**CSS337: Secure Systems**

**Assignment 3: DNS Exploration**

* Pick a domain, and using the following tools that can query DNS, explore what you can learn about that domain. Recommended tools are nslookup, dig and whois.
  + chosen domain is chegg.com

1. What common host names are on the network?

* All available host servers are through AWS, with different org tags for different regional boundaries.
  + The following host names are consistent across each recon tool.
* chegg.com nameserver = ns-1026.awsdns-00.org
* chegg.com nameserver = ns-2045.awsdns-63.co.uk
* chegg.com nameserver = ns-289.awsdns-36.com
* chegg.com nameserver = ns-699.awsdns-23.net

1. If you look up a host name, and then do a reverse lookup from the IP to the host name, are they the same?

* Not in this case as chegg is hosted through AWS. This means that the specific IP address for the hosting server will direct us to Amazon's hosting servers that are responsible for handling chegg's web traffic.

1. What can you learn about the mail servers? Are they managed by that organization, or do they look like they're hosted?

* They appear to be hosted by an outfit with domain name messagelabs.com

1. What other information are you able to learn?

* as per the code block that immediately follows (information acquired via whois tool)

Registry Registrant ID:

Registrant Name: Domain Administrator

Registrant Organization: Chegg Inc.

Registrant Street: 3990 Freedom Circle,

Registrant City: Santa Clara

Registrant State/Province: CA

Registrant Postal Code: 95054

Registrant Country: US

Registrant Phone: +1.4088555700

Registrant Phone Ext:

Registrant Fax:

Registrant Fax Ext:

Registrant Email: domainrenewals@chegg.com

Registry Admin ID:

Admin Name: Domain Administrator

Admin Organization: Chegg Inc.

Admin Street: 3990 Freedom Circle,

Admin City: Santa Clara

Admin State/Province: CA

Admin Postal Code: 95054

Admin Country: US

Admin Phone: +1.4088555700

Admin Phone Ext:

Admin Fax:

Admin Fax Ext:

Admin Email: domainrenewals@chegg.com

Registry Tech ID:

Tech Name: Domain Administrator

Tech Organization: Chegg Inc.

Tech Street: 3990 Freedom Circle,

Tech City: Santa Clara

Tech State/Province: CA

Tech Postal Code: 95054

Tech Country: US

Tech Phone: +1.4088555700

Tech Phone Ext:

Tech Fax:

Tech Fax Ext:

Tech Email: domainrenewals@chegg.com

* We learned the physical location of the company's headquarters, and their contact phone number and email... Pretty lame I admit.
* We also learned that services hosted through AWS are hard targets for network reconnaissance

**Additional note on submission materials:**

I found it rather difficult to keep the many screen-shot saved images straight with how they related to each question as I experimented in the command console using the various recon tools.

So, instead of submit an incoherent mess of screen images from my time spent on the assignment, I created the following block quotes which I copy pasted into this document as I went along.

Because I had to do some rather janky workarounds to get the tools to work right in my windows computer -- my Linux install kind of broke when I was attempting to convert it from Ubuntu to Arch Linux distro last week -- **I omitted some of the output** from when I was experimenting with installation and output validation tutorials on the web.

nslookup command line output for chegg.com

Microsoft Windows [Version 10.0.16299.192] (c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Peter>nslookup Default Server: UnKnown Address: 192.168.0.1

> chegg.com

Server: UnKnown

Address: 192.168.0.1

Non-authoritative answer:

Name: chegg.com

Addresses: 50.112.145.222

54.236.238.201

> set type=mx

> chegg.com

Server: UnKnown

Address: 192.168.0.1

Non-authoritative answer:

chegg.com MX preference = 20, mail exchanger = cluster6a.us.messagelabs.com

chegg.com MX preference = 10, mail exchanger = cluster6.us.messagelabs.com

> set type=a

> chegg.com

Server: UnKnown

Address: 192.168.0.1

Non-authoritative answer:

