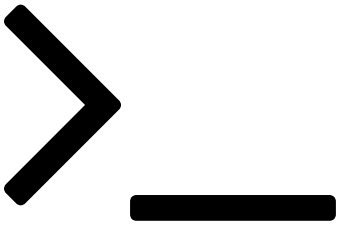


Shodan Command-Line Interface

```
easy_install shodan
```

Get your API Key (https://account.shodan.io)

Installation

The **shodan** command-line interface (CLI) is packaged with the official Python library for Shodan, which means if you're running the latest version of the library you already have access to the CLI. To install the new tool simply execute:

```
easy_install shodan
```

Or if you're running an older version of the Shodan Python library and want to upgrade:

```
easy_install -U shodan
```

Once the tool is installed you have to initialize the environment with your API key using **shodan init**

```
shodan init YOUR_API_KEY
```

You can get your API key from your Shodan account page located at:

Get your API Key (https://account.shodan.io)

Command Overview

The **shodan** CLI has a lot of commands, the most popular/ common ones are documented below. For the full list of commands just run the tool without any arguments:

```
$ shodan
```

count

Returns the number of results for a search query.

Example

```
$ shodan count microsoft iis 6.0
5310594
```

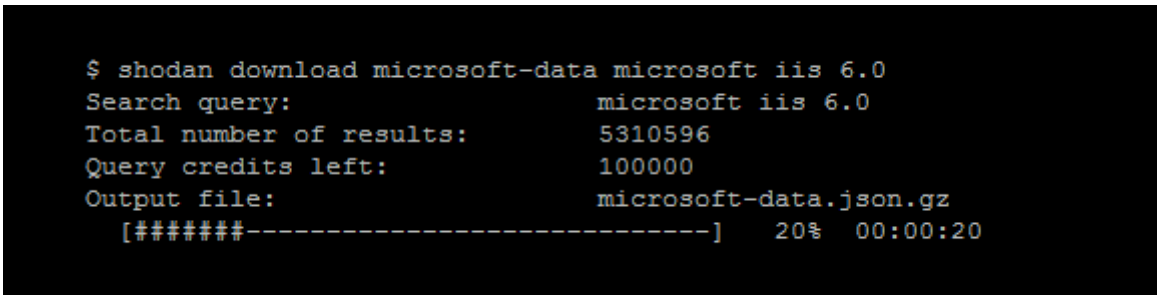
download

Search Shodan and download the results into a file where each line is a JSON banner. For more information on what the banner contains check out:

Banner Specification (https://developer.shodan.io/api/banner-specification)
By default it will only download 1,000 results, if you want to download more look at the **--limit** flag.

The **download** command is what you should be using most often when getting results from Shodan since it lets you save the results and process them afterwards using the **parse** command. Because paging through results uses query credits, it makes sense to always store searches that you're doing so you won't need to use query credits for a search you already did in the past.

