Uber's subdomains

Recon-ng Espial Linux

```
🕍 Kali Linux [Running] - Oracle VM VirtualBox
📉 🔲 🛅 🍃 🚳 🖸 🗸 🗎 2 3 4 🗎 🚳 🎅
                                                                                                                                                                                                                     damsith@kali: ~/Desktop/SubDomainizer
  File Actions Edit View Help
Selecting previously unselected package mailutils-mh.
Preparing to unpack .../7-mailutils-mh_1%3a3.15-3+b1_amd64.deb ...
Unpacking mailutils-mh (1:3.15-3+b1) ...
Unpacking mailutils-mh (1:3.15-3+b1) ... Setting up guile-3.0-libs:amd64 (3.0.8-2) ... Setting up libntlm0:amd64 (1.6-4) ... Setting up mailutils-common (1:3.15-3) ... Setting up libgssglue1:amd64 (0.7-1) ... Setting up libgssgl18:amd64 (2.2.0-1) ... Setting up gsasl-common (2.2.0-1) ... Setting up libmailutils9:amd64 (1:3.15-3+b1) ... Setting up mailutils-mh (1:3.15-3+b1) ... Processing triggers for libc-bin (2.36-4) ... Processing triggers for kali-menu (2022.4.1) ...
  (damsith@kali)-[~/Desktop/SubDomainizer]
$ nslookup -q=MX DOMAIN_NAME
 Server:
                         108.166.149.2
108.166.149.2#53
 Address:
  ** server can't find DOMAIN_NAME: NXDOMAIN
  (damsith@ kali)-[~/Desktop/SubDomainizer]

$ nslookup -q=MX uber.com

Server: 108.166.149.2

Address: 108.166.149.2#53
Address:
Non-authoritative answer:
uber.com mail exchanger = 10 alt3.aspmx.l.google.com.
uber.com mail exchanger = 10 alt4.aspmx.l.google.com.
uber.com mail exchanger = 5 alt1.aspmx.l.google.com.
uber.com mail exchanger = 5 alt2.aspmx.l.google.com.
uber.com mail exchanger = 2 aspmx.l.google.com.
 Authoritative answers can be found from:
  (damsith⊕kali)-[~/Desktop/SubDomainizer]
$ $ apt-get install host
-(damsith@kali)-[~/Desktop/SubDomainizer]
 apt-get install hos

E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)

E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?
   ____(damsith⊕kali)-[~/Desktop/SubDomainizer]

$ apt-get install hos
```

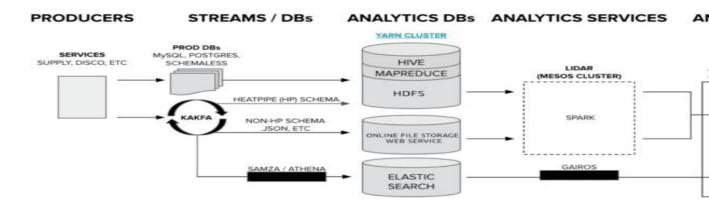
Uber's IP addresses

IP Address Ranges

- · IPv4 Ranges
- · IPv6 Ranges

Netblock	Company	Num of IPs
103.194.230.0/24	UBER SINGAPORE TECHNOLOGY PTE. LTD	256
103.194.231.0/24	UBER SINGAPORE TECHNOLOGY PTE. LTD	256
103.50.92.0/23	Uber Technologies, Inc	512
103.50.92.0/24	Uber Technologies, Inc	256
103.50.93.0/24	Uber Technologies, Inc	256
103.50.94.0/23	Uber Technologies, Inc	512
103.50.94.0/24	Uber Technologies, Inc	256
103.50.95.0/24	Uber Technologies, Inc	256
104.36.192.0/23	Uber Technologies, Inc	512
104.36.192.0/24	Uber Technologies, Inc	256
104.36.194.0/23	Uber Technologies, Inc	512
104.36.194.0/24	Uber Technologies, Inc	256
104.36.195.0/24	Uber Technologies, Inc	256
104.36.196.0/23	Uber Technologies, Inc	512
104.36.196.0/24	Uber Technologies, Inc	256
104.36.197.0/24	Uber Technologies, Inc	256
104.36.198.0/24	Uber Technologies, Inc	256
104.36.199.0/24	Uber Technologies, Inc	256

- 3 List all of Uber's website technology? Type of web server(s)
- Language(s)/stack
- Database(s) being used



Python, Mongo also MySqL Python ,Go,Java,also Node

Who hosts Uber's DNS?

uber.com

Updated 4 minutes ago

Domain Information Domain: uber.com Registrar: MarkMonitor Inc. Registered On: 1995-07-14 Expires On: 2028-07-12 Updated On: 2021-12-15 Status: clientDeleteProhibited clientTransferProhibited clientUpdateProhibited Name Servers: dns1.p04.nsone.net dns2.p04.nsone.net dns3.p04.nsone.net dns4.p04.nsone.net

edns126.ultradns.biz edns126.ultradns.com edns126.ultradns.net edns126.ultradns.org

Registrant Contact

Organization:

Uber Technologies, Inc.

State:

CA

Country:

US

Email:

Select Request Email Form at

https://domains.markmonitor.com/whois/uber.com

Administrative Contact

Organization:

Uber Technologies, Inc.

State:

CA

Country:

US

Email:

Select Request Email Form at

https://domains.markmonitor.com/whois/uber.com

Technical Contact

Organization:

Uber Technologies, Inc.