Name: chegg.com

Addresses: 50.112.145.222

54.236.238.201

> set type=txt

> chegg.com

Server: UnKnown

Address: 192.168.0.1

Non-authoritative answer:

chegg.com text =

"google-site-verification=toj1VRJpvynNZoKUzR-m5A2dSOvkGUhIy41XdUWfAC8"

chegg.com text =

"v=spf1 include:spf-sml.chegg.com include:spf-v.chegg.com include:spf.protection.outlook.com include:spf.clearslide.com ip4:199.58.140.0/22 include:\_spf.jobvite.com include:smarteru.com include:neovation.com ~all"

> set type=ns

> chegg.com

Server: UnKnown

Address: 192.168.0.1

Non-authoritative answer:

chegg.com nameserver = ns-1026.awsdns-00.org

chegg.com nameserver = ns-2045.awsdns-63.co.uk

chegg.com nameserver = ns-289.awsdns-36.com

chegg.com nameserver = ns-699.awsdns-23.net

ns-1026.awsdns-00.org internet address = 205.251.196.2

ns-1026.awsdns-00.org AAAA IPv6 address = 2600:9000:5304:200::1

ns-2045.awsdns-63.co.uk internet address = 205.251.199.253

ns-2045.awsdns-63.co.uk AAAA IPv6 address = 2600:9000:5307:fd00::1

ns-289.awsdns-36.com internet address = 205.251.193.33

ns-289.awsdns-36.com AAAA IPv6 address = 2600:9000:5301:2100::1

ns-699.awsdns-23.net internet address = 205.251.194.187

ns-699.awsdns-23.net AAAA IPv6 address = 2600:9000:5302:bb00::1

>

dig command line output for chegg.com

C:\Users\Peter\GitHub\_remotes\dig\_win64\_distro>dig

; <<>> DiG 9.10.6-P1 <<>>

;; global options: +cmd

;; Got answer:

;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 23728

;; flags: qr rd ra ad; QUERY: 1, ANSWER: 13, AUTHORITY: 0, ADDITIONAL: 26

;; OPT PSEUDOSECTION:

; EDNS: version: 0, flags:; udp: 512

;; QUESTION SECTION:

;. IN NS

;; ANSWER SECTION:

. 500335 IN NS c.root-servers.net.

. 500335 IN NS h.root-servers.net.

. 500335 IN NS f.root-servers.net.

. 500335 IN NS l.root-servers.net.

. 500335 IN NS m.root-servers.net.

. 500335 IN NS d.root-servers.net.

. 500335 IN NS g.root-servers.net.

. 500335 IN NS j.root-servers.net.

. 500335 IN NS k.root-servers.net.

. 500335 IN NS i.root-servers.net.

. 500335 IN NS b.root-servers.net.

. 500335 IN NS a.root-servers.net.

. 500335 IN NS e.root-servers.net.

;; ADDITIONAL SECTION:

