

Scanning exercise

This exercise tasked us to use a variety of tools to scan a vulnerable website given by the tutor. The tools are commonly known as 'Internet Protocol suite' and are readily available or easily installed on Windows and Linux.

For the purpose of this task, I will use a virtualisation of Kali Linux on a Windows 11 laptop and the webpage is <https://customersrus.co.uk>.

The Internet Protocol suite tools are as follows:

Dig

Traceroute

Nslookup

Whois

Nmap

MTR

Limitations

Due to the nature of the vulnerable website sharing hosts with other webpages, using the PING utility and ICMP scans were not advised as it could cause interference.

Task

Perform basic scans using basic tools such as traceroute (not ICMP version). Then answer the following questions:

- How many hops from your machine to your assigned website?
- Which step causes the biggest delay in the route? What is the average duration of that delay?
- What are the main nameservers for the website?
- Who is the registered contact?
- What is the MX record for the website?
- Where is the website hosted?

Basic scans

Finding the IP address

```
(beaver@Ki)-[~]  
$ host customersrus.co.uk  
customersrus.co.uk has address 68.66.247.187  
customersrus.co.uk mail is handled by 0 mail.customersrus.co.uk.
```

IP address is 68.66.247.187

1.How many hops from your machine to your assigned website?

```
(beaver@Ki)-[/]  
$ sudo traceroute customersrus.co.uk  
traceroute to customersrus.co.uk (68.66.247.187), 30 hops max, 60 byte packets  
 1  10.0.2.2 (10.0.2.2)  3.008 ms  2.755 ms  2.604 ms  
 2  * * *  
 3  10.0.2.2 (10.0.2.2)  307.854 ms  307.713 ms  307.573 ms  
(beaver@Ki)-[/]
```

```
File Actions Edit View Help  
$ sudo nmap -sn Pn -tr customersrus.co.uk  
[sudo] password for beaver:  
Starting Nmap 7.92 ( https://nmap.org ) at 2022-03-23 13:23 GMT  
Stats: 0:00:12 elapsed; 0 hosts completed (2 up), 2 undergoing Traceroute  
Parallel DNS resolution of 1 host. Timing: About 0.00% done  
Nmap scan report for Pn (139.162.17.173)  
Host is up (0.00089s latency).  
rDNS record for 139.162.17.173: breadfruit.pitcairn.net.pn  
  
TRACEROUTE (using port 80/tcp)  
HOP RTT ADDRESS  
1 0.53 ms 10.0.2.2  
2 0.90 ms breadfruit.pitcairn.net.pn (139.162.17.173)  
  
Nmap scan report for customersrus.co.uk (68.66.247.187)  
Host is up (0.0011s latency).  
rDNS record for 68.66.247.187: 68.66.247.187.static.a2webhosting.com  
  
TRACEROUTE (using port 80/tcp)  
HOP RTT ADDRESS  
- Hop 1 is the same as for 139.162.17.173  
2 0.40 ms 68.66.247.187.static.a2webhosting.com (68.66.247.187)  
  
Nmap done: 2 IP addresses (2 hosts up) scanned in 15.50 seconds
```

Here, I used options -sn (omits the default port scan), -Pn (avoids discovering the host), and -tr to trace all the hops.