State:

CA

Country:

US

Email:

Select Request Email Form at

https://domains.markmonitor.com/whois/uber.com

Raw Whois Data

Domain Name: uber.com

Registry Domain ID: 2564976 DOMAIN COM-VRSN

```
Registrar WHOIS Server: whois.markmonitor.com
Registrar URL: http://www.markmonitor.com
Updated Date: 2021-12-15T22:42:22+0000
Creation Date: 1995-07-14T04:00:00+0000
Registrar Registration Expiration Date: 2028-07-12T07:00:00+0000
Registrar: MarkMonitor, Inc.
Registrar IANA ID: 292
Registrar Abuse Contact Email: abusecomplaints@markmonitor.com
Registrar Abuse Contact Phone: +1.2086851750
Domain Status: clientUpdateProhibited
(https://www.icann.org/epp#clientUpdateProhibited)
Domain Status: clientTransferProhibited
(https://www.icann.org/epp#clientTransferProhibited)
Domain Status: clientDeleteProhibited
(https://www.icann.org/epp#clientDeleteProhibited)
Registrant Organization: Uber Technologies, Inc.
Registrant State/Province: CA
Registrant Country: US
Registrant Email: Select Request Email Form at
https://domains.markmonitor.com/whois/uber.com
Admin Organization: Uber Technologies, Inc.
Admin State/Province: CA
Admin Country: US
Admin Email: Select Request Email Form at
https://domains.markmonitor.com/whois/uber.com
Tech Organization: Uber Technologies, Inc.
Tech State/Province: CA
```

```
Tech Country: US
Tech Email: Select Request Email Form at
https://domains.markmonitor.com/whois/uber.com
Name Server: dns1.p04.nsone.net
Name Server: dns2.p04.nsone.net
Name Server: dns3.p04.nsone.net
Name Server: edns126.ultradns.org
Name Server: edns126.ultradns.net
Name Server: edns126.ultradns.biz
Name Server: dns4.p04.nsone.net
Name Server: edns126.ultradns.com
DNSSEC: unsigned
URL of the ICANN WHOIS Data Problem Reporting System:
http://wdprs.internic.net/
>>> Last update of WHOIS database: 2023-01-01T17:42:35+0000 <<<
For more information on WHOIS status codes, please visit:
 https://www.icann.org/resources/pages/epp-status-codes
If you wish to contact this domain's Registrant, Administrative, or
Technical
contact, and such email address is not visible above, you may do so
via our web
form, pursuant to ICANN's Temporary Specification. To verify that
you are not a
robot, please enter your email address to receive a link to a page
that
facilitates email communication with the relevant contact(s).
```

Web-based WHOIS: https://domains.markmonitor.com/whois If you have a legitimate interest in viewing the non-public WHOIS details, send your request and the reasons for your request to whoisrequest @markmonitor.com and specify the domain name in the subject line. We will review that request and may ask for supporting documentation and explanation. The data in MarkMonitor's WHOIS database is provided for information purposes, and to assist persons in obtaining information about or related to a domain name's registration record. While MarkMonitor believes the data to be accurate, the data is provided "as is" with no guarantee or warranties regarding its accuracy. By submitting a WHOIS query, you agree that you will use this data only for lawful purposes and that, under no circumstances will you use this data to: (1) allow, enable, or otherwise support the transmission by email, telephone,

or facsimile of mass, unsolicited, commercial advertising, or spam;

or

```
(2) enable high volume, automated, or electronic processes that send queries,
data, or email to MarkMonitor (or its systems) or the domain name contacts (or
its systems).

MarkMonitor reserves the right to modify these terms at any time.

By submitting this query, you agree to abide by this policy.

MarkMonitor Domain Management(TM)

Protecting companies and consumers in a digital world.

Visit MarkMonitor at https://www.markmonitor.com

Contact us at +1.8007459229

In Europe, at +44.02032062220
```

What are the MX records for Uber?

[damsithm@localhost ~]\$ nslookup -q =MX <u>uber.com</u>

*** Invalid option: q
nslookup: couldn't get address for '<u>uber.com</u>': not found
[damsithm@localhost ~]\$ nslookup -q=MX <u>gmail.com</u>

Server: 108.166.149.2

Address: 108.166.149.2#53

Non-authoritative answer:

gmail.com mail exchanger = 30 alt3.gmail-smtp-in.l.google.com.
 gmail.com mail exchanger = 20 alt2.gmail-smtp-in.l.google.com.
 gmail.com mail exchanger = 40 alt4.gmail-smtp-in.l.google.com.
 gmail.com mail exchanger = 10 alt1.gmail-smtp-in.l.google.com.
 gmail.com mail exchanger = 5 gmail-smtp-in.l.google.com.

Authoritative answers can be found from: [damsithm@localhost ~]\$ nslookup -q=MX <u>uber.com</u> Server: 108.166.149.2 Address: 108.166.149.2#53 Non-authoritative answer: uber.com mail exchanger = 10 alt3.aspmx.l.google.com. uber.com mail exchanger = 10 alt4.aspmx.l.google.com. uber.com mail exchanger = 5 alt1.aspmx.l.google.com. uber.com mail exchanger = 5 alt2.aspmx.l.google.com. uber.com mail exchanger = 2 aspmx.l.google.com. Authoritative answers can be found from: [damsithm@localhost ~]\$ nslookup > ^C[damsithm@localhost ~]\$ nslookup Server: 108.166.149.2 Address: 108.166.149.2#53 ** server can't find >: NXDOMAIN > ^C[damsithm@localhost ~]\$ dig -t mx gmail.com ; <<>> DiG 9.11.36-RedHat-9.11.36-5.el8 7.2 <<>> -t mx gmail.com ;; global options: +cmd :: Got answer: ;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 41254 :: flags: gr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1 :; OPT PSEUDOSECTION: ; EDNS: version: 0, flags:; udp: 8192 :: QUESTION SECTION: ;qmail.com. IN MX ;; ANSWER SECTION: gmail.com. 3600 IN MX 20 alt2.gmail-smtp-in.l.google.com. gmail.com. 3600 IN MX 5 gmail-smtp-in.l.google.com. gmail.com. 3600 IN MX 40 alt4.gmail-smtp-in.l.google.com. gmail.com. 3600 IN MX 10 alt1.gmail-smtp-in.l.google.com. gmail.com. 3600 IN MX 30 alt3.gmail-smtp-in.l.google.com.

