

目標網站資訊蒐集實作

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資訊蒐集介紹

- 資訊蒐集是滲透測試的第一個階段，目的是蒐集目標的所有資訊，以加速後續的漏洞識別與漏洞利用。資訊蒐集分成主動情蒐與被動情蒐：
- 被動情蒐：蒐集公開在網路中可被利用的資訊，例如 WHOIS 資訊、公司資訊（聯絡人信箱、名稱）等。
- 主動情蒐：直接與目標進行存取，透過掃描工具收集資訊，例如端口掃描、服務枚舉。

工具介紹

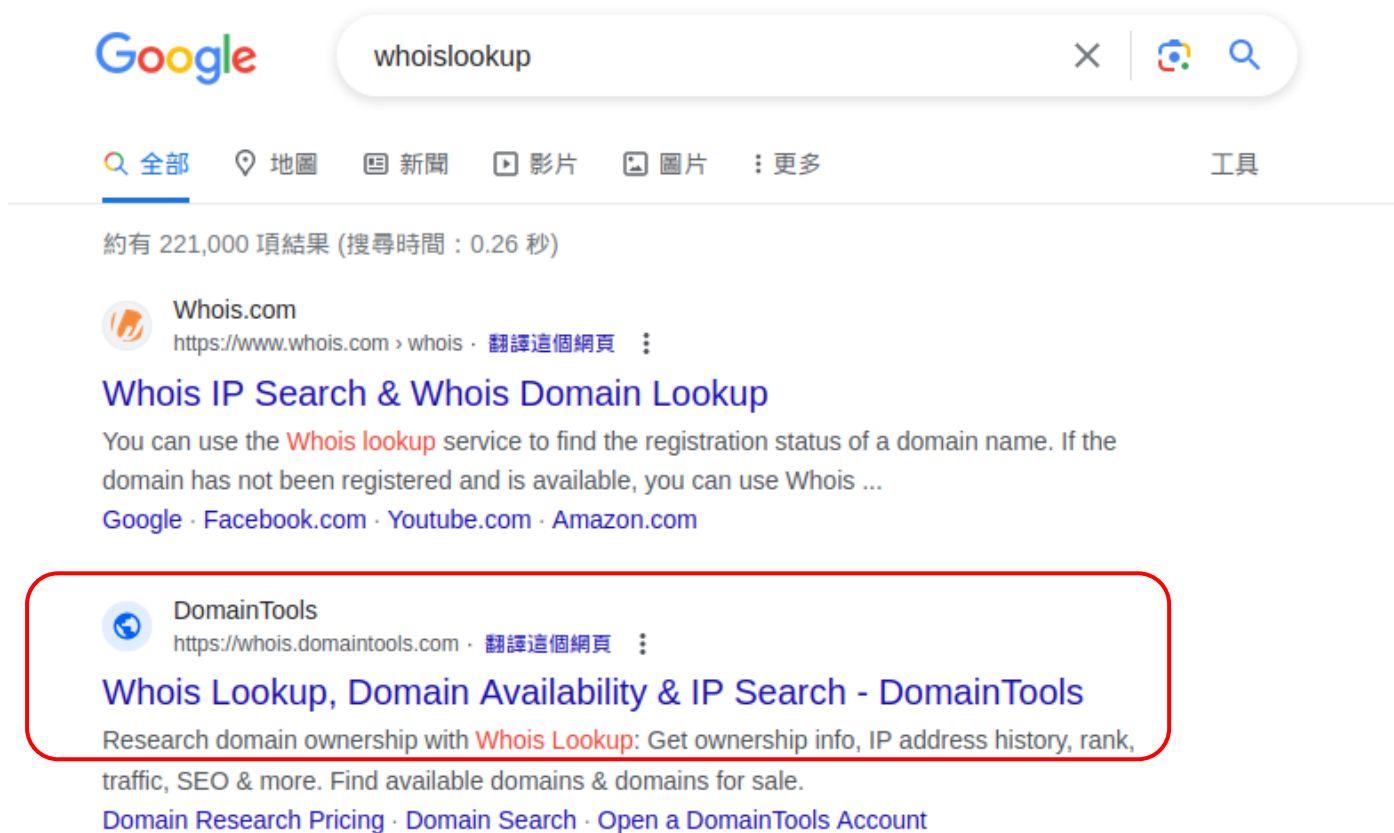
- Whois Lookup: 查詢目標網站所有者的資訊
- Netcraft Site Report: 顯示目標網站上使用的技術
- Robtex DNS: 顯示關於目標網站的全面DNS資訊
- Knock: 尋找目標網站子域名
- Dirb: 搜索目標網站的文件和目錄

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1. Whois Lookup

Google 搜尋 whoislookup




The image is a screenshot of a Google search results page for the query "whoislookup". At the top, the Google logo is on the left, and the search bar contains "whoislookup" with a clear button (X) and a search button (magnifying glass). Below the search bar, there are navigation links: "全部" (All), "地圖" (Maps), "新聞" (News), "影片" (Videos), "圖片" (Images), and "更多" (More), followed by a "工具" (Tools) link on the right. A horizontal line separates the navigation from the results. The first result is from "Whois.com" with the URL "https://www.whois.com/whois" and a link to "翻譯這個網頁" (Translate this page). The title is "Whois IP Search & Whois Domain Lookup". The description says: "You can use the Whois lookup service to find the registration status of a domain name. If the domain has not been registered and is available, you can use Whois ...". Below the description are links to "Google", "Facebook.com", "Youtube.com", and "Amazon.com". The second result is from "DomainTools" with the URL "https://whois.domaintools.com" and a link to "翻譯這個網頁" (Translate this page). The title is "Whois Lookup, Domain Availability & IP Search - DomainTools". The description says: "Research domain ownership with Whois Lookup: Get ownership info, IP address history, rank, traffic, SEO & more. Find available domains & domains for sale." Below the description are links to "Domain Research Pricing", "Domain Search", and "Open a DomainTools Account". A red rounded rectangle highlights the DomainTools result.