It seems like one of the two hops goes through a VPN server in Singapore.

```

C:\Users\teach>tracert customersrus.co.uk

Tracing route to customersrus.co.uk [68.66.247.187]
over a maximum of 30 hops:

  1      *          *          *          Request timed out.
  2    389 ms    361 ms    361 ms    192.168.1.1
  3    364 ms    364 ms    364 ms    ae5.csr1.Lax1.Servernp.net [66.252.6.36]
  4    362 ms          *        354 ms    be5244.rcr51.b004747-3.lax05.atlas.cogentco.com [38.104.84.133]
  5      *          *        354 ms    be3584.ccr41.lax05.atlas.cogentco.com [154.54.85.229]
  6    362 ms    356 ms    362 ms    be3359.ccr42.lax01.atlas.cogentco.com [154.54.3.69]
  7    367 ms    374 ms          *        be2932.ccr32.phx01.atlas.cogentco.com [154.54.45.161]
  8    376 ms          *        426 ms    be2930.ccr21.elp01.atlas.cogentco.com [154.54.42.78]
  9    392 ms    399 ms    394 ms    be2927.ccr41.iah01.atlas.cogentco.com [154.54.29.221]
 10      *        413 ms    412 ms    be2687.ccr41.atl01.atlas.cogentco.com [154.54.28.69]
 11    429 ms    427 ms          *        be2112.ccr41.dca01.atlas.cogentco.com [154.54.7.157]
 12    436 ms          *        426 ms    be2806.ccr41.jfk02.atlas.cogentco.com [154.54.40.105]
 13      *        505 ms    508 ms    be2317.ccr41.lon13.atlas.cogentco.com [154.54.30.186]
 14    517 ms    511 ms    511 ms    be12194.ccr41.ams03.atlas.cogentco.com [154.54.56.94]
 15    514 ms    512 ms          *        be2278.rcr21.b038092-0.ams03.atlas.cogentco.com [130.117.50.250]
 16    516 ms    513 ms          *        euroaccess-ltd.demarc.cogentco.com [149.6.128.82]
 17    502 ms    514 ms    507 ms    v402.R2.NL1.a2webhosting.com [209.124.94.239]
 18    509 ms          *        505 ms    68.66.247.187.static.a2webhosting.com [68.66.247.187]

Trace complete.

```

Tracecert on Windows seems to have 18 hops

```

C:\Users\teach>tracert -d customersrus.co.uk

Tracing route to customersrus.co.uk [68.66.247.187]
over a maximum of 30 hops:

  1      *          *          *          Request timed out.
  2    248 ms    247 ms    249 ms    68.66.247.187
  3      *          *          *          Request timed out.
  4      *          *          *          Request timed out.
  5    250 ms    254 ms    251 ms    212.78.92.2
  6    266 ms    263 ms    261 ms    98.158.181.98
  7    256 ms    248 ms    247 ms    87.119.123.65
  8    249 ms    266 ms    275 ms    141.136.106.109
  9      *          *          *          Request timed out.
 10    311 ms    291 ms    296 ms    154.54.57.161
 11    258 ms    254 ms    254 ms    130.117.51.42
 12    257 ms    263 ms    255 ms    130.117.51.14
 13    255 ms    254 ms    265 ms    149.6.128.82
 14    259 ms    260 ms    263 ms    209.124.94.239
 15    277 ms    254 ms    262 ms    68.66.247.187

Trace complete.

```

Using tracert -d prevented the hostname being resolved; there are now 15 hops and much quicker time. It seems the initial hope and time is due to connecting to the VPN server in the UK.

```
C:\Users\teach>tracert -d google.co.uk

Tracing route to google.co.uk [142.250.179.227]
over a maximum of 30 hops:

  1      *          *          *      Request timed out.
  2    253 ms      *          250 ms  6.
  3      *          *          *      Request timed out.
  4      *          *          *      Request timed out.
  5    252 ms    253 ms    245 ms  212.78.92.2
  6    257 ms      *          253 ms  98.158.181.95
  7    252 ms    253 ms    253 ms  98.158.182.1
  8    244 ms    252 ms    253 ms  209.85.248.229
  9    248 ms      *          253 ms  142.251.54.25
 10      *          253 ms    252 ms  142.250.179.227

Trace complete.
```

For comparison, using tracert -d on Google.co.uk returned 10 hops but still the time is long.

```
(beaver@Ki)-[~]
$ sudo nmap 68.66.247.187 --tr -f -Pn
[sudo] password for beaver:
Starting Nmap 7.92 ( https://nmap.org ) at 2022-03-23 13:51 GMT
Stats: 0:00:47 elapsed; 0 hosts completed (1 up), 1 undergoing SYN Stealth Scan
SYN Stealth Scan Timing: About 19.50% done; ETC: 13:54 (0:02:45 remaining)
Nmap scan report for 68.66.247.187.static.a2webhosting.com (68.66.247.187)
Host is up (0.30s latency).
All 1000 scanned ports on 68.66.247.187.static.a2webhosting.com (68.66.247.187) are in ignored states.
Not shown: 1000 filtered tcp ports (no-response)

TRACEROUTE (using proto 1/icmp)
HOP RTT      ADDRESS
 1  0.81 ms  10.0.2.2
 2  ...
 3  369.88 ms 64.64.123.1
 4  ... 5
 6  350.06 ms 212.78.92.0
 7  350.80 ms no-ptr.midphase.com (98.158.181.93)
 8  367.81 ms et-0-0-31.cr11-lon1.ip4.gtt.net (87.119.123.65)
 9  352.23 ms ae1.cr13-lon1.ip4.gtt.net (89.149.142.13)
10  ...
11 361.16 ms be2870.ccr41.lon13.atlas.cogentco.com (154.54.58.173)
12 296.93 ms be12194.ccr41.ams03.atlas.cogentco.com (154.54.56.94)
13 296.39 ms be2278.rcr21.b038092-0.ams03.atlas.cogentco.com (130.117.50.250)
14 327.04 ms euroaccess-ltd.demarc.cogentco.com (149.6.128.82)
15 307.32 ms v402.R2.NL1.a2webhosting.com (209.124.94.239)
16 304.69 ms 68.66.247.187.static.a2webhosting.com (68.66.247.187)

Nmap done: 1 IP address (1 host up) scanned in 219.78 seconds
```