;; Query time: 30 msec ;; SERVER: 108.166.149.2#53(108.166.149.2) ;; WHEN: Sun Jan 01 13:57:32 EST 2023

```
;; MSG SIZE rcvd: 161
                                  [damsithm@localhost ~]$ dig -t mx uber.com
             ; <<>> DiG 9.11.36-RedHat-9.11.36-5.el8_7.2 <<>> -t mx uber.com
                                                       ;; global options: +cmd
                                                               ;; Got answer:
              ;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 35786
      ;; flags: gr rd ra; QUERY: 1, ANSWER: 5, AUTHORITY: 0, ADDITIONAL: 1
                                                  :: OPT PSEUDOSECTION:
                                          ; EDNS: version: 0, flags:; udp: 8192
                                                     ;; QUESTION SECTION:
                                                            ;uber.com. IN MX
                                                      :; ANSWER SECTION:
                             uber.com. 100 IN MX 10 alt3.aspmx.l.google.com.
                             uber.com. 100 IN MX 10 alt4.aspmx.l.google.com.
                              uber.com. 100 IN MX 5 alt1.aspmx.l.google.com.
                              uber.com. 100 IN MX 5 alt2.aspmx.l.google.com.
                                  uber.com. 100 IN MX 2 aspmx.l.google.com.
                                                       ;; Query time: 47 msec
                                ;; SERVER: 108.166.149.2#53(108.166.149.2)
                                     ;; WHEN: Sun Jan 01 13:57:47 EST 2023
                                                      ;; MSG SIZE rcvd: 152
                             [damsithm@localhost ~]$ dig +short mx uber.com
                                                  10 alt3.aspmx.l.google.com.
                                                  10 alt4.aspmx.l.google.com.
                                                   5 alt1.aspmx.l.google.com.
                                                   5 alt2.aspmx.l.google.com.
                                                       2 aspmx.l.google.com.
                                         What are the whois points of contact?
Registrant Contact
  Organization:
  Uber Technologies, Inc.
  State:
  CA
  Country:
  US
```

Email:

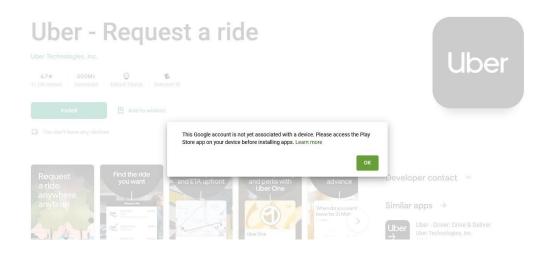
Select Request Email Form at https://domains.markmonitor.com/whois/uber.com **Administrative Contact** Organization: Uber Technologies, Inc. State: CA Country: US Email: Select Request Email Form at https://domains.markmonitor.com/whois/uber.com **Technical Contact** Organization: Uber Technologies, Inc. State: CA Country: US Email: Select Request Email Form at https://domains.markmonitor.com/whois/uber.com

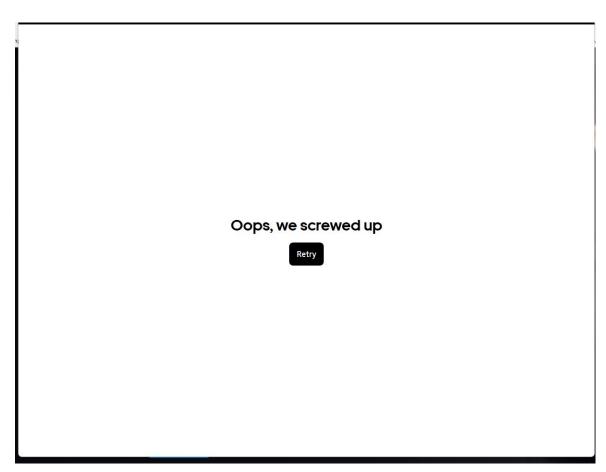
Identify 10 people that work at Uber?



Tried to register for account could not get indviudals email addresses web recon doesn't download for me

Was any Uber application source code obtainable? No in both instances this does not work tried windows app store tried download uber app did not work did however download and installed google play store as you can see require android device order proceed even though I have a google account





Uber headquarters in strarted San Francisco **Transportation service**,

How man	y services	were disco	overed run	ning on I	Uber's se	rvers an	d what
are they?							

How many	services	were di	scovered	running (on Ub	er's	servers	and	what a	are
they?										

___(damsith&kali)-[~]

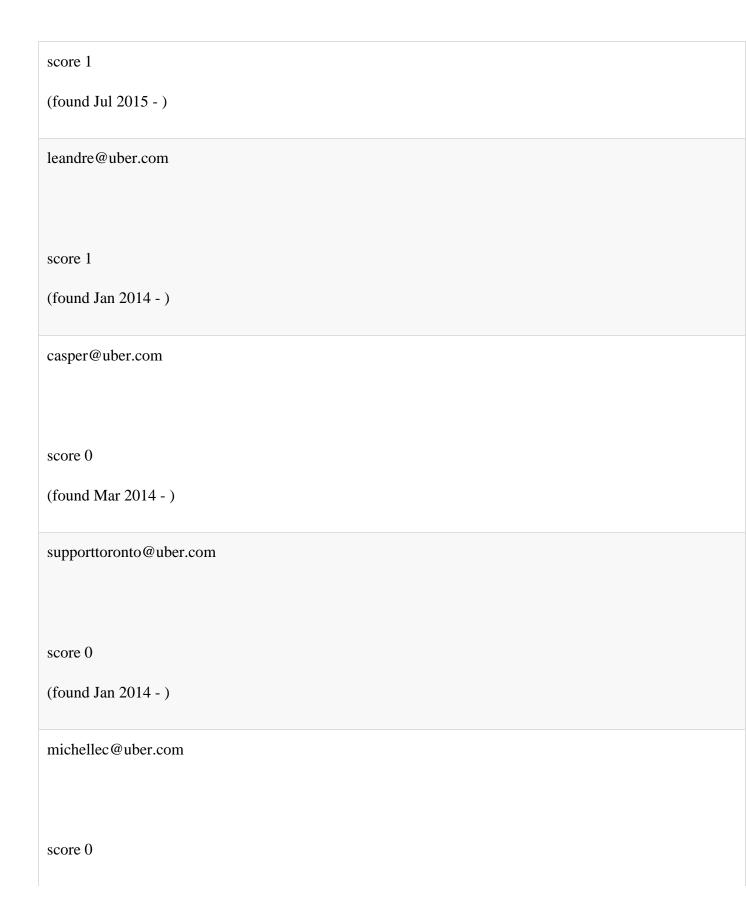
What is the naming convention of employee email addresses?