e.root-servers.net. 576355 IN A 192.203.230.10

e.root-servers.net. 376077 IN AAAA 2001:500:a8::e

c.root-servers.net. 577522 IN A 192.33.4.12

h.root-servers.net. 572178 IN A 198.97.190.53

h.root-servers.net. 466711 IN AAAA 2001:500:1::53

f.root-servers.net. 577038 IN A 192.5.5.241

f.root-servers.net. 500548 IN AAAA 2001:500:2f::f

l.root-servers.net. 572178 IN A 199.7.83.42

l.root-servers.net. 103917 IN AAAA 2001:500:9f::42

m.root-servers.net. 570549 IN A 202.12.27.33

m.root-servers.net. 570882 IN AAAA 2001:dc3::35

d.root-servers.net. 580744 IN A 199.7.91.13

d.root-servers.net. 179972 IN AAAA 2001:500:2d::d

g.root-servers.net. 575780 IN A 192.112.36.4

g.root-servers.net. 376644 IN AAAA 2001:500:12::d0d

j.root-servers.net. 576385 IN A 192.58.128.30

j.root-servers.net. 300381 IN AAAA 2001:503:c27::2:30

k.root-servers.net. 573545 IN A 193.0.14.129

k.root-servers.net. 462876 IN AAAA 2001:7fd::1

i.root-servers.net. 573545 IN A 192.36.148.17

i.root-servers.net. 447006 IN AAAA 2001:7fe::53

b.root-servers.net. 575457 IN A 199.9.14.201

b.root-servers.net. 265285 IN AAAA 2001:500:200::b

a.root-servers.net. 570533 IN A 198.41.0.4

a.root-servers.net. 570852 IN AAAA 2001:503:ba3e::2:30

;; Query time: 12 msec

;; SERVER: 192.168.0.1#53(192.168.0.1)

;; WHEN: Tue Feb 13 13:14:58 Pacific Standard Time 2018

;; MSG SIZE rcvd: 783

C:\Users\Peter\GitHub\_remotes\dig\_win64\_distro>dig @50.112.145.222

; <<>> DiG 9.10.6-P1 <<>> @50.112.145.222

; (1 server found)

;; global options: +cmd

;; connection timed out; no servers could be reached

C:\Users\Peter\GitHub\_remotes\dig\_win64\_distro>dig @50.112.145.222 chegg.com -t AXFR

;; Connection to 50.112.145.222#53(50.112.145.222) for chegg.com failed: timed out.

;; Connection to 50.112.145.222#53(50.112.145.222) for chegg.com failed: timed out.

; <<>> DiG 9.10.6-P1 <<>> @50.112.145.222 chegg.com -t AXFR

; (1 server found)

;; global options: +cmd

;; connection timed out; no servers could be reached

;; Connection to 50.112.145.222#53(50.112.145.222) for chegg.com failed: timed out.

whois command line output for chegg.com

C:\Users\Peter\GitHub\_remotes\whois\_install>whois

Whois v1.20 - Domain information lookup

Copyright (C) 2005-2017 Mark Russinovich

Sysinternals - www.sysinternals.com

Usage: whois [-v] domainname [whois.server]

-v Print whois information for referrals

-nobanner

Do not display the startup banner and copyright message.

C:\Users\Peter\GitHub\_remotes\whois\_install>whois -nobanner chegg.com Connecting to COM.whois-servers.net...

WHOIS Server: whois.markmonitor.com

Registrar URL: http://www.markmonitor.com

Updated Date: 2015-06-17T17:06:44Z

Creation Date: 2000-02-23T00:22:32Z

Registry Expiry Date: 2024-02-23T00:22:32Z

Registrar: MarkMonitor Inc.

Registrar IANA ID: 292

Registrar Abuse Contact Email: abusecomplaints@markmonitor.com

Registrar Abuse Contact Phone: +1.2083895740

Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited

Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited

Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited

Name Server: NS-1026.AWSDNS-00.ORG

Name Server: NS-2045.AWSDNS-63.CO.UK

Name Server: NS-289.AWSDNS-36.COM

Name Server: NS-699.AWSDNS-23.NET

DNSSEC: unsigned

URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/

>>> Last update of whois database: 2018-02-13T21:23:22Z <<<

For more information on Whois status codes, please visit https://icann.org/epp

NOTICE: The expiration date displayed in this record is the date the

registrar's sponsorship of the domain name registration in the registry is

currently set to expire. This date does not necessarily reflect the expiration

date of the domain name registrant's agreement with the sponsoring

registrar. Users may consult the sponsoring registrar's Whois database to

view the registrar's reported date of expiration for this registration.