More hops on nmap using fast port scan

```
(beaver@Ki)-[~]
$ mtr -r -tcp customersrus.co.uk
Start: 2022-03-23T13:36:22+0000
HOST: Ki
Loss% Snt Last Avg Best Wrst StDev
1. | 10.0.2.2 0.0% 10 1.1 1.4 0.9 2.2 0.4
2. | 68.66.247.187.static.a2we 0.0% 10 373.8 329.3 273.1 373.8 33.6
```

Only two hops using MTR TCP SYN instead of ICMP ECHO requests.

- Which step causes the biggest delay in the route? What is the average duration of that delay?



Hong Kong to France: hop 1 to 2

- What are the main nameservers for the website?


```

(beaver@Ki)-[~]
$ sudo dig customersrus.co.uk
[sudo] password for beaver:

; <<>> DiG 9.18.0-2-Debian <<>> customersrus.co.uk
;; global options: +cmd
;; Got answer:
;; -->HEADER<-- opcode: QUERY, status: NOERROR, id: 45569
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:: udp: 1232
;; QUESTION SECTION:
;customersrus.co.uk.                IN      A

;; ANSWER SECTION:
customersrus.co.uk.                14400   IN      A      68.66.247.187

;; Query time: 563 msec
;; SERVER: 10.132.0.1#53(10.132.0.1) (UDP)
;; WHEN: Wed Mar 23 12:37:06 GMT 2022
;; MSG SIZE rcvd: 63

```

There seems to be only one IP address

```

(beaver@Ki)-[~]
$ sudo nslookup customersrus.co.uk
Server:                10.132.0.1
Address:                10.132.0.1#53

Non-authoritative answer:
Name:   customersrus.co.uk
Address: 68.66.247.187

```

- Who is the registered contact?

```

(beaver@Ki)-[~]
$ whois customersrus.co.uk

Domain name:
    customersrus.co.uk

Data validation:
    Nominet was not able to match the registrant's name and/or address against a 3rd party source on 21-Oct-2021

Registrar:
    eNom LLC [Tag = ENOM]
    URL: http://www.enom.com

Relevant dates:
    Registered on: 21-Oct-2021
    Expiry date: 21-Oct-2022
    Last updated: 21-Oct-2021

Registration status:
    Registered until expiry date.

Name servers:
    ns1.a2hosting.com
    ns2.a2hosting.com
    ns3.a2hosting.com
    ns4.a2hosting.com

WHOIS lookup made at 12:31:21 23-Mar-2022

```


- What is the MX record for the website?

Pref	Hostname	IP Address	TTL	
0	mail@customersrus.co.uk	68.68.247.187 A2 Hosting, Inc. (AS56291)	4 hrs	Blacklist Check SMTP Test
Test		Result		
	DMARC Record Published	No DMARC Record found		
	DMARC Policy Not Enabled	DMARC Quarantine/Reject policy not enabled		
	DNS Record Published	DNS Record found		
<div>dns lookup dns check whois lookup spf lookup dns propagation</div>				
Reported by ns2.a2hosting.com on 3/26/2022 at 7:19:58 AM (UTC -5). Just for you.				

- Where is the website hosted?

IP Details For: 68.66.247.187

Decimal:	1145239483
Hostname:	68.66.247.187.static.a2webhosting.com
ASN:	55293
ISP:	A2 Hosting Inc.
Services:	Datacenter
Assignment:	Likely Static IP
Country:	United States
State/Region:	Michigan
City:	Ann Arbor



Latitude: 42.228848 (42° 13' 43.85" N)
Longitude: -83.735924 (83° 44' 9.33" W)

[CLICK TO CHECK BLACKLIST STATUS](#)

Latitude and Longitude are often near the center of population. These values are not precise and should not be used to identify a specific address or for legal purposes. Geolocation data from [IP2Location](#).