Google whoislookup

全部 地圖 新聞 影片 圖片 更多 工具


約有 221,000 項結果 (搜尋時間：0.26 秒)

 Whois.com
https://www.whois.com/whois · 翻譯這個網頁

Whois IP Search & Whois Domain Lookup

You can use the **Whois lookup** service to find the registration status of a domain name. If the domain has not been registered and is available, you can use Whois ...

[Google](#) · [Facebook.com](#) · [Youtube.com](#) · [Amazon.com](#)

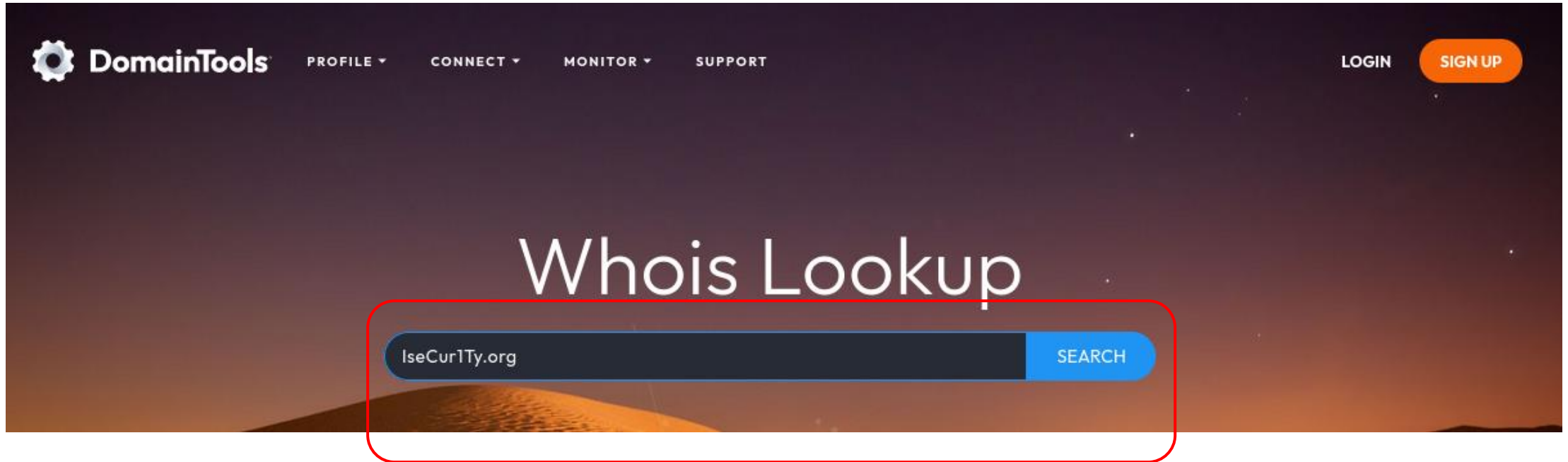
 DomainTools
https://whois.domaintools.com · 翻譯這個網頁

Whois Lookup, Domain Availability & IP Search - DomainTools

Research domain ownership with **Whois Lookup**: Get ownership info, IP address history, rank, traffic, SEO & more. Find available domains & domains for sale.

[Domain Research Pricing](#) · [Domain Search](#) · [Open a DomainTools Account](#)

輸入目標網站的domain



DomainTools


PROFILE ▾ CONNECT ▾ MONITOR ▾ SUPPORT

LOGIN SIGN UP

Whois Lookup

lseCurlTy.org SEARCH

即可獲得目標網站相關資訊(1/2)

 **DomainTools** [PROFILE](#) [CONNECT](#) [MONITOR](#) [SUPPORT](#)






[Home](#) > [Whois Lookup](#) > [IseCur1Ty.org](#)

