

Practical Activity - Scanning Exercise

- How many hops from your machine to your assigned website?

It took 43 hops to reach the assigned website.

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

Hop 17 caused the most significant delay. The average delay was 284ms.

- What are the primary nameservers for the website?

ns-59.awsdns-07.com. awsdns-hostmaster.amazon.com

- Who is the registered contact?

awsdns-hostmaster.amazon.com

- What is the MX record for the website?

There is no MX record associated with the assigned website.

- Where is the website hosted?

The website is hosted on the AWS (Amazon Web Services)

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PS C:\WINDOWS\system32> pathping nismphp-env.eba-wj5kp8st.us-east-1.elasticbeanstalk.com

Tracing route to nismphp-env.eba-wj5kp8st.us-east-1.elasticbeanstalk.com [35.175.70.228]
over a maximum of 30 hops:
  0  LT-SAMT.NICD.local [172.20.10.12]
  1  172.20.10.1
  2  10.113.148.52
  3  10.251.49.237
  4  10.251.49.249
  5  10.251.49.237
  6  10.251.49.238
  7  * 10.113.228.1
  8  41.192.248.18
  9  10.113.213.66
 10  41.21.235.2
 11  10.118.46.166
 12  ae26-100-xcr1.lns.cw.net [195.59.222.29]
 13  ae1-xcr1.ltw.cw.net [195.2.24.125]
 14  ae32-xcr2.nyk.cw.net [195.2.8.46]
 15  52.95.216.78
 16  52.93.4.83
 17  52.93.4.28
 18  * * *

Computing statistics for 425 seconds...
Hop  RTT      Source to Here   This Node/Link   Address
     Lost/Sent = Pct Lost/Sent = Pct  Lost/Sent = Pct
  0                                     LT-SAMT.NICD.local [172.20.10.12]
  1    1ms      0/ 100 = 0%      0/ 100 = 0%      172.20.10.1
  2    ---    100/ 100 =100%   0/ 100 = 0%      10.113.148.52
  3    ---    100/ 100 =100%  100/ 100 =100%   10.251.49.237
  4    ---    100/ 100 =100%  100/ 100 =100%   10.251.49.249
  5    ---    100/ 100 =100%  100/ 100 =100%   10.251.49.237
  6    ---    100/ 100 =100%  100/ 100 =100%   10.251.49.238
  7    ---    100/ 100 =100%  100/ 100 =100%   10.113.228.1
  8   28ms      0/ 100 = 0%      0/ 100 = 0%      41.192.248.18
  9    ---    100/ 100 =100%  100/ 100 =100%   10.113.213.66
 10   26ms      0/ 100 = 0%      0/ 100 = 0%      41.21.235.2
 11    ---    100/ 100 =100%  100/ 100 =100%   10.118.46.166
 12  228ms      0/ 100 = 0%      0/ 100 = 0%      ae26-100-xcr1.lns.cw.net [195.59.222.29]
 13  225ms      0/ 100 = 0%      0/ 100 = 0%      ae1-xcr1.ltw.cw.net [195.2.24.125]
 14  295ms      0/ 100 = 0%      0/ 100 = 0%      ae32-xcr2.nyk.cw.net [195.2.8.46]
 15    ---    100/ 100 =100%  100/ 100 =100%   52.95.216.78
 16    ---    100/ 100 =100%  0/ 100 = 0%      52.93.4.83
 17    ---    100/ 100 =100%  0/ 100 = 0%      52.93.4.28

Trace complete.
PS C:\WINDOWS\system32>

```

```
PS C:\WINDOWS\system32> tracert -h 50 35.175.70.228
```

```
Tracing route to ec2-35-175-70-228.compute-1.amazonaws.com [35.175.70.228]  
over a maximum of 50 hops:
```

1	1 ms	<1 ms	<1 ms	172.20.10.1
2	41 ms	32 ms	30 ms	10.113.148.52
3	30 ms	39 ms	24 ms	10.251.49.237
4	43 ms	24 ms	25 ms	10.251.49.249
5	28 ms	24 ms	23 ms	10.251.49.237
6	29 ms	26 ms	23 ms	10.251.49.238
7	*	32 ms	24 ms	10.113.228.1
8	46 ms	31 ms	40 ms	41.192.248.18
9	30 ms	23 ms	22 ms	10.113.213.66
10	21 ms	25 ms	23 ms	41.21.235.2
11	201 ms	181 ms	190 ms	10.118.46.166
12	202 ms	212 ms	206 ms	ae26-100-xcr1.lns.cw.net [195.59.222.29]
13	215 ms	210 ms	201 ms	ae1-xcr1.ltw.cw.net [195.2.24.125]
14	283 ms	267 ms	279 ms	ae32-xcr2.nyk.cw.net [195.2.8.46]
15	291 ms	279 ms	268 ms	52.95.216.78
16	285 ms	273 ms	268 ms	52.93.4.83
17	294 ms	272 ms	284 ms	52.93.4.28
18	*	*	*	Request timed out.
19	289 ms	276 ms	285 ms	150.222.242.134
20	*	*	*	Request timed out.
21	*	*	*	Request timed out.
22	*	*	*	Request timed out.
23	*	*	*	Request timed out.
24	292 ms	279 ms	286 ms	52.93.132.161
25	*	*	*	Request timed out.
26	*	*	*	Request timed out.
27	*	*	*	Request timed out.
28	*	*	*	Request timed out.
29	*	*	*	Request timed out.
30	*	*	*	Request timed out.
31	*	*	*	Request timed out.
32	*	*	*	Request timed out.
33	*	*	*	Request timed out.
34	*	*	*	Request timed out.
35	294 ms	273 ms	285 ms	52.93.28.226
36	*	*	*	Request timed out.
37	*	*	*	Request timed out.
38	*	*	*	Request timed out.
39	*	*	*	Request timed out.
40	*	*	*	Request timed out.
41	*	*	*	Request timed out.
42	*	*	*	Request timed out.
43	289 ms	275 ms	273 ms	ec2-35-175-70-228.compute-1.amazonaws.com [35.175.70.228]

```
Trace complete.
```

```
PS C:\WINDOWS\system32>
```