Boolean Logic

Joining Queries
Compose multiple statements using the terms and, or, and parentheses.

    ("Schneider Electric" or Dell) and 23.20.0.0/14

Datasets

IPv4
From a scan of all IPv4 space

Certificates
Search by parsed TLS certificated found in certificate transparency logs

Websites
Search data from scanning Alexa top 1million

IP Addresses & Subnets

Single IP Address
Search for findings on a single IP

    52.179.197.205   ip:52.179.197.205

IP Subnet by Range
Search across a specific range

    ip:[216.189.94.1 TO 216.189.94.32]

IP Subnet by CIDR
Search across a specific CIDR

    ip:216.189.94.0/27

Hostname
Search on a result of DNS "A" / host entry

    a:"panerabread.com"

Mail Servers
Search on DNS "MX" entries for domain

    mx:"panerabread.com"

Port
Find instances of active services on a port

    ports:21

Service
Search for instances of specific services

    protocols:"21/ftp"

Autonomous System Number (ASN)
Search by ASN

    autonomous_system.asn: 7018

Web Servers

Page's Title
Search for text in a page's title

    443.https.get.title:"index of /ftp"

Page's HTML Body
Search body of webpage for text string

    443.https.get.body:"XML-RPC server accepts"

Web Technologies
Search for specific web technologies

    443.https.get.metadata.product: php

TLS Version
Determine the most recent version supported

    443.https.tls.version:TLSv1.2

SSLv3
Find instances of SSLv3

    443.https.ssl_3.support:true

Expired Certificates
Search for expired HTTPS certs

    443.https.tls.certificate.parsed.validity.end:[2018-12-31 TO *]

Self-Signed Certificates
Search for expired HTTPS certs

    443.https.tls.certificate.parsed.signature.self_signed:true

Invalid Cert Signatures
Find invalid cert signatures

    443.https.tls.certificate.parsed.signature.valid:false

Trusted Certs
Determine trusted certs by browsers

    443.https.tls.validation.browser_trusted

Heartbleed
Find potential instances of Heartbleed vulnerability

    443.https.heartbleed.heartbleed_vulnerable:true

Last Updated

Date: Range
Search for hosts that were last seen and updated by Censys during a specified range.

    updated_at:[2018-12-15 TO 2018-12-31]

Physical Location

Country
Search by country code

    location.country_code:"US"

City
Search by city name

    location.city:Paris

Zip Code
Search by postal ZIP code

    location.postal_code:92127

Geo: Latitude Range
Search by GPS coordinates - Latitude

    location.latitude:[45.0 TO 59.0]

Geo: Longitude Range
Search by GPS coordinates - Latitude

    location.longitude:[15.0 TO 18.5]

OS, Product, & Manufacturer

Operating System
Search by operating system type

    metadata.os:Windows

Product (Web Service)
Search by known product name

    443.https.get.metadata.product:nginx

Manufacturer
Search for known manufacturers

    metadata.manufacturer:"Huawei"

Microsoft SMBv1
Search for instances of SMBv1

    445.smb.banner.smbv1_support:true

Common Tags

Common Useful Tags

    bacnet, CWMP, database, DSL/cable modem, embedded, Heartbleed, industrial control system, IPMI, IPP, known-private-key, modbus, mssql, mysql, network, oracle, postgres, printer, rdp, remote_display, raspberry pi, scada, smb, vnc