Whois Record for IseCur1Ty.org

— Domain Profile

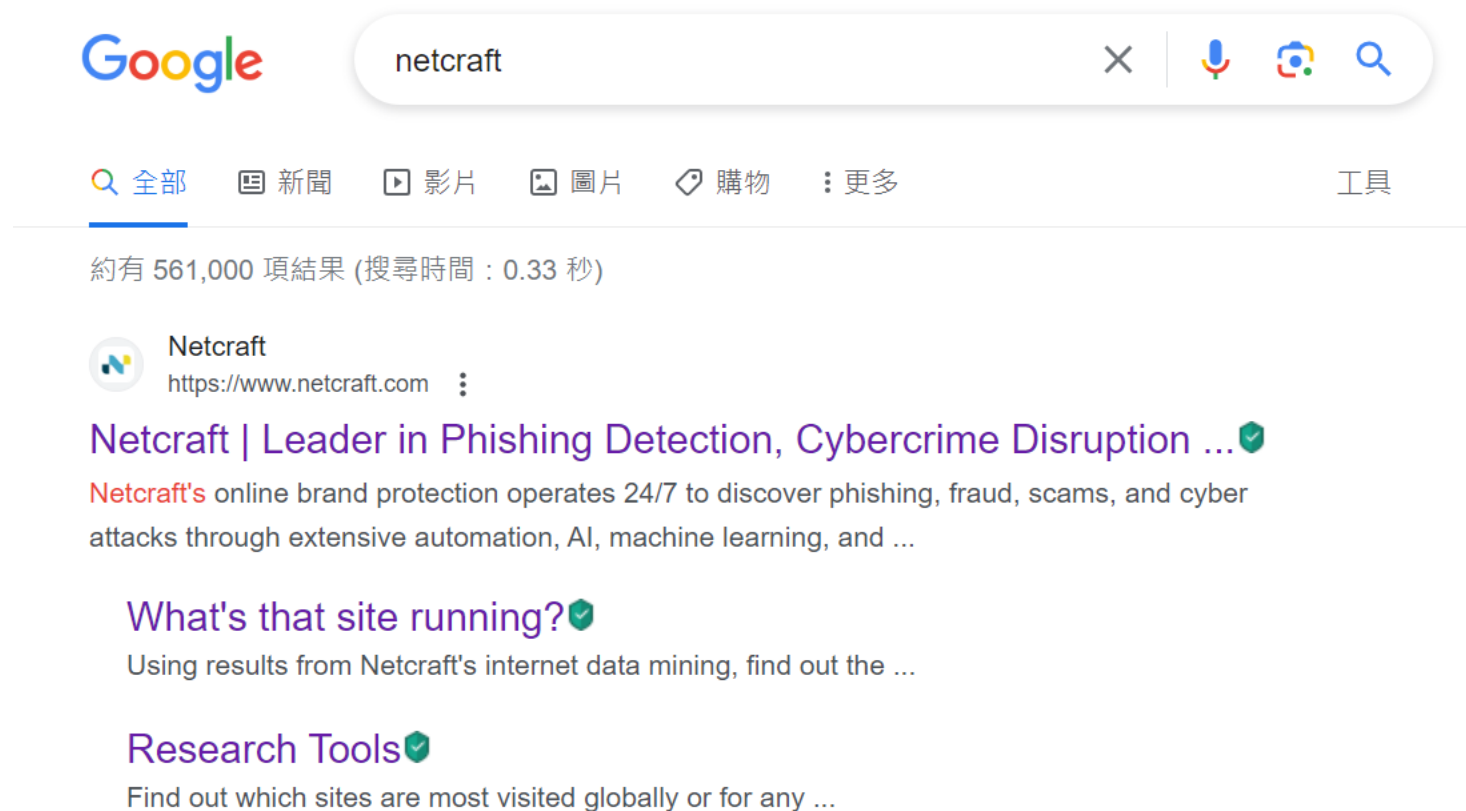
Registrar	Name.com, Inc. IANA ID: 625 URL: http://www.name.com Whois Server: http://whois.name.com abuse@name.com (p) +1.7203101849
Registrar Status	clientTransferProhibited, clientUpdateProhibited
Dates	5,437 days old Created on 2008-12-31 Expires on 2023-12-31 Updated on 2022-12-14
Name Servers	NS1.DIGITALOCEAN.COM (has 593,747 domains) NS2.DIGITALOCEAN.COM (has 593,747 domains) NS3.DIGITALOCEAN.COM (has 593,747 domains)

即可獲得目標網站相關資訊(2/2)

IP Address	46.101.29.109 is hosted on a dedicated server	
IP Location	 - Slough - Slough	
ASN	 AS14061 DIGITALOCEAN-ASN, US (registered Sep 25, 2012)	
Domain Status	Registered And No Website	
IP History	25 changes on 25 unique IP addresses over 14 years	
Hosting History	4 changes on 5 unique name servers over 14 years	

2. Netcraft Site Report

Google 搜尋 netcraft




The screenshot shows a Google search interface. At the top left is the Google logo. To its right is a search bar containing the text 'netcraft'. To the right of the search bar are icons for clearing the search, voice search, image search, and a magnifying glass. Below the search bar is a horizontal menu with icons and labels for '全部' (All), '新聞' (News), '影片' (Videos), '圖片' (Images), '購物' (Shopping), and '更多' (More). To the right of this menu is a link to '工具' (Tools). Below the menu, the search results are displayed. The first result is for 'Netcraft' with the URL 'https://www.netcraft.com'. The title of the result is 'Netcraft | Leader in Phishing Detection, Cybercrime Disruption ...'. Below the title is a snippet of text: 'Netcraft's online brand protection operates 24/7 to discover phishing, fraud, scams, and cyber attacks through extensive automation, AI, machine learning, and ...'. Below the snippet are three more links: 'What's that site running?', 'Research Tools', and 'Find out which sites are most visited globally or for any ...'.