Further investigation

This made me curious about my initial findings as I originally stated Ann Arbor was the physical location. I returned to my scans and did some digging.

I now used Shodan (2022) and searched 66.66.24.187; it returned Amsterdam, Netherlands. It also showed which ports are open and what services are being used. Port 21 states that Pureftpd.org (FTP Unix server) is using it with an SSL certificate:

68.66.247.187

Regular View Raw Data History

TAGS database static

General information

Hostnames
tech-sourcery.co.uk, webdisk.tech-sourcery.co.uk, mail.tech-sourcery.co.uk, a2hosting.com, cpcalendars.tech-sourcery.co.uk, cpanel.tech-sourcery.co.uk, cpcontacts.tech-sourcery.co.uk, webmail.tech-sourcery.co.uk, autodiscover.tech-sourcery.co.uk, 68.66.247.187.static.a2webhosting.com, www.tech-sourcery.co.uk

Domains
TECH-SOURCERY.CO.UK A2HOSTING.COM A2WEBHOSTING.COM

Country
Netherlands

City
Amsterdam

Organization
A2 Hosting, Inc.

ISP
A2 Hosting, Inc.

ASN
AS55293

SSL Certificate

Certificate:

Data:

Version: 3 (0x2)

Serial Number:

0d:4b:ec:23:f6:37:d1:f7:86:5d:9a:8e:23:4a:9c:9f

Signature Algorithm: sha256WithRSAEncryption

Issuer: C=US, O=DigiCert Inc, CN=DigiCert TLS RSA SHA256 2020 CA1

Validity

Not Before: May 5 00:00:00 2021 GMT

Not After : Jun 5 23:59:59 2022 GMT

Subject: C=US, ST=Michigan, L=Ann Arbor, O=A2 Hosting, Inc., CN=*.a2hosting.com

Subject Public Key Info:

The information also showed that the SSL certificate was issued by digicert, a digital security company. Using the digicert's SSL Certificate Checker, I input the server address 'a2hosting.com', and it returned this information:

DigiCert® SSL Installation Diagnostics Tool

SSL Certificate Checker

If you are having a problem with your SSL certificate installation, please enter the name of the server. Our installation diagnostics tool will help you locate the problem and verify your SSL Certificate installation.

Server Address: (Ex. *www.digicert.com*)

☒ Check for common vulnerabilities

CHECK SERVER

✓ DNS resolves a2hosting.com to 104.18.132.225

HTTP Server Header: cloudflare

✓ TLS Certificate

Common Name = www.a2hosting.com
Organization = A2 Hosting, Inc.
City/Locality = Ann Arbor
State/Province = Michigan
Country = US
Subject Alternative Names = www.a2hosting.com, a2hosting.com
Issued: 2018-07-27 12:00:00
Expires: 2019-07-27 12:00:00

Using Shodan again, I searched 104.18.132.225 which returned the following:

General *Information*

Hostnames	a2hosting.com , www.a2hosting.com
Domains	A2HOSTING.COM
Country	United States
City	San Francisco
Organization	Cloudflare, Inc.
ISP	Cloudflare, Inc.
ASN	AS13335

Using Shodan again, I searched A2hosting.com domain records, and it listed hundreds of domains and IP addresses.

a2hosting.com

Domain Records

*.dev	A	68
a2a120	A	69
a2ls1	A	75.
a2ls10	A	75.
a2ls2	A	16;
a2ls25	A	66
a2s27	A	75.
a2s28	A	75.
a2s29	A	75.

CloudFlare (2022) is a Content Delivery Network (CDN), networking, firewall provider which helps entities to cache files in edge locations globally. Interestingly, I used their Cloud flare system status page, and they have an operational data centre in Amsterdam. This makes sense to have cache files near the website/server.