Example

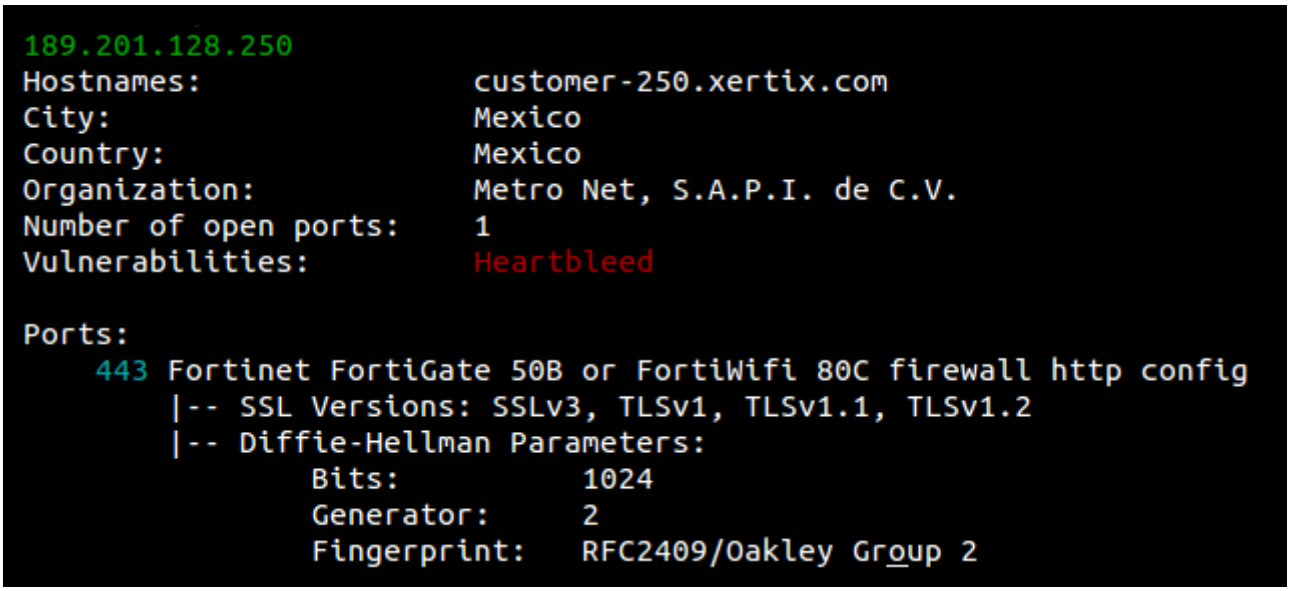


host

See information about the host such as where it's located, what ports are open and which organization owns the IP.

Example

```
$ shodan host 189.201.128.250
```



myip

Returns your Internet-facing IP address.

Example

```
$ shodan myip
199.30.49.210
```

parse

Use **parse** to analyze a file that was generated using the **download** command. It lets you filter out the fields that you're interested in, convert the JSON to a CSV and is friendly for pipe-ing to other scripts.

Example

The following command outputs the IP address, port and organization in CSV format for the previously downloaded Microsoft-IIS data:

```
$ shodan parse --fields ip_str,port,org --separator , microsoft-data.json.gz
```

```
216.28.245.171,80,Web Force Systems,
103.41.16.147,80,
218.244.142.211,80,China Network Information Center,
81.22.98.166,80,Kriter Internet Hiz.Ltd.Sti.,
75.149.30.138,443,Comcast Business Communications,
23.108.235.233,80,Nobis Technology Group, LLC,
207.57.69.157,8080,Verio Web Hosting,
66.129.113.13,80,Peak 10,
168.143.6.120,8080,Verio Web Hosting,
218.0.3.56,80,China Telecom Ningbo,
104.202.81.231,80,
98.191.178.20,443,Cox Communications,
108.186.164.90,80,Peg Tech,
23.105.63.236,80,Nobis Technology Group, LLC,
67.227.184.237,8443,Smash Data Design,
107.163.173.34,80,
185.22.198.84,80,Nexto SAS,
72.29.22.40,80,Cybercon,
216.119.84.188,80,CrystalTech Web Hosting,
104.221.145.60,80,
198.171.51.81,8080,Verio Web Hosting,
209.10.173.10,443,Quality Technology Services, N.J., LLC,
```

search

This command lets you search Shodan and view the results in a terminal-friendly way. By default it will display the IP, port, hostnames and data. You can use the **--fields** parameter to print whichever banner fields you're interested in.

Example

To search Microsoft IIS 6.0 and print out their IP, port, organization and hostnames use the following command:

```
$ shodan search --fields ip_str,port,org,hostnames microsoft iis 6.0
```

```
81.171.175.68    80      Star Technology Services Limited
178.73.238.43    80      Portlane Networks AB
113.245.76.199   5900    China Telecom HUNAN
149.210.160.163  80      Transip B.V.    nowarkrengelink.com
23.92.216.117    80      Res.pl Isp S.c. mailingrolout.com
202.69.233.212   443     Verio Web Hosting       kubota-rvc23-0727001.com
190.78.179.228   8080    CANTV Servicios, Venezuela      190-78-179-228.dyn.dsl.cantv.net
192.3.4.108      443     ColoCrossing    sxi.pw
160.246.182.223  80      Hayashi Telempu Co., Ltd.
198.104.15.120   443     Verio Web Hosting       wholesalechildrensclothing.com.au
208.64.139.67    80      Desync Networks 119-a.webmasters.com
212.227.51.115   443     1&1 Internet AG s535322526.online.de
75.98.17.22      443     Internap Network Services Corporation
178.208.77.241   81      McHost.Ru       v112059.vps.mcdir.ru
63.249.80.153    443     Cruzio  www12153.cruzio.com
87.243.209.223   8080    HotChilli Internet      static-87-243-209-223.adsl.hotchilli.net
183.89.74.87     81      3BB Broadband   mx-11-183.89.74-87.dynamic.3bb.co.th
178.236.77.90    80      Excellent Hosting Sweden AB
54.201.193.170   80      Amazon.com      ec2-54-201-193-170.us-west-2.compute.amazonaws.com
106.186.28.222   80      Linode, LLC     li608-222.members.linode.com
54.85.166.63     80      Merck and Co.   ec2-54-85-166-63.compute-1.amazonaws.com
208.131.128.136  80      WestHost        greenstreetstudios.org
```