Google

netcraft

全部 新聞 影片 圖片 購物 更多 工具

約有 561,000 項結果 (搜尋時間 : 0.33 秒)

 Netcraft
https://www.netcraft.com

Netcraft | Leader in Phishing Detection, Cybercrime Disruption ...

Netcraft's online brand protection operates 24/7 to discover phishing, fraud, scams, and cyber attacks through extensive automation, AI, machine learning, and ...

What's that site running?

Using results from Netcraft's internet data mining, find out the ...

Research Tools

Find out which sites are most visited globally or for any ...

選取 Site Report

Internet Research Tools



Site Report

Using results from our internet data mining, find out the technologies and infrastructure of any site.



Search DNS

Explore hostnames visited by users of the [Netcraft extensions](#). Search by domain or keyword.



Most Popular Sites

Find out which sites are most visited globally or for any country, as determined by users of

輸入目標網站domain

What's that site running?

Find out the infrastructure and technologies used by any site using results from our **internet data mining**

isecur1ty.org

Example: <https://www.netcraft.com>

LOOK UP



即可獲得目標網站相關資訊(1/3)

Site report for http://isecur1ty.org

► 🔍 Look up another site?

Share:     

▴ Background

Site title	Not Present	Date first seen	April 2009
Site rank	814899	Netcraft Risk Rating 	1/10 
Description	Not Present	Primary language	English

即可獲得目標網站相關資訊(2/3)

▼ Background

▼ Network

▼ SSL/TLS

▼ Hosting History

▼ Sender Policy Framework

▲ DMARC

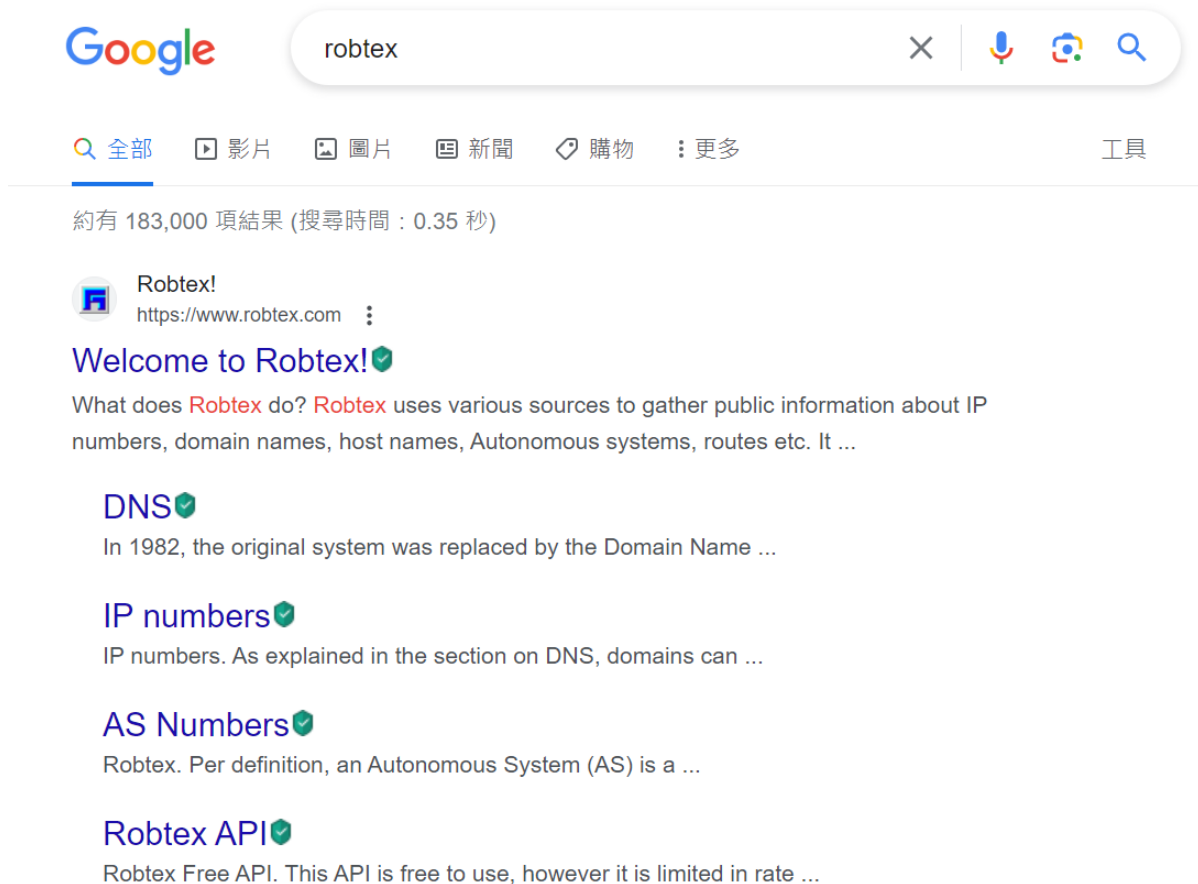
即可獲得目標網站相關資訊(3/3)

