

Common Commands

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

*Only downloads the first 1000 results by default.

Common Flags

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

Common Search Fields

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

Common Facets

| | |
|----------------|-------------------------------|
| port | Sorts results by port number |
| org | Sorts results by organization |
| city | Sorts results by city |
| country | Sorts results by country |
| ip | Sorts results by IP address |

Common Facets (cont)

| | |
|---------------|------------------------------|
| domain | Sorts results by domain name |
| os | Sorts results by OS |
| state | Sorts results by state |

Example Commands

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

Common Shodan.io Website Search Filters

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

