TSDR API Key Manager user guide

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About

We are implementing a new process for obtaining bulk data. You will now use a key to download bulk data in the Trademark Status and Document Retrieval (TSDR) system by using application programing interfaces (APIs). Rate limiting is enforced for each key.

An API key is a (approximately) 40 character string value that:

- Uniquely identifies you
- Gives you access to TSDR APIs
- Should be kept private and should not be shared

You will need to register to obtain a key from our enterprise API gateway server using your USPTO.gov account at http://my.uspto.gov/. The API gateway server will serve as a single point of entry into our other bulk APIs. After registering, you will append your key to your computerized HTTP download request to access data.

This document provides step-by-step instructions for the following:

- Request an API key.
- Using the key to download bulk data from TSDR.

Requesting a key

You can request a key by completing the following steps:

1. Sign in to the API Key Manager at https://account.uspto.gov/api-manager/.
    a. You will be first prompted to sign in to your USPTO.gov account.
    b. If you don't have a USPTO.gov account, you will need to create one. You can use the above link to do so.
    c. This works best with Chrome.

2. Select **TSDR (Trademark Search and Data Retrieval) API to download bulk Trademark Data** from the list and press the **Request API key** button.
    a. This page will automatically appear, once you sign in to your USPTO.gov account.

Welcome, User Name

Request API keys

Select an API

| TSDR (Trademark Search and Data Retrieval) API to download bulk Trademark Data ▾ | **Request API key** |

TSDR (Trademark Status Document Retrieval) APIs provide real-time access to the electronic file wrapper of U.S. Trademark applications and applications for Extensions of Protection, as well as, U.S. Trademark Registrations.

View documentation

3. Your API key is automatically generated and saved.

a. Do not share your key.

My API keys

		Show :	ALL ▾

API Name	Status	Key	Expiration Date ▾	Actions
TSDR (Trademark Search and Data Retrieval) API to download bulk Trademark Data	ACTIVE	···································· 👁	4/15/21	⟳ ✖

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Using your API key

Below are instructions and examples of how to use your API key.

Using Postman

Postman is an API development collaboration tool you can use to make your bulk data requests. You can download the tool from the Postman website. There is a free version for testing purposes. Once you have downloaded and installed it, use the following instructions to download a document:

1. Select **GET** HTTP method in the dropdown column and enter the URL of the document you want to download. For these instructions, we're using https://tsdrapi.uspto.gov/ts/cd/casestatus/sn78787878/download.pdf.
   a. You can get sample URL search queries in our appendix.

GET ▾	https://tsdrapi.uspto.gov/ts/cd/casestatus/sn78787878/download.pdf	Send ▾	Save ▾

2. Select **Headers**.
3. Enter in the **key** section "USPTO-API-KEY".
   a. You must enter "USPTO-API-KEY" exactly.
4. Enter the API key **value** that you received from the API Key Manager.
5. If you use a valid API key value, you will automatically receive a HTTP **status code** 200 along with the requested data. If you send too many requests in a given time period, you will receive a HTTP status code 429 instead indicating that you are exceeding the rate limits.
6. Since this request is a PDF document, it will not render by default in the **body** section. Click on **Save Response** and select the **Save to File** option to download the file.

Params	Authorizati	② Headers (8)	Body	Pre-request Script	Tests	Settings		Cookies Code

Headers 👁 7 hidden

	KEY	VALUE	DESCRIPTION	··· Bulk Edit Presets ▾
☑	USPTO-API-KEY ③	④ eyJhbGciOiJSUzUxMiIsInR5cCI6IkpXVCIsIng1dCI6Il8yN2dJSm9wU3 …		
	Key	Value	Description	

Body Cookies Headers (12) Test Results   ⑤ Status: 200 OK Time: 829 ms Size: 52.79 KB   Save Response ▾ ⑥

This response could not be previewed. Download the response to open it with an appropriate application.

Using curl

Curl is a command line interface used to test API. You can use the curl command on Linux, UNIX, and Mac OS. You can also use Cygwin in Windows.

1. Open a command terminal.
2. On a command line, you want to use the following commands:

Curl command	Description	Example
-i	This is for interactive; it includes the response headers in the response.	curl -i
-o	This is for the path of the file where the response is saved.	-o 78787878.pdf
-H	This submits the request for header information provided as key: value.	-H "USPTO-API-KEY: abcabcabcabcabcabcabcabc" **Note**: You will use the key you received. The sequence used here is for example only.
-X GET	This is the HTTP method followed by the TSDR URL. It instructs "read from database."	-X GET https://tsdrapi.upsto.gov/ts/cd/casestatus/sn78787878/download.pdf

Typed out, the command should look like this:

curl -i
 -o 78787878.pdf
 -X GET https://tsdrapi.upsto.gov/ts/cd/casestatus/sn78787878/download.pdf
 -H "USPTO-API-KEY: abcabcabcabcabcabcabcabc*"*

Appendix

Rate limit rules

Below are some standard rate limits that are subject to change depending on system availability and usage:

- All requests are rate limited at 60 requests per API Key per minute.
- PDF and ZIP downloads are rate limited at 4 requests per API Key per minute.
- Multi case PDF and ZIP downloads are rate limited at 4 requests per API Key per minute.