📁 Hosting History

Netblock owner	IP address	OS	Web server	Last seen
unknown	46.101.29.109	Linux	Apache/2.2.15 CentOS	25-Oct-2023
unknown	46.101.29.109	unknown	unknown	27-Jan-2022
Digital Ocean, Inc.	46.101.29.109	Linux	Apache/2.2.15 CentOS	25-Jan-2022
LeaseWeb Netherlands B.V.	5.79.97.48	-	Apache/2.2.31 Unix mod_ssl/2.2.31 OpenSSL/1.0.1e-fips mod_bwlimited/1.4 mod_fcgid/2.3.9	26-May-2017
LeaseWeb Netherlands B.V.	5.79.97.48	Linux	Apache/2.2.31 Unix mod_ssl/2.2.31 OpenSSL/1.0.1e-fips mod_bwlimited/1.4 mod_fcgid/2.3.9	9-Mar-2017
Keminet SHPK	91.217.73.140	Linux	Apache/2.2.31 Unix mod_ssl/2.2.31 OpenSSL/1.0.1e-fips mod_bwlimited/1.4 mod_fcgid/2.3.9	4-Nov-2015
LeaseWeb Netherlands B.V.	95.211.108.166	Linux	Apache	26-Aug-2014
LeaseWeb Netherlands B.V.	95.211.48.169	Linux	Dimofinf Hosting	10-Nov-2013
SoftLayer Technologies Inc. 1950 N Stemmons Freeway Dallas TX US 75207	74.53.226.138	Linux	Apache	9-May-2012

3. Robtex DNS


Google 搜尋 robtex



Google robtex

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約有 183,000 項結果 (搜尋時間：0.35 秒)

 Robtex!
<https://www.robtex.com>

Welcome to Robtex!

What does **Robtex** do? **Robtex** uses various sources to gather public information about IP numbers, domain names, host names, Autonomous systems, routes etc. It ...

DNS

In 1982, the original system was replaced by the Domain Name ...

IP numbers

IP numbers. As explained in the section on DNS, domains can ...

AS Numbers

Robtex. Per definition, an Autonomous System (AS) is a ...

Robtex API

Robtex Free API. This API is free to use, however it is limited in rate ...

輸入目標網站domain

Welcome to Robtex!

Start Writing Faster

QuillBot

Visit Site

qiqu.world

GO

可發現到相關來源

ANALYSIS

This section shows a quick analysis of the given host name or ip number.

Qiqu.world has two name servers and four IP numbers.

Cloudflare name servers

The name servers are [anna.ns.cloudflare.com](#) and [dan.ns.cloudflare.com](#).

What's the story behind the names of CloudFlare's name servers?

IP numbers

The IP numbers are [2400:cb00:2048:1::681b:8228](#), [2400:cb00:2048:1::681b:8328](#), [104.27.130.40](#) and [104.27.131.40](#). The IP numbers are in San Francisco, United States. They are hosted by CloudFlare, Inc..

Results found

[Qiqu.biz](#), [qiqu.cc](#), [qiqu.ch](#), [qiqu.cn](#), [qiqu.co](#), [qiqu.com](#), [qiqu.de](#), [qiqu.in](#), [qiqu.info](#), [qiqu.la](#), [qiqu.life](#) and [qiqu.live](#).

域名、伺服器

QUICK INFO	
Quick summary of the host name	
qiqu.world quick info	
General	
FQDN	qiqu.world
Host Name	
Domain Name	qiqu.world
Registry	world
TLD	world
DNS	
IP numbers	2400:cb00:2048:1::681b:8228 2400:cb00:2048:1::681b:8328 <u>104.27.130.40</u> <u>104.27.131.40</u>
Name servers	anna.ns.cloudflare.com dan.ns.cloudflare.com

SHARED

This section shows related hostnames and ipnumbers

IP numbers

2400:cb00:2048:1::681b:8

2400:cb00:2048:1::681b:8

104.27.130.40

104.27.131.40

4 results shown.

Sharing IP numbers

www.qiqu.world

1 results shown.

Name servers

anna.ns.cloudflare.com

dan.ns.cloudflare.com

2 results shown.

IP numbers of the name servers

2400:cb00:2049:1::adf5:3b6c

2606:4700:50::adf5:3a66

2803:f800:50::6ca2:c066

2803:f800:50::6ca2:c16c

2a06:98c1:50::ac40:2066

108.162.192.102

108.162.193.108

172.64.33.108

173.245.58.102

173.245.59.108

10 results shown.

Subdomains/Hostnames

Domains or hostnames one step under this domain or hostname.

www.qiqu.world

1 results shown.