TERMS OF USE: You are not authorized to access or query our Whois

database through the use of electronic processes that are high-volume and

automated except as reasonably necessary to register domain names or

modify existing registrations; the Data in VeriSign Global Registry

Services' ("VeriSign") Whois database is provided by VeriSign for

information purposes only, and to assist persons in obtaining information

about or related to a domain name registration record. VeriSign does not

guarantee its accuracy. By submitting a Whois query, you agree to abide

by the following terms of use: You agree that you may 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 of mass

unsolicited, commercial advertising or solicitations via e-mail, telephone,

or facsimile; or (2) enable high volume, automated, electronic processes

that apply to VeriSign (or its computer systems). The compilation,

repackaging, dissemination or other use of this Data is expressly

prohibited without the prior written consent of VeriSign. You agree not to

use electronic processes that are automated and high-volume to access or

query the Whois database except as reasonably necessary to register

domain names or modify existing registrations. VeriSign reserves the right

to restrict your access to the Whois database in its sole discretion to ensure

operational stability. VeriSign may restrict or terminate your access to the

Whois database for failure to abide by these terms of use. VeriSign

reserves the right to modify these terms at any time.

The Registry database contains ONLY .COM, .NET, .EDU domains and

Registrars.

Connecting to whois.markmonitor.com...

WHOIS Server: whois.markmonitor.com

Registrar URL: http://www.markmonitor.com

Updated Date: 2017-08-02T04:00:04-0700

Creation Date: 2000-02-22T16:22:32-0800

Registrar Registration Expiration Date: 2024-02-22T16:22:32-0800

Registrar: MarkMonitor, Inc.

Registrar IANA ID: 292

Registrar Abuse Contact Email: abusecomplaints@markmonitor.com

Registrar Abuse Contact Phone: +1.2083895740

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)

Registry Registrant ID:

Registrant Name: Domain Administrator

Registrant Organization: Chegg Inc.

Registrant Street: 3990 Freedom Circle,

Registrant City: Santa Clara

Registrant State/Province: CA

Registrant Postal Code: 95054

Registrant Country: US

Registrant Phone: +1.4088555700

Registrant Phone Ext:

Registrant Fax:

Registrant Fax Ext:

Registrant Email: domainrenewals@chegg.com

Registry Admin ID:

Admin Name: Domain Administrator

Admin Organization: Chegg Inc.

Admin Street: 3990 Freedom Circle,

Admin City: Santa Clara

Admin State/Province: CA

Admin Postal Code: 95054

Admin Country: US

Admin Phone: +1.4088555700

Admin Phone Ext:

Admin Fax:

Admin Fax Ext:

Admin Email: domainrenewals@chegg.com

Registry Tech ID:

Tech Name: Domain Administrator

Tech Organization: Chegg Inc.

Tech Street: 3990 Freedom Circle,

Tech City: Santa Clara

Tech State/Province: CA

Tech Postal Code: 95054

Tech Country: US

Tech Phone: +1.4088555700

Tech Phone Ext:

Tech Fax:

Tech Fax Ext:

Tech Email: domainrenewals@chegg.com

Name Server: ns-699.awsdns-23.net

Name Server: ns-1026.awsdns-00.org

Name Server: ns-2045.awsdns-63.co.uk

Name Server: ns-289.awsdns-36.com

DNSSEC: unsigned

URL of the ICANN WHOIS Data Problem Reporting System: http://wdprs.internic.net/

>>> Last update of WHOIS database: 2018-02-13T13:23:33-0800 <<<

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information purposes, and to assist persons in obtaining information about or

related to a domain name registration record. MarkMonitor.com does not guarantee

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 of mass unsolicited,

commercial advertising or solicitations via e-mail (spam); or

(2) enable high volume, automated, electronic processes that apply to

MarkMonitor.com (or its systems).

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

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

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MarkMonitor Domain Management(TM)

MarkMonitor Brand Protection(TM)

MarkMonitor AntiPiracy(TM)

MarkMonitor AntiFraud(TM)

Professional and Managed Services

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

Contact us at +1.8007459229

In Europe, at +44.02032062220

For more information on Whois status codes, please visit

https://www.icann.org/resources/pages/epp-status-codes-2014-06-16-en

Domain Name: chegg.com

Registry Domain ID: 20460561\_DOMAIN\_COM-VRSN

Registrar WHOIS Server: whois.markmonitor.com

Registrar URL: http://www.markmonitor.com

Updated Date: 2017-08-02T04:00:04-0700

Creation Date: 2000-02-22T16:22:32-0800

Registrar Registration Expiration Date: 2024-02-22T16:22:32-0800

Registrar: MarkMonitor, Inc.

