST(url = 'https://api.twitter.com/oauth2/token',
       body = 'grant_type=client_credentials',
       add_headers
       (
         .headers = c(
           'Authorization' = sprintf('Basic %s', encoded_keys),
           'Content-Type' = 'application/x-www-form-urlencoded'
         )
       ))

access_token_body <- content(access_token_request, as = 'parsed')
access_token <- access_token_body$access_token

search_term <- 'snow -is:retweet lang:en'

recent_search_request <-
  GET(
    url = 'https://api.twitter.com/labs/2/tweets/search',
    query = list(query = search_term, max_results = 50),
    add_headers
    (
      .headers = c(
        'Authorization' = sprintf('Bearer %s', access_token),
```



```
      'Content-Type' = 'application/json'
    )
  )
)

recent_search_body <-
  content(
    recent_search_request,
    as = 'parsed',
    type = 'application/json',
    simplifyDataFrame = TRUE
  )

View(recent_search_body$data)
```