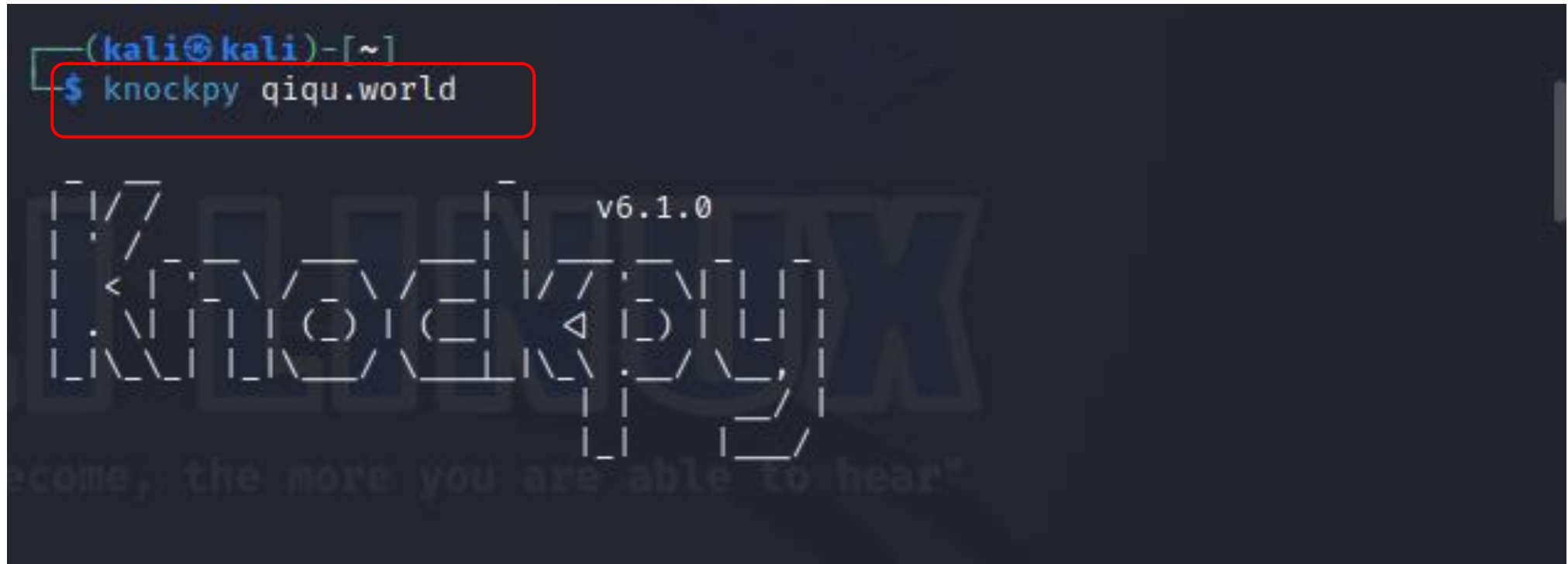
22

4. Knock

開啟kali linux command line

Command:
knockpy [目標網站domain]

```
(kali㉿kali)-[~]  
$ knockpy qiqu.world
```



v6.1.0

Knockpy

come, the more you are able to hear"

即可獲得相關的 Subdomain(1/3)

```
local: 10757 | remote: 3  
Wordlist: 10760 | Target: qiqu.world | Ip: 104.21.234.188
```

14:03:52

Ip address	Code	Subdomain	Server
	Real hostname		

(ctrl+c)	2.29%	administracion.qiqu.world	
(ctrl+c)	2.31%	administration.qiqu.world	
(ctrl+c)	2.33%	administrators.qiqu.world	
(ctrl+c)	2.80%	ag-kopf-moertz.qiqu.world	
(ctrl+c)	8.85%	bibliotecadigital.qiqu.world	
(ctrl+c)	9.11%	bioinformatics.qiqu.world	
(ctrl+c)	14.2%	cisco-capwap-controller.qiqu.world	
(ctrl+c)	14.3%	cisco-lwapp-controller.qiqu.world	
(ctrl+c)	14.8%	cloudflare-resolve-to.qiqu.world	
(ctrl+c)	15.7%	commerceserver.qiqu.world	
(ctrl+c)	15.8%	communications.qiqu.world	
(ctrl+c)	19.4%	customerservice.qiqu.world	

即可獲得相關的 Subdomain(2/3)

```
(ctrl+c) | 62.7% | panetale.com.qiqu.world  
(ctrl+c) | 63.4% | perlbai-release.qiqu.world  
(ctrl+c) | 66.0% | postaelettornica.qiqu.world  
(ctrl+c) | 66.2% | pozycjonowanie.qiqu.world  
(ctrl+c) | 66.6% | pre-production.qiqu.world  
(ctrl+c) | 67.1% | problemtracker.qiqu.world  
(ctrl+c) | 70.5% | release-chat-service.qiqu.world  
(ctrl+c) | 70.6% | release-commondata.qiqu.world  
(ctrl+c) | 71.5% | rideofthemoth.qiqu.world  
(ctrl+c) | 74.7% | sandd-dev-commondata.qiqu.world  
(ctrl+c) | 75.0% | savvis-admin-commondata.qiqu.world  
(ctrl+c) | 75.0% | savvis-dev-commondata.qiqu.world  
(ctrl+c) | 75.9% | segnalazioncloud.qiqu.world  
(ctrl+c) | 82.1% | staging-chat-service.qiqu.world  
(ctrl+c) | 82.2% | staging-commondata.qiqu.world  
(ctrl+c) | 83.3% | studentaffairs.qiqu.world  
(ctrl+c) | 84.0% | sustainability.qiqu.world  
(ctrl+c) | 85.7% | telechargement.qiqu.world  
(ctrl+c) | 85.9% | terminalserver.qiqu.world  
(ctrl+c) | 91.2% | veranstaltungen.qiqu.world  
(ctrl+c) | 91.6% | videoconferencia.qiqu.world  
104.21.234.189 200 video.qiqu.world cloudflare  
104.21.234.188 200 www.qiqu.world cloudflare
```