Registrar IANA ID: 292

Registrar Abuse Contact Email: abusecomplaints@markmonitor.com

Registrar Abuse Contact Phone: +1.2083895740

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)

Registry Registrant ID:

Registrant Name: Domain Administrator

Registrant Organization: Chegg Inc.

Registrant Street: 3990 Freedom Circle,

Registrant City: Santa Clara

Registrant State/Province: CA

Registrant Postal Code: 95054

Registrant Country: US

Registrant Phone: +1.4088555700

Registrant Phone Ext:

Registrant Fax:

Registrant Fax Ext:

Registrant Email: domainrenewals@chegg.com

Registry Admin ID:

Admin Name: Domain Administrator

Admin Organization: Chegg Inc.

Admin Street: 3990 Freedom Circle,

Admin City: Santa Clara

Admin State/Province: CA

Admin Postal Code: 95054

Admin Country: US

Admin Phone: +1.4088555700

Admin Phone Ext:

Admin Fax:

Admin Fax Ext:

Admin Email: domainrenewals@chegg.com

Registry Tech ID:

Tech Name: Domain Administrator

Tech Organization: Chegg Inc.

Tech Street: 3990 Freedom Circle,

Tech City: Santa Clara

Tech State/Province: CA

Tech Postal Code: 95054

Tech Country: US

Tech Phone: +1.4088555700

Tech Phone Ext:

Tech Fax:

Tech Fax Ext:

Tech Email: domainrenewals@chegg.com

Name Server: ns-699.awsdns-23.net

Name Server: ns-1026.awsdns-00.org

Name Server: ns-2045.awsdns-63.co.uk

Name Server: ns-289.awsdns-36.com

DNSSEC: unsigned

URL of the ICANN WHOIS Data Problem Reporting System: http://wdprs.internic.net/

>>> Last update of WHOIS database: 2018-02-13T13:23:33-0800 <<<

whois distro info:

The Data in MarkMonitor.com's WHOIS database is provided by MarkMonitor.com for

information purposes, and to assist persons in obtaining information about or

related to a domain name registration record. MarkMonitor.com does not guarantee

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 of mass unsolicited,

commercial advertising or solicitations via e-mail (spam); or

(2) enable high volume, automated, electronic processes that apply to

MarkMonitor.com (or its systems).

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

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

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MarkMonitor AntiPiracy(TM)

MarkMonitor AntiFraud(TM)

Professional and Managed Services

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

Contact us at +1.8007459229

In Europe, at +44.02032062220

For more information on Whois status codes, please visit

https://www.icann.org/resources/pages/epp-status-codes-2014-06-16-en

C:\Users\Peter\GitHub\_remotes\whois\_install>whois -nobanner 50.112.145.222 Connecting to COM.whois-servers.net...

WHOIS Server: whois.markmonitor.com

Registrar URL: http://www.markmonitor.com

Updated Date: 2016-05-05T23:11:06Z

Creation Date: 2005-08-18T02:10:45Z

Registry Expiry Date: 2020-01-16T04:59:59Z

Registrar: MarkMonitor Inc.

Registrar IANA ID: 292

Registrar Abuse Contact Email: abusecomplaints@markmonitor.com

Registrar Abuse Contact Phone: +1.2083895740

Domain Status: clientDeleteProhibited https://icann.org/epp#clientDeleteProhibited

Domain Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited

Domain Status: clientUpdateProhibited https://icann.org/epp#clientUpdateProhibited

Domain Status: serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited

Domain Status: serverTransferProhibited https://icann.org/epp#serverTransferProhibited

Domain Status: serverUpdateProhibited https://icann.org/epp#serverUpdateProhibited