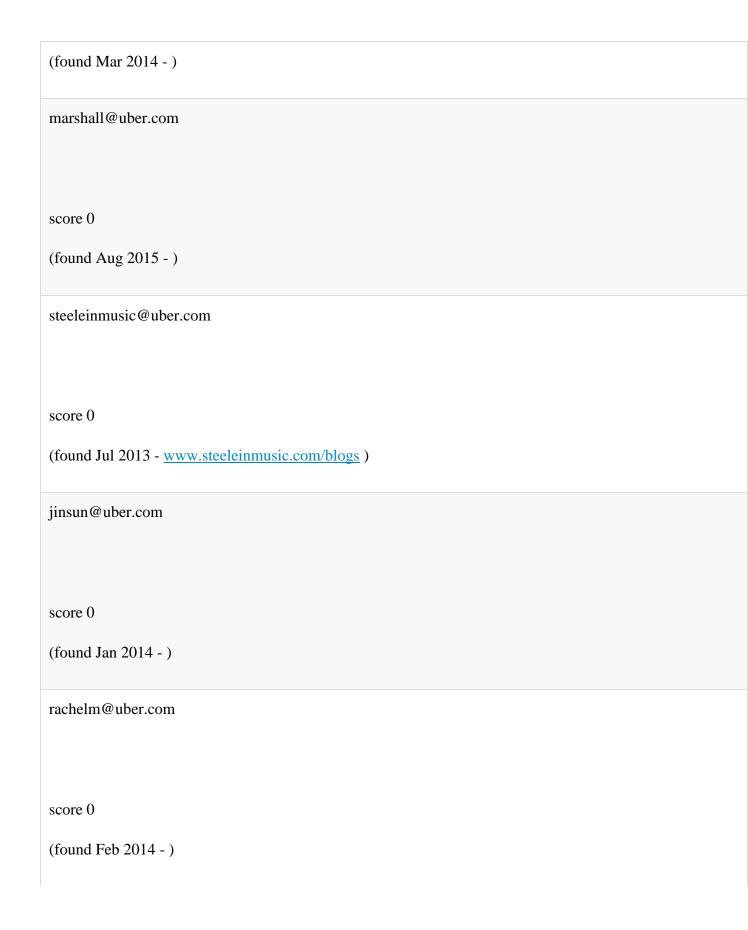
medium confidence

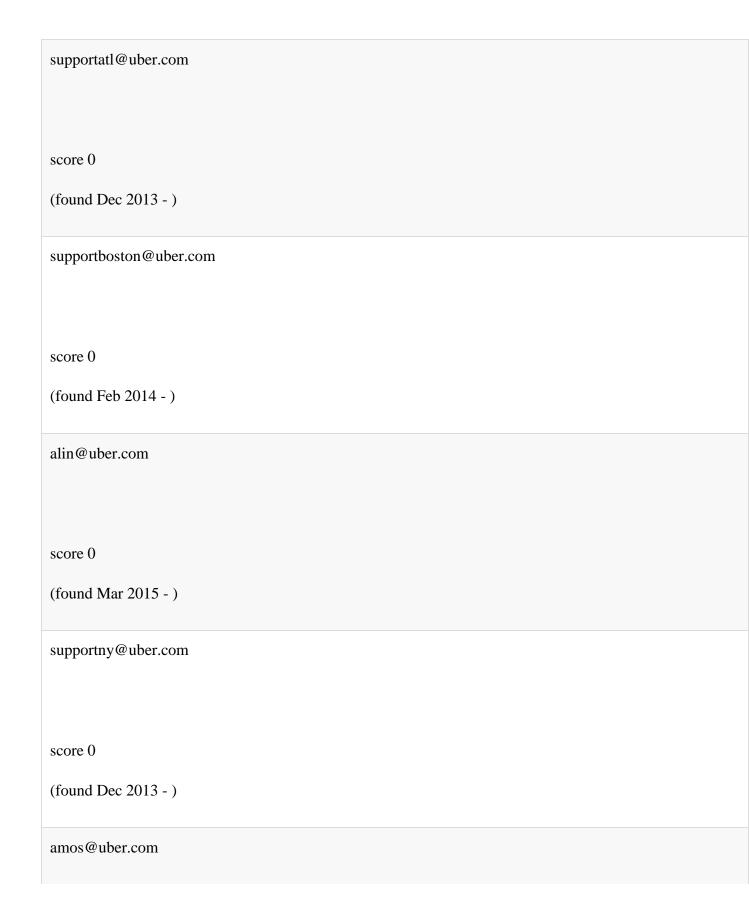
first_name last_name

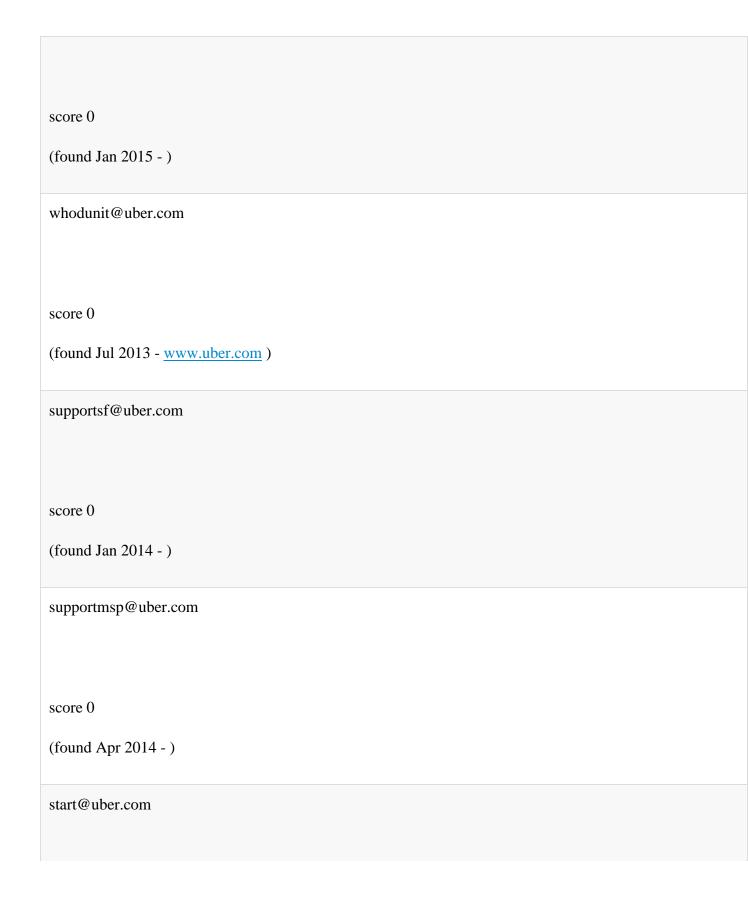
score 2 (found Apr 2015 -)