The following are off peak rate limits that will be in effect from 10 p.m. EST to 5 a.m. EST all seven days of week:

- All requests are rate limited at 120 requests per API Key per minute.
- PDF and ZIP downloads are rate limited at 12 requests per API Key per minute.
- Multi case PDF and ZIP downloads are rate limited at 12 requests per API Key per minute.

Sample URL search queries

A few sample URLs can be found below. We've selected some random case numbers to illustrate the URLs.

- Status for serial number 78787878 as a pdf

  https://tsdrapi.uspto.gov/ts/cd/casestatus/sn78787878/download.pdf

- Status for serial number 75757575 as a zip that includes XML and CSS files

  https://tsdrapi.uspto.gov/ts/cd/casestatus/sn75757575/content.zip

- Status for serial number 78787878 as a html

  https://tsdrapi.uspto.gov/ts/cd/casestatus/sn78787878/content

- Status for serial number 78787878 as XML

  https://tsdrapi.uspto.gov/ts/cd/casestatus/sn78787878/info.xml

- All documents for serial number 72131351 as a PDF

  https://tsdrapi.uspto.gov/ts/cd/casedocs/bundle.pdf?sn=72131351

- A full sized image of a trademark for a serial number 78787878

  https://tsdrapi.uspto.gov/ts/cd/rawImage/78787878

- All documents for reference number Z1231384 as a PDF

  https://tsdrapi.uspto.gov/ts/cd/casedocs/bundle.pdf?ref=Z1231384

- All documents for registration number 3,500,030 as a PDF

  https://tsdrapi.uspto.gov/ts/cd/casedocs/bundle.pdf?rn=3500030

- Documents sent/received on Nov. 30, 2003, for serial number 72-131351 as a PDF

  https://tsdrapi.uspto.gov/ts/cd/casedocs/bundle.pdf?sn=72131351&date=2003-11-30

- All specimens for serial numbers 72131351 and 76515878 as a single PDF

  https://tsdrapi.uspto.gov/ts/cd/casedocs/bundle.pdf?sn=72131351,76515878&type=SPE

- Metadata (in XML) about all documents for serial number 75008897 sent/received during 2006

  https://tsdrapi.uspto.gov/ts/cd/casedocs/bundle.xml?sn=75008897&fromDate=2006-01-01&toDate=2006-12-31

- Metadata (in XML) about all documents for international registration number 0835690 sorted from earliest to latest

  https://tsdrapi.uspto.gov/ts/cd/casedocs/bundle.xml?ir=0835690&sort=date:A

- The registration certificate for registration number 3,500,038 as a PDF

  https://tsdrapi.uspto.gov/ts/cd/casedocs/bundle.pdf?rn=3500038&category=RC

- The registration certificates for registration numbers 3,500,038 and 3,500,039 as a ZIP of their original TIFF images

  https://tsdrapi.uspto.gov/ts/cd/casedocs/bundle.zip?rn=3500038,3500039&category=RC

TM-LUS

- Retrieves the last update time when a prosecution history was updated on a case (XML Response)

  https://tsdrapi.uspto.gov/last-update/info.xml?sn=78787878

  curl -X GET 'https://tsdrapi.uspto.gov/last-update/info.xml?sn=78787878' -H 'accept: application/xml'

Response:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
        < CaseUpdateInfo xmlns="urn:us:gov:doc:uspto:trademark">
            < CaseData>
             < CaseStatusData/>
             < CaseProsecutionData>
                 <     LastModifiedDate>2020-10-14</LastModifiedDate>
             < /CaseProsecutionData>
             < CaseDocumentsData/>
             < /CaseData>
  </CaseUpdateInfo>
```

Successful retrieval of last update time:

Successful retrieval of last update time:

```xml
<?xml version="1.0" encoding="UTF-8"?>
        <CaseUpdateInfoList>
                <caseUpdateInfo>
                        <caseData>
                                <lastModifiedDate>string</lastModifiedDate>
                                <caseStatusData>
                                        <lastModifiedDate>string</lastModifiedDate>
                                </caseStatusData>
                                <caseProsecutionData>
                                        <lastModifiedDate>string</lastModifiedDate>
                                </caseProsecutionData>
                                <caseDocsData>
                                        <lastModifiedDate>string</lastModifiedDate>
                                </caseDocsData>
                        </caseData>
                        <name>string</name>
                        <value>string</value>
                </caseUpdateInfo>
        </CaseUpdateInfoList>
```

•   Retrieves the last update time when a prosecution history was updated on a case(JSON Response)
        https://tsdrapi.uspto.gov/last-update/info.json?sn=78787878

        curl -X GET https://tsdrapi.uspto.gov/last-update/info.json?sn=78787878 -H
'accept: application/json'

        Response:

```json
{
 "caseUpdateInfo": [
        {
          "caseData": {
                "caseProsecutionData": {
                 "lastModifiedDate": "2020-10-14"
                }
          },
          "serialNumber": "78787878"
        }
 ]
}
```

Successful retrieval of last update time

```
{
  "caseUpdateInfo": [
    {
      "caseData": {
        "lastModifiedDate": "string",
        "caseStatusData": {
          "lastModifiedDate": "string"
        },
        "caseProsecutionData": {
          "lastModifiedDate": "string"
        },
        "caseDocsData": {
          "lastModifiedDate": "string"
        }
      },
      "name": "string",
      "value": "string"
    }
  ]
}
```