Videos

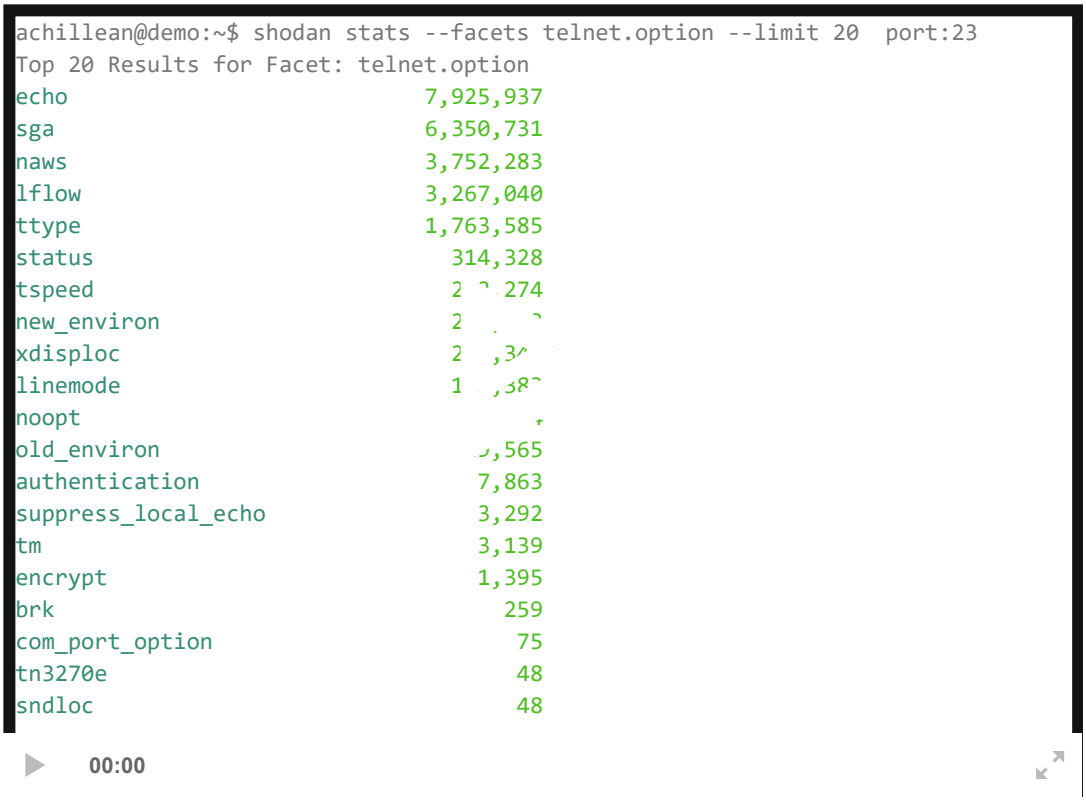
Getting a List of Top Website Hackers

```
HACKED BY Ghost99
HackeD bY Whoami
HACKED By M4G!C_MUN5H!
~[+]~ Hacked By W@X V@MP!R3 ~[+]~
~:: Hacked by Mr. DellatioNx196 :: ~.\
Hacked By Best Cracker
Hacked By Fares Ksa HackeR ~ &#1578;&#1605; &#1575;&#1604;&#1575;&#1582;&#1578;&
#1585;&#1575;&#1602; &#1605;&#1606; &#1602;&#1576;&#1604; &#1601;&#1575;&#1585;&
#1587; &#1575;&#1604;&#1587;&#1593 ?#1608;&#1583;&#1610;&#1607; &#1607;&#1603;&#
1585;
Hacked By Team Cyber Warriors
Hacked By Mr.NeMo
Hacked by United Islamic Cyber For
HACKED BY ERSYAD
Hacked By sHaMpoO
Hacked By Zentak
Hacked By Team System Dz
Hacked By GHoST61
Welcome to HackeD By Virus IRAQ | HackeD By Virus IRAQ
Hacked By 3xp1r3 Cr4ck - 3xp1r3 Cyber Army
Hacked by Zentak
 hacked by ox souhail
```

00:00

Recorded with asciinema

Analyzing Telnet Usage on the Internet



Recorded with asciinema