Name Server: R1.AMAZONAWS.COM

Name Server: R2.AMAZONAWS.COM

Name Server: U1.AMAZONAWS.COM

Name Server: U2.AMAZONAWS.COM

DNSSEC: unsigned

URL of the ICANN Whois Inaccuracy Complaint Form: https://www.icann.org/wicf/

>>> Last update of whois database: 2018-02-13T21:36:55Z <<<

For more information on Whois status codes, please visit https://icann.org/epp

NOTICE: The expiration date displayed in this record is the date the

registrar's sponsorship of the domain name registration in the registry is

currently set to expire. This date does not necessarily reflect the expiration

date of the domain name registrant's agreement with the sponsoring

registrar. Users may consult the sponsoring registrar's Whois database to

view the registrar's reported date of expiration for this registration.

TERMS OF USE: You are not authorized to access or query our Whois

database through the use of electronic processes that are high-volume and

automated except as reasonably necessary to register domain names or

modify existing registrations; the Data in VeriSign Global Registry

Services' ("VeriSign") Whois database is provided by VeriSign for

information purposes only, and to assist persons in obtaining information

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by the following terms of use: You agree that you may 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 of mass

unsolicited, commercial advertising or solicitations via e-mail, telephone,

or facsimile; or (2) enable high volume, automated, electronic processes

that apply to VeriSign (or its computer systems). The compilation,

repackaging, dissemination or other use of this Data is expressly

prohibited without the prior written consent of VeriSign. You agree not to

use electronic processes that are automated and high-volume to access or

query the Whois database except as reasonably necessary to register

domain names or modify existing registrations. VeriSign reserves the right

to restrict your access to the Whois database in its sole discretion to ensure

operational stability. VeriSign may restrict or terminate your access to the

Whois database for failure to abide by these terms of use. VeriSign

reserves the right to modify these terms at any time.

The Registry database contains ONLY .COM, .NET, .EDU domains and

Registrars.

Connecting to whois.markmonitor.com...

WHOIS Server: whois.markmonitor.com

Registrar URL: http://www.markmonitor.com

Updated Date: 2016-05-05T16:11:07-0700

Creation Date: 2005-08-17T19:10:45-0700

Registrar Registration Expiration Date: 2020-01-15T00:00:00-0800

Registrar: MarkMonitor, Inc.

Registrar IANA ID: 292

Registrar Abuse Contact Email: abusecomplaints@markmonitor.com

Registrar Abuse Contact Phone: +1.2083895740

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)

Domain Status: serverUpdateProhibited (https://www.icann.org/epp#serverUpdateProhibited)

Domain Status: serverTransferProhibited (https://www.icann.org/epp#serverTransferProhibited)

Domain Status: serverDeleteProhibited (https://www.icann.org/epp#serverDeleteProhibited)

Registry Registrant ID:

Registrant Name: Legal Department

Registrant Organization: Amazon.com, Inc.

Registrant Street: PO BOX 81226

Registrant City: Seattle

Registrant State/Province: WA

Registrant Postal Code: 98108-1226

Registrant Country: US

Registrant Phone: +1.2062664064

Registrant Phone Ext:

Registrant Fax: +1.2062667010

Registrant Fax Ext:

Registrant Email: hostmaster@amazon.com

Registry Admin ID:

Admin Name: Legal Department

Admin Organization: Amazon.com, Inc.

Admin Street: PO BOX 81226

Admin City: Seattle

Admin State/Province: WA

Admin Postal Code: 98108-1226

Admin Country: US

Admin Phone: +1.2062664064

Admin Phone Ext:

Admin Fax: +1.2062667010

Admin Fax Ext:

Admin Email: hostmaster@amazon.com

Registry Tech ID:

Tech Name: Abuse, Amazon Webservices

Tech Organization: Amazon.com, Inc.

