Shodan Dork Cheat Sheet

General Search Queries

Query	Description	Example
city:"[city name]"	Find devices located in a specific city.	city:"New York"
country:"[country code]"	Search for devices in a specific country.	country:"US"
geo:"[latitude], [longitude]"	Search for devices at a specific geographical location.	geo:"40.7128,-74.0060"
hostname:"[hostname]"	Look for devices with a specific hostname.	hostname:"example.com"
net:"[IP range]"	Find devices within a certain IP range.	net:"192.168.1.0/24"
os:"[operating system]"	Search for devices running a specific operating system.	os:"Windows"
port:"[port number]"	Find devices with a specific open port.	port:22
org:"[organization name]"	Search for devices associated with a particular organization.	org:"Google"
isp:"[ISP name]"	Search for devices using a specific ISP.	isp:"Comcast"
product:"[product name]"	Find devices running a specific software product.	product:"Apache"
version:"[version number]"	Search for devices running a particular version of software.	version:"5.7"
has_screenshot:"true"	Find devices with available screenshots.	has_screenshot:true

Query	Description	Example
ssl.cert.subject.cn:"[common name]"	Search for SSL certificates with a specific common name.	ssl.cert.subject.cn:"example.com"
http.title:"[title text]"	Find web pages with a specific title.	http.title:"Welcome"
http.status_code:[code]	Search for devices returning a specific HTTP status code.	http.status_code:404
ssl:"[SSL keyword]"	Find devices with specific SSL configurations or details.	ssl:"SHA256"
before:"[date]" / after:"[date]"	Search for devices indexed before or after a certain date.	before:"2023-01-01"

Specific Applications and Services

Query	Description	Example
product:"[product name]"	Locate devices running a specific product.	product:"Apache"
version:"[version]"	Find devices running a specific software version.	version:"2.4.41"
"default password"	Find devices still using their default credentials (a major security risk).	"default password"
webcam	Search for internet-connected webcams.	webcam
ftp	Find devices with FTP services.	ftp
"X-Powered-By: PHP/[version]"	Locate servers running specific PHP versions.	"X-Powered-By: PHP/5.6"
iis:[version number]	Search for servers running a specific version of Microsoft IIS.	iis:8.5

Query	Description	Example
"MongoDB Server Information" port:27017	Identify exposed MongoDB databases on the default port.	"MongoDB Server Information" port:27017

Security Vulnerabilities and Weaknesses

Query	Description	Example
vuln:"[CVE-ID]"	Search for devices affected by a specific CVE (Common Vulnerabilities and Exposures) ID.	vuln:"CVE-2021-26855"
ssl.cert.expired:"true"	Find devices using expired SSL certificates.	ssl.cert.expired:true
"heartbleed" vuln	Search for devices vulnerable to the Heartbleed bug, a critical SSL/TLS vulnerability.	"heartbleed" vuln
"Authentication: disabled"	Find devices where authentication mechanisms are disabled, leaving them exposed.	"Authentication: disabled"
ssl:"TLSv1"	Locate devices using the outdated and insecure TLSv1 protocol.	ssl:"TLSv1"
http.component:"Drupal" vuln:"CVE-2018-7600"	Search for Drupal websites vulnerable to the Drupalgeddon2 vulnerability.	http.component:"Drupal" vuln:"CVE-2018-7600"

Example Complex Queries for Shodan

- **os:"Linux" port:"22" "SSH" country:"JP"**
- **product:"Apache" version:"2.4.7" -"200 OK"**
- **city:"New York" os:"Windows" port:"3389"**
- **net:"192.168.1.0/24" webcam**
- **org:"Google" ssl.cert.expired :"true"**
- **country:"DE" product:"MySQL" version:"5.5" "default password"**

Citations:

- https://denizhalil.com/2023/12/19/shodan-dork-cheat-sheet/