

### Common Commands

<b>search</b>	Searches Shodan and outputs results in a terminal-friendly manner
<b>count</b>	Returns the number of results for a search query
<b>stats</b>	Shows statistics using specified facets through a search query
<b>version</b>	Outputs the version of Shodan that is installed
<b>host [ip]</b>	Shows more information about the given host
<b>myip</b>	Shows your own IP address
<b>download*</b>	Downloads the results in JSON format
<b>parse</b>	Allows you to parse a JSON download
<b>domain</b>	Shows more information about the domain

\*Only downloads the first 1000 results by default.

### Common Flags

<b>--limit</b>	Limits the number of results
<b>--fields</b>	Comma-separated list of desired fields
<b>--separator</b>	Specifies the separator between fields
<b>--facets</b>	Used with <b>stats</b> command; comma-separated list of facets

### Common Search Fields

<b>ip_str</b>	The IP address of the banner
<b>asn</b>	The ASN or "block" of IP addresses the banner belongs to
<b>net</b>	Specifies the network the banner belongs to
<b>port</b>	The port number of the banner
<b>org</b>	The organization logged in the banner
<b>hostname</b>	Hostname for the banner
<b>os</b>	The operating system
<b>country</b>	The country of the banner
<b>city</b>	The city of the banner

### Common Facets

<b>port</b>	Sorts results by port number
<b>org</b>	Sorts results by organization
<b>city</b>	Sorts results by city
<b>country</b>	Sorts results by country
<b>ip</b>	Sorts results by IP address

### Common Facets (cont)

<b>domain</b>	Sorts results by domain name
<b>os</b>	Sorts results by OS
<b>state</b>	Sorts results by state

### Example Commands

<b>shodan search --fields ip_str,port,org,hostnames microsoft iis 6.0</b>	Displays results with the given columns for "microsoft iis 6.0"
<b>shodan host 144.756.3-24.535</b>	Displays information about the host
<b>shodan count microsoft iis 6.0</b>	Outputs the number of results
<b>shodan download Data microsoft iis 6.0</b>	Downloads results to a JSON file named "Data"
<b>shodan parse --fields ip_str,port,org --separator , Data.json.gz</b>	Analyzes the JSON file and outputs the columns with a comma as the separator
<b>domain google.com</b>	Shows information about the domain
<b>shodan search --limit 100 hostname:my_computer</b>	Searches for endpoints with the hostname "my_computer" and restricts to 100 results
<b>shodan stats --facets port net:198.20/16</b>	Searches for devices on the network and sorts results by port number

### Common Shodan.io Website Search Filters

<b>ip</b>	
<b>asn</b>	
<b>country</b>	
<b>hostname</b>	
<b>port</b>	
<b>os</b>	
<b>version</b>	
<b>tag*</b>	
<b>vuln*</b>	
Without any filters, Shodan.io only searches the <i>data</i> portion of a banner.	
*requires premium Shodan subscription	