Tech Street: P.O. Box 81226,

Tech City: Seattle

Tech State/Province: Washington

Tech Postal Code: 98108

Tech Country: US

Tech Phone: +1.2062664064

Tech Phone Ext:

Tech Fax: +1.2062667010

Tech Fax Ext:

Tech Email: abuse@amazonaws.com

Name Server: u1.amazonaws.com

Name Server: r2.amazonaws.com

Name Server: r1.amazonaws.com

Name Server: u2.amazonaws.com

DNSSEC: unsigned

URL of the ICANN WHOIS Data Problem Reporting System: http://wdprs.internic.net/

>>> Last update of WHOIS database: 2018-02-13T13:32:37-0800 <<<

The Data in MarkMonitor.com's WHOIS database is provided by MarkMonitor.com for

information purposes, and to assist persons in obtaining information about or

related to a domain name registration record. MarkMonitor.com does not guarantee

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 of mass unsolicited,

commercial advertising or solicitations via e-mail (spam); or

(2) enable high volume, automated, electronic processes that apply to

MarkMonitor.com (or its systems).

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

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For more information on Whois status codes, please visit

https://www.icann.org/resources/pages/epp-status-codes-2014-06-16-en

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Domain Name: amazonaws.com

Registry Domain ID: 197784869\_DOMAIN\_COM-VRSN

Registrar WHOIS Server: whois.markmonitor.com

Registrar URL: http://www.markmonitor.com

Updated Date: 2016-05-05T16:11:07-0700

Creation Date: 2005-08-17T19:10:45-0700

Registrar Registration Expiration Date: 2020-01-15T00:00:00-0800

Registrar: MarkMonitor, Inc.

Registrar IANA ID: 292

Registrar Abuse Contact Email: abusecomplaints@markmonitor.com

Registrar Abuse Contact Phone: +1.2083895740

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)

Domain Status: serverUpdateProhibited (https://www.icann.org/epp#serverUpdateProhibited)

Domain Status: serverTransferProhibited (https://www.icann.org/epp#serverTransferProhibited)

Domain Status: serverDeleteProhibited (https://www.icann.org/epp#serverDeleteProhibited)

Registry Registrant ID:

Registrant Name: Legal Department

Registrant Organization: Amazon.com, Inc.

Registrant Street: PO BOX 81226

Registrant City: Seattle

Registrant State/Province: WA

Registrant Postal Code: 98108-1226

Registrant Country: US

Registrant Phone: +1.2062664064

Registrant Phone Ext:

Registrant Fax: +1.2062667010

Registrant Fax Ext:

Registrant Email: hostmaster@amazon.com

Registry Admin ID:

Admin Name: Legal Department

Admin Organization: Amazon.com, Inc.

Admin Street: PO BOX 81226

Admin City: Seattle

Admin State/Province: WA

Admin Postal Code: 98108-1226

Admin Country: US

Admin Phone: +1.2062664064

Admin Phone Ext:

Admin Fax: +1.2062667010

Admin Fax Ext:

Admin Email: hostmaster@amazon.com

Registry Tech ID:

Tech Name: Abuse, Amazon Webservices

Tech Organization: Amazon.com, Inc.

Tech Street: P.O. Box 81226,

Tech City: Seattle

Tech State/Province: Washington

Tech Postal Code: 98108

Tech Country: US

Tech Phone: +1.2062664064

Tech Phone Ext:

Tech Fax: +1.2062667010

Tech Fax Ext:

Tech Email: abuse@amazonaws.com

Name Server: u1.amazonaws.com

Name Server: r2.amazonaws.com

Name Server: r1.amazonaws.com

Name Server: u2.amazonaws.com

DNSSEC: unsigned

URL of the ICANN WHOIS Data Problem Reporting System: http://wdprs.internic.net/

>>> Last update of WHOIS database: 2018-02-13T13:32:37-0800 <<<

The Data in MarkMonitor.com's WHOIS database is provided by MarkMonitor.com for

information purposes, and to assist persons in obtaining information about or

related to a domain name registration record. MarkMonitor.com does not guarantee

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 of mass unsolicited,

commercial advertising or solicitations via e-mail (spam); or

(2) enable high volume, automated, electronic processes that apply to

MarkMonitor.com (or its systems).

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

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