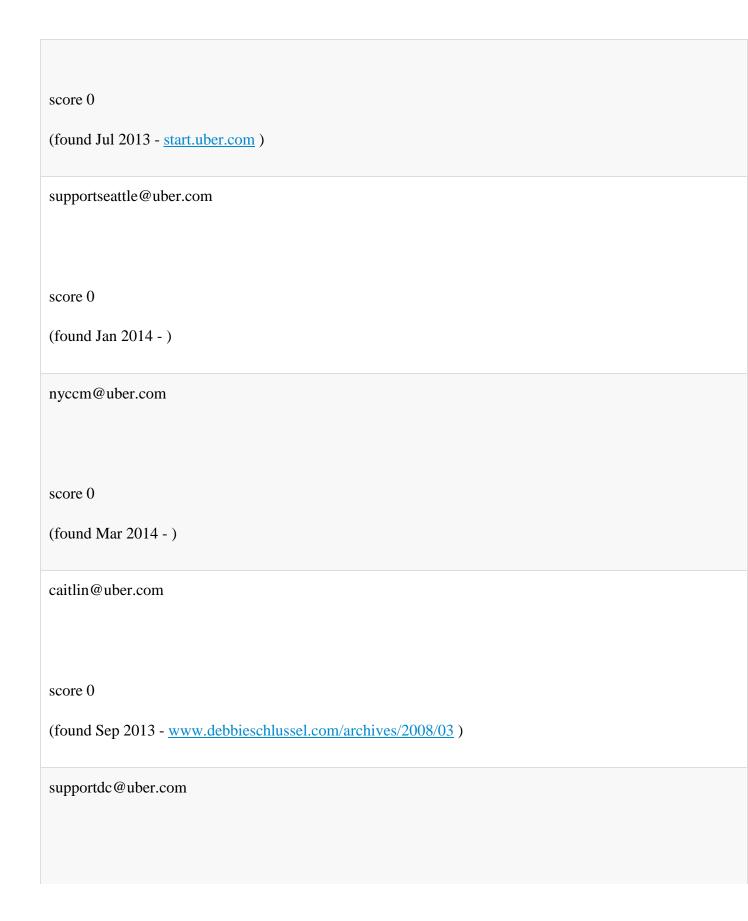
gaurav@uber.com

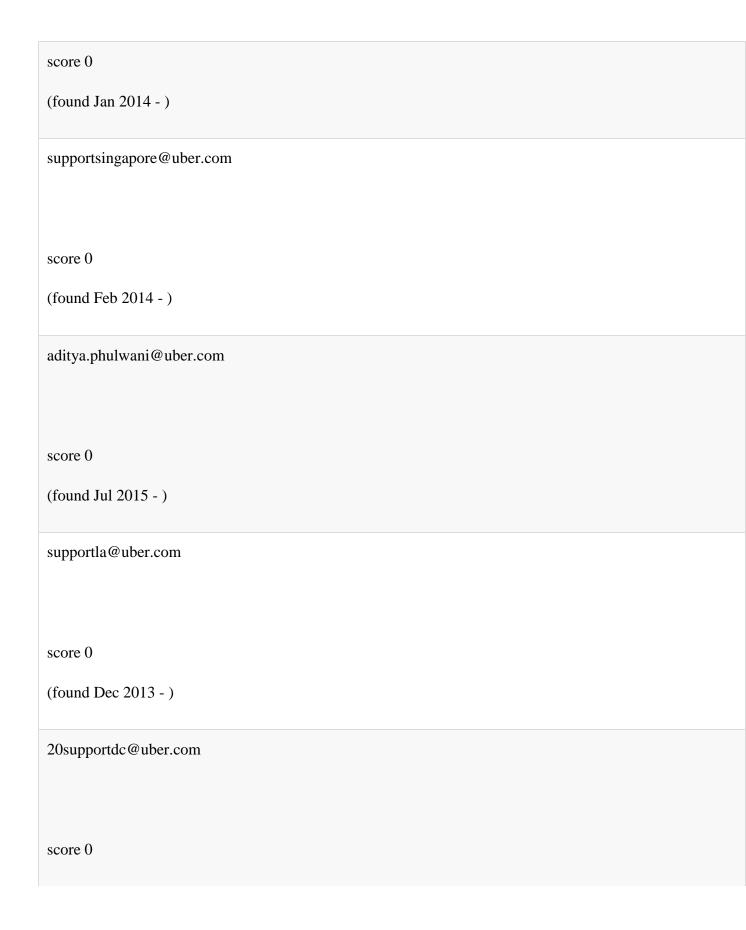


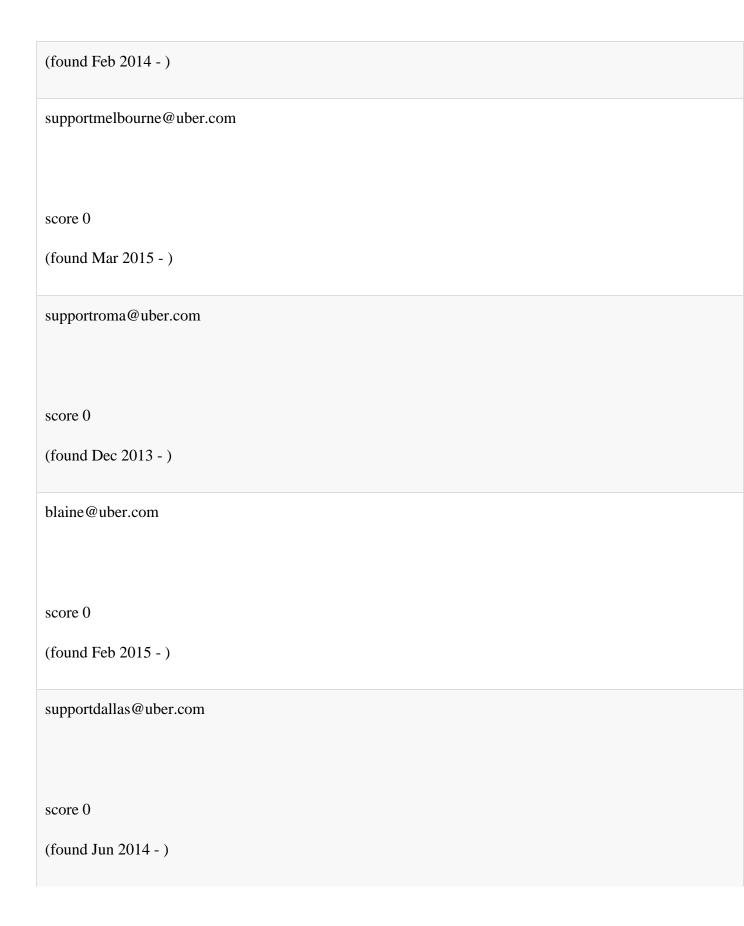


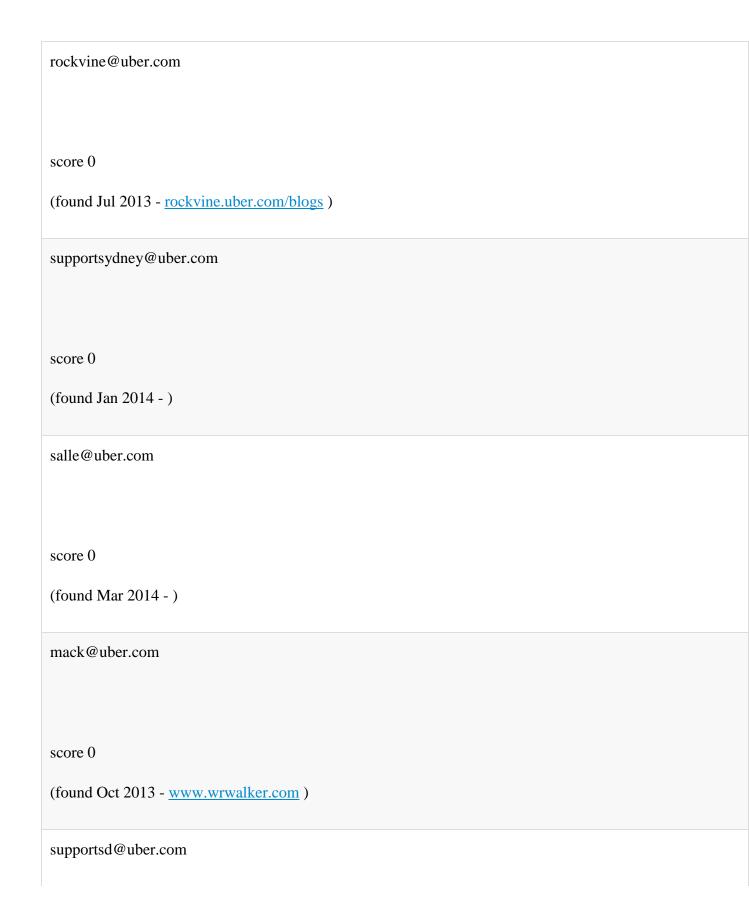


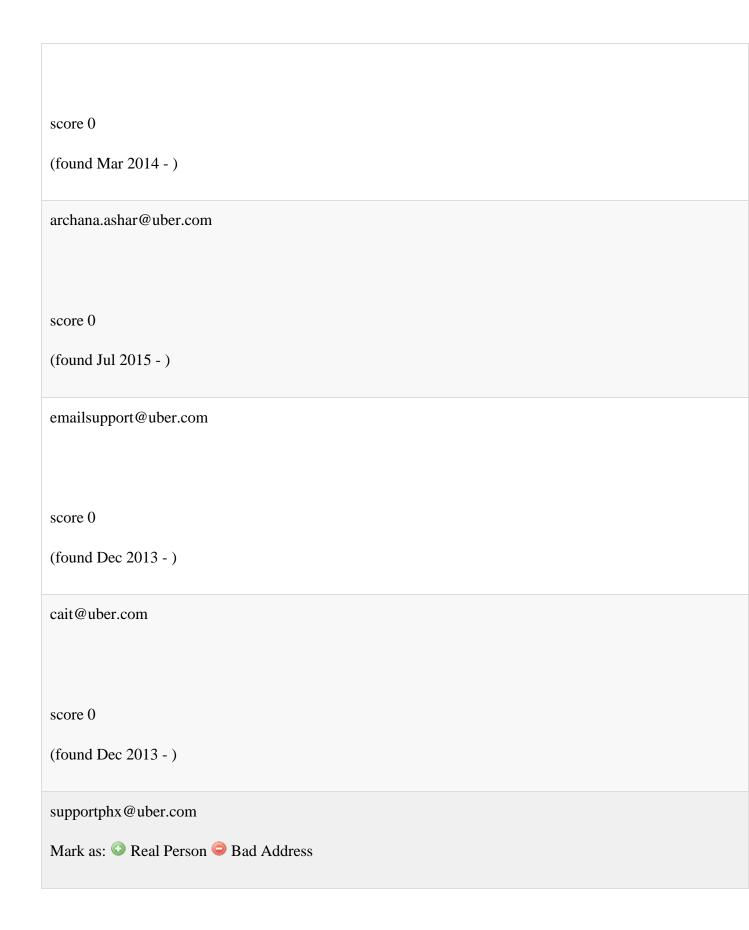












```
score 0
(found Mar 2015 - )
       e.g. JohnSmith@uber.com
       low confidence
     first_name
       e.g. John@uber.com
     last_name
       e.g. Smith@uber.com
     first_name last_initial
       e.g. JohnS@uber.com
```

