

### Common General Search Filters

|                  |   |
|------------------|---|
| <b>ip:</b>       | Filter results by specific IP address.  |
| <b>asn:</b>      | Filter results by specific ASN ID.  |
| <b>hostname:</b> | Filter results by specific hostname.  |
| <b>port:</b>     | Filter results by specific port number of service.                                    |
| <b>net:</b>      | Filter results from specified CIDR block.   |
| <b>isp:</b>      | Filter results by devices assigned a particular address (space) from a specified ISP. |
| <b>city:</b>     | Filter results by specific city.  |
| <b>country:</b>  | Filter results by specific two-digit country code.                                    |
| <b>os:</b>       | Filter results by particular OS.  |
| <b>product:</b>  | Filter results by particular software.  |
| <b>version:</b>  | Filter results by specified version of software.                                      |

### Common Premium API Search Filters

|              |   |
|--------------|---|
| <b>vuln:</b> | Filter results by particular vulnerability ID (commonly CVE). |
| <b>tag:</b>  | Filter results by tags on device.                             |

### HTTP Filters

|                          |  |
|--------------------------|--|
| <b>http.c-component:</b> | Filter results by a particular web technology.               |
| <b>http.status:</b>      | Filter results by specific status code.                      |
| <b>http.html:</b>        | Filter results by strings found in HTML of files served.     |
| <b>http.title:</b>       | Filter results by string found in title of web pages served. |

### Common CLI Commands

|                   |  |
|-------------------|--|
| <b>count</b>      | Returns the number of results for a search.                      |
| <b>domain</b>     | View all available information for a domain.                     |
| <b>download</b>   | Download search results and save them in a compressed JSON file. |
| <b>honeyscore</b> | Check whether the IP is a honeypot or not.                       |
| <b>host</b>       | View all available information for an IP address.                |
| <b>parse</b>      | Extract information out of compressed JSON files.                |
| <b>scan</b>       | Scan an IP/ netblock using Shodan.                               |
| <b>search</b>     | Search the Shodan database.                                      |

### Common CLI Search Fields

|  |
|--|
| <b>ip_str</b>  |
| <b>port</b>  |
| <b>org</b>   |
| <b>hostnames</b>   |
| <b>os</b>  |
| <b>country</b>   |
| <b>city</b>  |
| These will display their values upon a search, but won't provide statistics. |

### Common CLI Stats Facets

|                       |
|-----------------------|
| <b>asn</b>            |
| <b>city</b>           |
| <b>country</b>        |
| <b>cloud.provider</b> |
| <b>cloud.service</b>  |
| <b>device</b>         |
| <b>domain</b>         |
| <b>ip</b>             |
| <b>org</b>            |
| <b>os</b>             |

### Common CLI Stats Facets (cont)

| version   |
|---|
| These will return statistical information about a given series of devices found on the public facing Internet. For example, it could be used to return the most common version found among devices running MariaDB in a particular ASN. |

### Use Case Examples

|   |  |  |
|---|--|--|
| <b>host: 8.8.8.8</b>  | <b>shodan host 8.8.8.8</b>   | Display information about a Google's public DNS.                   |
| <b>asn:15169 product:mysql</b>  | <b>shodan stats asn:15169 product:mysql</b>                                | Show information about devices within Google's ASN that run MySQL. |
| <b>microsoft iis 6.0</b>  | <b>shodan search --fields ip_str,port,-org,hostnames microsoft iis 6.0</b> | Detect IIS servers running on 6.0.                                 |
| <b>Navigate to https://honeyscore.shodan.io/ and enter target IP.</b> | <b>shodan honeyscore [TARGET]</b>  | Detect if given target is a honeypot or not.                       |

Column one is the search you would perform in the Web UI. Column two is the search you would perform using the CLI utility, and the third column is an explanation of the search.