▶ Cloudflare Sites and Services ?		Operational
▶ Africa		
▶ Asia		
▼ Europe		
Amsterdam, Netherlands - (AMS)		Operational


Next, I searched 'A2hosting.com Ann Arbor' and found their PO Box address, website, telephone, Facebook, and LinkedIn information.

ann arbor a2hosting

ALL MAPS IMAGES VIDEOS NEWS SHOPPING

26,000,000 Results Date Open links in new tab

Ann Arbor A2hosting



1 A2 Hosting
★★★★★ Facebook (1036)
PO Box 2998, Ann Arbor - (888) 546-8946
Open 24 hours
WEBSITE DIRECTIONS

2 A2 Hosting
Foursquare (1)
2000 Hogback Rd Ste 6, Ann Arbor - (734) 222-4678
Open - Closes 11:59 pm
WEBSITE DIRECTIONS

See more results >

✓ Ann Arbor Hosting | 20X Faster Ann Arbor Web Hosting

<https://www.a2hosting.com/ann-arbor-hosting>

A2 Hosting is the host you can depend on with ultra-reliable servers! Popular **Ann Arbor Hosting** Software Pre-Configured For Speed & Security We've taken the guesswork out of ho...

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cPanel login | What is cPanel?

How to Access cPanel - Powered by Kayako Help Desk Software

Recommended to you based on what's popular • Feedback

my.a2hosting.com

my.a2hosting.com

www.a2hosting.com

www.a2hosting.com

support.arvixe.com

Amazingly, A2hosting is named after Ann Arbor (Ax2) and has existed since 2001.

In 2001 our CEO Bryan Muthig started A2 Hosting from a two-room office in Ann Arbor, Michigan. With a mission to help the world succeed online, he wanted to make it easier for people to thrive on the internet. Fast forward almost two decades later,

Muthig has used his passion and strong technical background as a UNIX systems administrator to build a global hosting company. Even with this rapid growth, A2 Hosting hasn't strayed far from our roots. With over 200 hundred teammates and a variety of data centers around the globe, we use our knowledge, skills, and resources to help other people bring their digital visions to life every day and we want to help you too! After all, if Bryan can dream it and achieve it, what's stopping you? If it's hosting, we've got you covered. Already a customer? [Refer-a-Friend](#) and earn extra cash!

I used their 'hosting is it right for you' tool to see if I could mimic 'customersrus.co.uk' business 'needs'. I selected:

What is your level of web hosting experience?

I am new to web hosting.

How many visitors do you expect for your website?

A few hundred visitors a week (or less).

What is the primary purpose of your website?

Business website.

How important is cost to you?

I have a small budget for this website.

Which Hosting Plan is Right for Me?

Based on your responses, we think a good hosting plan for you would be:

Shared Web Hosting

A2's Shared Web Hosting plans provide all you need to get started hosting your site today. Shared web hosting plans are a good fit if you:

- ✓ Run a personal website, such as a blog.
- ✓ Run a website for a small company or organization.
- ✓ Run a website that does not receive a high number of visitors.
- ✓ Want an inexpensive web hosting option.

Shared web hosting accounts include the cPanel management interface, which makes site administration intuitive and easy. Our web hosting servers are optimized for speed, and our knowledgeable Guru Crew Support team is ready to help you every step of the way! [Click here](#) for more information about our shared web hosting plans.

It returned 'Shared Web Hosting' which is a shared server. Also, a2.hosting offer add-ons such SSL certificates including digicert and Cloudflare CDN. It is worth noting that a2hosting has a data centre in Amsterdam.

Where We Are



I rechecked my previous scans and noticed my tracer scan showed this:

- v402.R2.NL1.a2webhosting [209.124.94.239]
- 66.66.247.187 static.a2webhosting.com [68.66.247.178]

```
C:\Users\teach>tracert customersrus.co.uk

Tracing route to customersrus.co.uk [68.66.247.187]
over a maximum of 30 hops:

  1  *          *          *          Request timed out.
  2  389 ms     361 ms     361 ms  15.....
  3  364 ms     364 ms     364 ms  ae5.csr1.lax1.servernp.net [66.252.6.36]
  4  362 ms     *          354 ms  be5244.rcr51.b004747-3.lax05.atlas.cogentco.com [38.104.84.133]
  5  *          *          354 ms  be3584.ccr41.lax05.atlas.cogentco.com [154.54.85.229]
  6  362 ms     356 ms     362 ms  be3359.ccr42.lax01.atlas.cogentco.com [154.54.3.69]
  7  367 ms     374 ms     *          be2932.ccr32.phx01.atlas.cogentco.com [154.54.45.161]
  8  376 ms     *          426 ms  be2930.ccr21.elp01.atlas.cogentco.com [154.54.42.78]
  9  392 ms     399 ms     394 ms  be2927.ccr41.iah01.atlas.cogentco.com [154.54.29.221]
 10  *          413 ms     412 ms  be2687.ccr41.atl01.atlas.cogentco.com [154.54.28.69]
 11  429 ms     427 ms     *          be2112.ccr41.dca01.atlas.cogentco.com [154.54.7.157]
 12  436 ms     *          426 ms  be2806.ccr41.jfk02.atlas.cogentco.com [154.54.40.105]
 13  *          505 ms     508 ms  be2317.ccr41.lon13.atlas.cogentco.com [154.54.30.186]
 14  517 ms     511 ms     511 ms  be12194.ccr41.ams03.atlas.cogentco.com [154.54.56.94]
 15  514 ms     512 ms     *          be2278.rcr21.b038092-0.ams03.atlas.cogentco.com [130.117.50.250]
 16  516 ms     513 ms     *          euroaccess-ltd.demarc.cogentco.com [149.6.128.82]
 17  502 ms     514 ms     507 ms  v402.R2.NL1.a2webhosting.com [209.124.94.239]
 18  509 ms     *          505 ms  68.66.247.187.static.a2webhosting.com [68.66.247.178]

Trace complete.
```

Using Iping (2022), it listed 209.124.94.239 in Amsterdam. In other words, the packets' last two hops were sent to Amsterdam and finishing in Ann Arbor.

IP address details

209.124.94.239

🇳🇱 Amsterdam, North Holland, Netherlands

🔍 Search an IP or AS number

Summary

Geolocation

Privacy

ASN

Company

Abuse

Summary

ASN	AS55293 - A2 Hosting, Inc.
Hostname	v402.r2.nl1.a2webhosting.com
Range	209.124.94.0/24
Company	A2 Hosting, Inc.
Hosted domains	0
Privacy	✔ True
Anycast	✘ False
ASN type	Hosting
Abuse contact	abuse@a2hosting.com

Geolocation Data

City	Amsterdam
State	North Holland
Country	🇳🇱 Netherlands
Postal	1012
Local time	02:51 PM, Thursday, April 14, 2022
Timezone	Europe/Amsterdam
Coordinates	52.3740,4.8897



Geolocation API

IP geolocation lookup is the identification of an IP address' geographic location in the real world.

[Read More >](#)

Useful for [Web Personalization](#), and [Financial Technology](#).

Finally, a2hosting (2022) offer further information on their Knowledge Base 'Off-shore IP addresses' section. They state there is no real way to know for certain an IP address location unless a warrant is issued, and that due to a finite number of IP address, if a2hosting leases IP addresses from a US provider then it will have a US geolocation even if the server is in foreign country.

What is geolocation?

Geolocation is the mapping of an IP address or MAC address to the real-world geographic location of an Internet-connected computing or a mobile device. It is not the actual physical address of the hosting server.



An IP's geolocation is not the exact physical location of the hosting server itself, but instead a rough approximation of where the IP is from.

Geolocation Inaccuracy

Server IP addresses at A2 Hosting often show different geolocation than their actual physical location. There is not an infinite amount of IP addresses. IP addresses are often leased upon availability. If a company (e.g. A2 Hosting) leases IP addresses from a US provider, those IP addresses will then have a US geolocation (even if the server is physically sitting in another country.)

Is there any way to find an IP's exact location?

There is no completely foolproof way to determine an IP address's exact location, short of a warrant (or some sort of legal document) to determine the location from an internet service provider (ISP.)

Traceroute

If you would like to see the path packets take to the actual physical location of the server, you can utilize the traceroute (or tracert) program. This method allows you to see the journey a site takes from being housed on a server until it appears in front of you on a screen. The process shows the different IP addresses that a site will use before showing its' final IP address (and thus, why a server housed in a different geographical location may show an IP address that appears to be from an entirely different country.) The last three entries of a trace (using traceroute or tracert) will show the carrier (internet provider) of the data center your server is housed.

It seems that the hosting company is headquartered in Ann Arbor, USA but has data centres in many countries including Netherlands, and it offers CDN and SSL third party services. The web site 'customersrus.co.uk' is using a2hosting shared server located in Amsterdam, and as it is using a US leased IP address from a2hosting, the final destination shows a US location.

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