last_name first_initial
e.g. SmithJ@uber.com
first_initial last_name
e.g. JSmith@uber.com
first_name _ last_initial
e.g. John_S@uber.com
first_name _ last_name
mot_name _ last_name
e.g. John_Smith@uber.com
first_name . last_name

e.g. John.Smith@uber.com

What employee email addresses were found?



Tried to register for account could not get indviudals email addresses web recon doesn't download for me can't login

What versions of SSL are supported?

slscan uber.com

Version: 2.0.15-static

OpenSSL 1.1.1q-dev xx XXX xxxx

Connected to 34.98.127.226

Testing SSL server uber.com on port 443 using SNI name uber.com

SSL/TLS Protocols:

SSLv2 disabled

SSLv3 disabled

TLSv1.0 disabled

TLSv1.1 disabled

TLSv1.2 enabled

TLSv1.3 enabled

TLS Fallback SCSV:

Server supports TLS Fallback SCSV

TLS renegotiation:

Session renegotiation not supported

TLS Compression:

Compression disabled

Heartbleed:

TLSv1.3 not vulnerable to heartbleed TLSv1.2 not vulnerable to heartbleed

Supported Server Cipher(s):

Preferred TLSv1.3 128 bits TLS_AES_128_GCM_SHA256 Curve 25519 DHE

253

Accepted TLSv1.3 256 bits TLS_AES_256_GCM_SHA384 Curve 25519 DHE

253

Accepted TLSv1.3 256 bits TLS_CHACHA20_POLY1305_SHA256 Curve 25519

DHE 253

Preferred TLSv1.2 256 bits ECDHE-RSA-CHACHA20-POLY1305 Curve 25519

DHE 253

Accepted TLSv1.2 128 bits ECDHE-RSA-AES128-GCM-SHA256 Curve 25519

DHE 253

Accepted TLSv1.2 256 bits ECDHE-RSA-AES256-GCM-SHA384 Curve 25519

DHE 253

Accepted TLSv1.2 128 bits ECDHE-RSA-AES128-SHA Curve 25519 DHE

253

Accepted TLSv1.2 256 bits ECDHE-RSA-AES256-SHA Curve 25519 DHE

253

Accepted TLSv1.2 128 bits AES128-GCM-SHA256

Accepted TLSv1.2 256 bits AES256-GCM-SHA384

Accepted TLSv1.2 128 bits AES128-SHA

Accepted TLSv1.2 256 bits AES256-SHA

Server Key Exchange Group(s):

TLSv1.3 128 bits secp256r1 (NIST P-256)

TLSv1.3 128 bits x25519

TLSv1.2 128 bits secp256r1 (NIST P-256)

TLSv1.2 128 bits x25519

SSL Certificate:

Signature Algorithm: sha256WithRSAEncryption

RSA Key Strength: 2048

Subject: *.uber.com

Altnames: DNS:*.uber.com, DNS:uber.com Issuer: DigiCert TLS RSA SHA256 2020 CA1

Not valid before: Sep 30 00:00:00 2022 GMT Not valid after: Oct 3 23:59:59 2023 GMT

How many APIs were discovered?

WEB### RECON		Login
	Client Login E-Mail or Username Username: Password: Password Password Login Forgot password?	

does not download from the site not working for me after account creation freetrial does not work

What are the highest risk vulnerabilities found?

INFO

Nessus SYN scanner

Description

This plugin is a SYN 'half-open' port scanner. It shall be reasonably quick even against a firewalled target.

Note that SYN scans are less intrusive than TCP (full connect) scans against broken services, but they might cause problems for less robust firewalls and also leave unclosed connections on the remote target, if the network is loaded.

Solution

Protect your target with an IP filter.

Output

Port 80/tcp was found to be open

To see debug logs, please visit individual host

Port Hosts
80 / tcp uber.com

Port 246/tcp was found to be open

To see debug logs, please visit individual host

Port

246 / tcp

Port 443/tcp was found to be open

To see debug logs, please visit individual host

Port

443 / tcp

Port 519/tcp was found to be open

To see debug logs, please visit individual host

Hosts uber.com

Hosts

uber.com

	Port
	519 / tcp
•	Port 693/tcp was found to be open
	To see debug logs, please visit individual host
	Port
	693 / tcp
•	Port 723/tcp was found to be open
	To see debug logs, please visit individual host
	Port
	723 / tcp
•	Port 1040/tcp was found to be open
	To see debug logs, please visit individual host
	Port
	1040 / tcp
•	Port 1097/tcp was found to be open To see debug logs, please visit individual host
	To see debug logs, please visit individual host Port
•	1097 / tcp Port 1253/tcp was found to be open
•	To see debug logs, please visit individual host
	Port
	1253 / tcp
	Port 1459/tcp was found to be open
	To see debug logs, please visit individual host
	Port
	1459 / tcp
	Port 1499/tcp was found to be open
	To see debug logs, please visit individual host
	Port
	1499 / tcp
•	Port 1781/tcp was found to be open
	To see debug logs, please visit individual host
	Port
	1781 / tcp
•	Port 1872/tcp was found to be open To see debug loss places visit individual host
	To see debug logs, please visit individual host Port
	1872 / tcp
•	Port 1927/tcp was found to be open To see debug logs, please visit individual host
	Port
	1927 / tcp
•	Port 2342/tcp was found to be open
	To see debug logs, please visit individual host