即可獲得相關的 Subdomain(3/3)

```
(ctrl+c) | 36.2% | holdingpattern.qiqu.world
(ctrl+c) | 37.1% | hovedbygget-gw.qiqu.world
(ctrl+c) | 37.1% | hovedbygget-gw4.qiqu.world
(ctrl+c) | 37.4% | humanresources.qiqu.world
(ctrl+c) | 47.6% | lyncdiscoverinternal.qiqu.world
95.217.111.135 200 ip.qiqu.world nginx
ip.kanwatch.com
(ctrl+c) | 56.4% | ngwnameserver2.qiqu.world
(ctrl+c) | 59.4% | ogrencikonseyi.qiqu.world
(ctrl+c) | 60.6% | origin-staging.qiqu.world
(ctrl+c) | 61.7% | panelstatsmail.qiqu.world
(ctrl+c) | 63.4% | perlbai-release.qiqu.world
(ctrl+c) | 66.0% | postaelettornica.qiqu.world
(ctrl+c) | 66.2% | pozycjonowanie.qiqu.world
```

5. Dirb

開啟 metasploitable2 中的 Mutillidae



網站頁面

The screenshot shows a web browser window with the address bar displaying `192.168.10.131/mutillidae/`. The browser's bookmark bar includes links to Kali Linux, Kali Tools, Kali Docs, Kali Forums, Kali NetHunter, Exploit-DB, Google Hacking DB, and OffSec.

The application header features a red and black bug icon and the title "Mutillidae: Born to be Hacked". Below the title, a status bar shows: "Version: 2.1.19", "Security Level: 0 (Hosed)", "Hints: Disabled (0 - I try harder)", and "Not Logged In". A navigation bar contains links: Home, Login/Register, Toggle Hints, Toggle Security, Reset DB, View Log, and View Captured Data.

A left sidebar menu includes: Core Controls, OWASP Top 10, Others, Documentation, and Resources. Below the menu is a blue circular icon and the text: "Site hacked...err...quality-tested with Samurai".

The main content area has a grey box with the text: "Mutillidae: Deliberately Vulnerable PHP Scripts Of OWASP Top 10". Below this, a section titled "Latest Version / Installation" contains a bulleted list of links: Latest Version, Installation Instructions, Usage Instructions, Get rid of those pesky PHP errors, Change Log, and Notes.

At the bottom, a grey box contains the text: "Samurai WTF and Backtrack contains all the tools needed or you may build your own collection".

使用 dirb 根據目標網路鏡進行目錄檢測

Command:
dirb [目標網站路徑]

```
(kali㉿kali)-[~]  
$ dirb http://192.168.10.131/mutillidae/
```

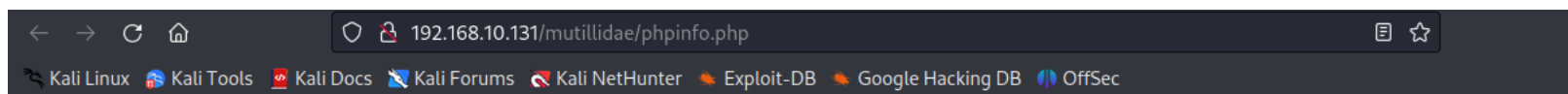
```
START_TIME: Wed Nov 22 03:12:43 2023  
URL_BASE: http://192.168.10.131/mutillidae/  
WORDLIST_FILES: /usr/share/dirb/wordlists/common.txt
```

發現相關重要目錄

```
=> DIRECTORY: http://192.168.10.131/mutillidae/javascript/  
+ http://192.168.10.131/mutillidae/login (CODE:200|SIZE:4102)  
+ http://192.168.10.131/mutillidae/notes (CODE:200|SIZE:1721)  
+ http://192.168.10.131/mutillidae/page-not-found (CODE:200|SIZE:705)  
  
=> DIRECTORY: http://192.168.10.131/mutillidae/passwords/  
+ http://192.168.10.131/mutillidae/phpinfo (CODE:200|SIZE:48903)  
+ http://192.168.10.131/mutillidae/phpinfo.php (CODE:200|SIZE:48915)  
+ http://192.168.10.131/mutillidae/phpMyAdmin (CODE:200|SIZE:174)  
+ http://192.168.10.131/mutillidae/register (CODE:200|SIZE:1823)  
+ http://192.168.10.131/mutillidae/robots (CODE:200|SIZE:160)  
+ http://192.168.10.131/mutillidae/robots.txt (CODE:200|SIZE:160)
```


實際查看

192.168.10.131/mutillidae/phpinfo.php



Secret PHP Server Configuration Page

[Back](#)

PHP Version 5.2.4-2ubuntu5.10



System	Linux metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686
Build Date	Jan 6 2010 21:50:12
Server API	CGI/FastCGI
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php5/cgi
Loaded Configuration File	/etc/php5/cgi/php.ini
Scan this dir for additional .ini files	/etc/php5/cgi/conf.d
additional .ini files parsed	/etc/php5/cgi/conf.d/gd.ini, /etc/php5/cgi/conf.d/mysql.ini, /etc/php5/cgi/conf.d/mysqli.ini, /etc/php5/cgi/conf.d/pdo.ini, /etc/php5/cgi/conf.d/pdo_mysql.ini
PHP API	20041225
PHP Extension	20060613
Zend Extension	220060519
Debug Build	no
Thread Safety	disabled