Hosts uber.com

Hosts uber.com

Hosts uber.com

> Hos ube

	Port	
	2342	/tcp
•	,	Port 2405/tcp was found to be open
		To see debug logs, please visit individual host
	Port	
	2405	/tcp
,	,	Port 2448/tcp was found to be open
		To see debug logs, please visit individual host
	Port	
	2448 /	/tcp
,	,	Port 2458/tcp was found to be open
		To see debug logs, please visit individual host
	Port	
	2458 /	/tcn
,	2 150 /	Port 2559/tcp was found to be open
		To see debug logs, please visit individual host
	Port	
	2559 /	/tcn
	2335/	Port 2633/tcp was found to be open
		To see debug logs, please visit individual host
	Port	6 · 6 · 7
	2633 /	/tcn
,	2033 /	Port 2721/tcp was found to be open
		To see debug logs, please visit individual host
	Port	
		/ton
,	2721 /	Port 2993/tcp was found to be open
		To see debug logs, please visit individual host
	Port	
		/tcn
,	2993 /	Port 3165/tcp was found to be open
		To see debug logs, please visit individual host
	Port	
		/tcn
,	3165 /	Port 3364/tcp was found to be open
		To see debug logs, please visit individual host
	Port	20 500 500 1050, presse visit marviadar nost
		/ top
	3364 /	Port 3374/tcp was found to be open
		To see debug logs, please visit individual host
	Port	10 bee debug 10gb, produce vibit individual nobt
		/ have
	3374 /	·
•		Port 3452/tcp was found to be open To see debug logs, please visit individual host
		10 bee debug 1055, pieuse visit murviduur most

Hos ube

```
Port
3452 / tcp
       Port 3545/tcp was found to be open
      To see debug logs, please visit individual host
Port
3545 / tcp
       Port 3595/tcp was found to be open
      To see debug logs, please visit individual host
Port
3595 / tcp
       Port 3627/tcp was found to be open
      To see debug logs, please visit individual host
Port
3627 / tcp
       Port 4885/tcp was found to be open
      To see debug logs, please visit individual host
Port
4885 / tcp
       Port 8206/tcp was found to be open
      To see debug logs, please visit individual host
Port
8206 / tcp
       Port 8733/tcp was found to be open
       To see debug logs, please visit individual host
Port
8733 / tcp
       Port 9909/tcp was found to be open
       To see debug logs, please visit individual host
Port
9909 / tcp
       Port 10607/tcp was found to be open
      To see debug logs, please visit individual host
Port
10607 / tcp
      Port 33568/tcp was found to be open
      To see debug logs, please visit individual host
Port
33568 / tcp
       Port 43188/tcp was found to be open
      To see debug logs, please visit individual host
Port
43188 / tcp
       Port 47000/tcp was found to be open
       To see debug logs, please visit individual host
```

Hos

ube

Port

47000 / tcp

What banner information was obtained?

dmitry -pb 104.36.192.0 Deepmagic Information Gathering Tool "There be some deep magic going on"

ERROR: Unable to locate Host Name for 104.36.192.0

Continuing with limited modules

HostIP:104.36.192.0

HostName:

Gathered TCP Port information for 104.36.192.0

Port State

---(root&kali)-[~]

└# dmitry -pb 104.36.192.0

Deepmagic Information Gathering Tool

"There be some deep magic going on"

ERROR: Unable to locate Host Name for 104.36.192.0

Continuing with limited modules

HostIP:104.36.192.0

HostName:

Gathered TCP Port information for 104.36.192.0

Port State

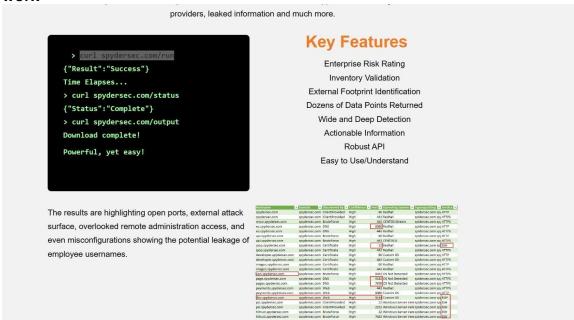
Do any Uber websites support BASIC authentication?

Web recon, Espial



does not download from the site not working for me after account creation freetrial does not work

Espial does not download or work afrter account creation still does not work



What breached Uber data was discovered?

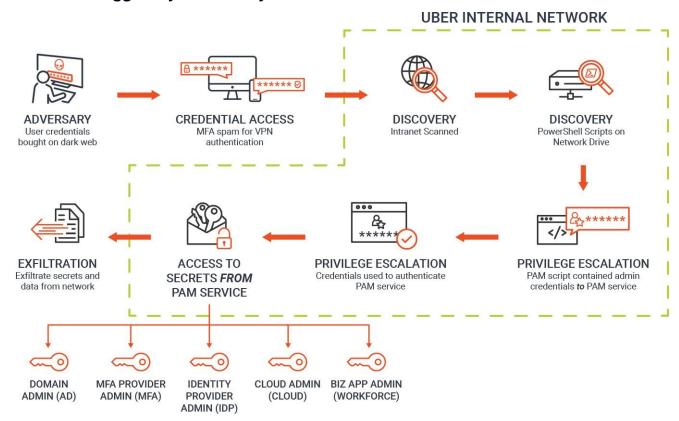
Do any Uber websites support BASIC authentication?

Web recon, Espial

WEB=== RECON		Login
	Client Login E-Mail or Username Username:	
	Password: Password Login Forgot password?	

does not download from the site not working for me after account creation freetrial does not work

What is Uber's biggest cyber security risk?



Uber IT enviroment by gaining acess to credentials to uber vpn common contractor who do noy have special preivilages to sensitive resources to network which exposes a power shell script to attacker previliage esclation Acess PAM System by having hard corded admin creditials for privilege acess mangment solution the acttacker was futher open privileges

data Exfilation while uber is still investigation the incident the company confimed attacker download slack messages as well access download information from internal tool our finance team to manage some invoices these are some security risks at uber

Referenes

https://theappsolutions.com/blog/development/uber-tech-stack/

https://www.whois.com/whois/uber.com