可看到系統資訊

使用的資料庫

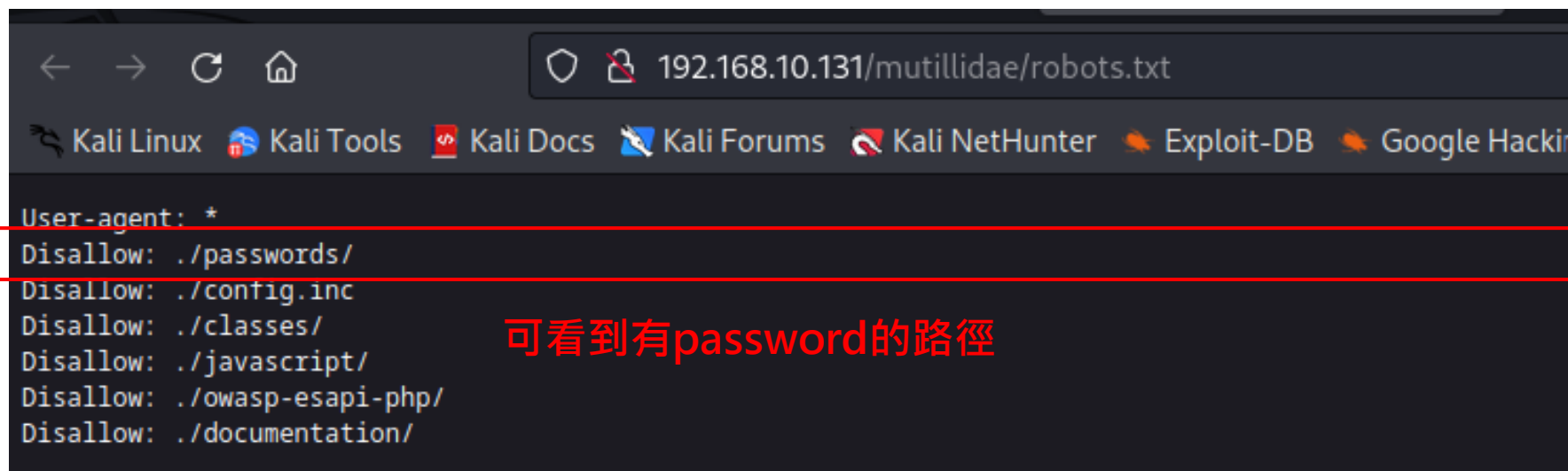
mysql

MySQL Support	enabled
Active Persistent Links	0
Active Links	0
Client API version	5.0.51a
MYSQL_MODULE_TYPE	external
MYSQL_SOCKET	/var/run/mysqld/mysqld.sock
MYSQL_INCLUDE	-I/usr/include/mysql
MYSQL_LIBS	-L/usr/lib -lmysqlclient

查看robot.txt

192.168.10.131/mutillidae/robot.txt

robot.txt 為不允許被蒐尋的路徑，代表都是存有重要資訊的路徑

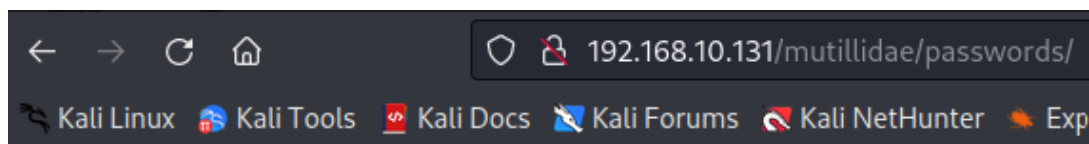


```
User-agent: *  
Disallow: ./passwords/  
Disallow: ./config.inc  
Disallow: ./classes/  
Disallow: ./javascript/  
Disallow: ./owasp-esapi-php/  
Disallow: ./documentation/
```

可看到有password的路徑

實際查看.password路徑

192.168.10.131/mutillidae/passwords

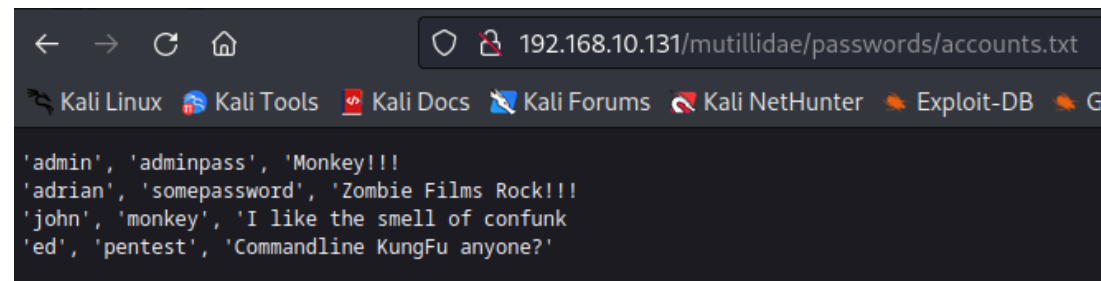


Index of /mutillidae/passwords

Name	Last modified	Size	Description
Parent Directory	-		
accounts.txt	11-Apr-2011 20:14	176	

Apache/2.2.8 (Ubuntu) DAV/2 Server at 192.168.10.131 Port 80

可發現 帳號與密碼



點選 accounts.txt

End