

JARINGAN KOMPUTER

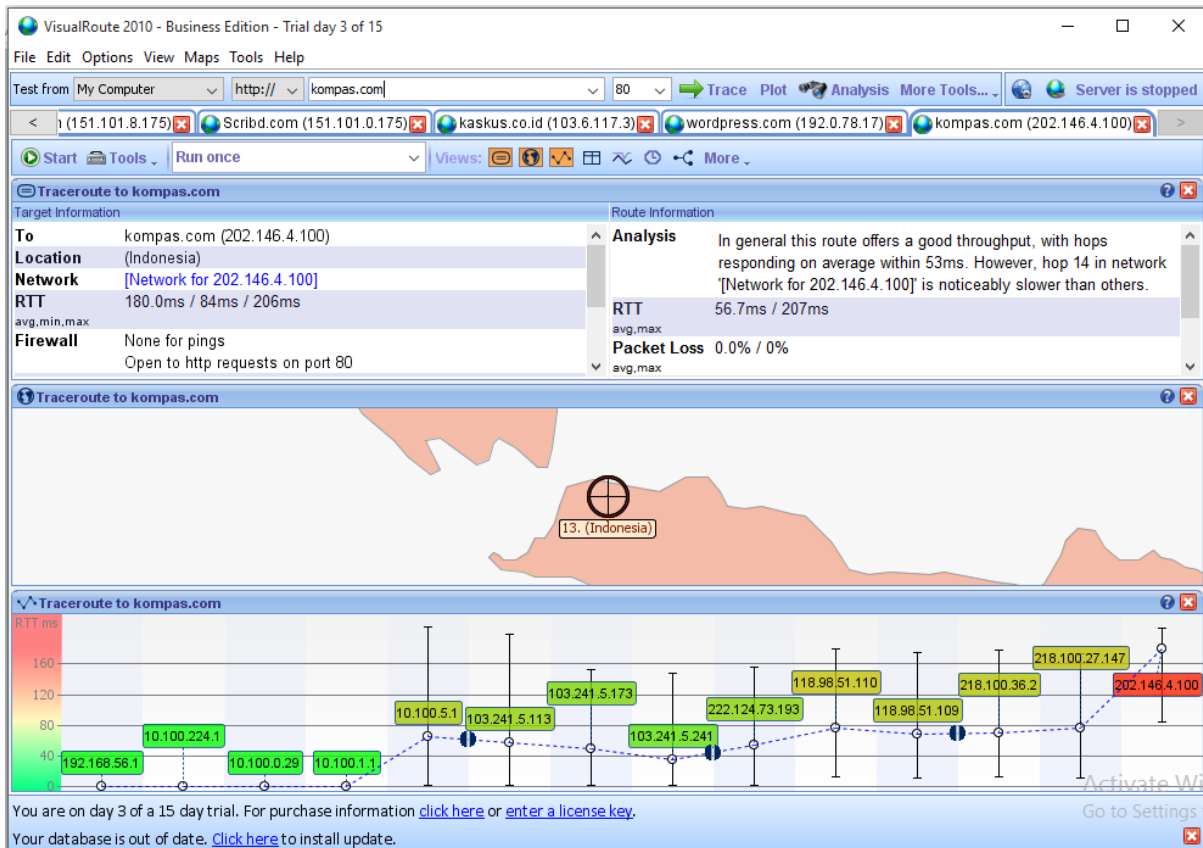
TASK 2



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Website di Indonesia



Contoh salah satu website yang ada di Indonesia yaitu Kompas.com

Pada software visual route dapat dilihat pada website Kompas.com memiliki 14 alamat IP yang ada di Indonesia.

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.10240]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\Fiah>tracert Kompas.com

Tracing route to Kompas.com [202.146.4.100]
over a maximum of 30 hops:

  1  1 ms    1 ms    1 ms    hotspot-idl.ilkom.unsri.ac.id [10.100.224.1]
  2  2 ms    1 ms    1 ms    29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.29]
  3  2 ms    1 ms    1 ms    10.100.1.1
  4  163 ms  154 ms  161 ms  10.100.5.1
  5  187 ms  197 ms  57 ms  host-103.241.5.113.unsri.ac.id [103.241.5.113]
  6  117 ms  125 ms  134 ms  noc-idl.unsri.ac.id [103.241.5.173]
  7  164 ms  174 ms  4 ms   ip-241-5.unsri.ac.id [103.241.5.241]
  8  116 ms  126 ms  125 ms  193.subnet222-124-73.p2p.telkom.net.id [222.124.73.193]
  9  170 ms  153 ms  90 ms  110.subnet118-98-51.astinet.telkom.net.id [118.98.51.110]
 10  206 ms  213 ms  158 ms  109.subnet118-98-51.astinet.telkom.net.id [118.98.51.109]
 11  145 ms  37 ms   151 ms  218.100.36.2
 12  202 ms  209 ms  208 ms  ubnet.openixp.net [218.100.27.147]
 13  140 ms  30 ms   14 ms  202.146.4.100

Trace complete.
```

```

C:\Windows\system32\cmd.exe

C:\Users\Fiah>tracert -d kompas.com

Tracing route to kompas.com [202.146.4.100]
over a maximum of 30 hops:

  1    1 ms     1 ms     1 ms    10.100.224.1
  2    2 ms     1 ms     2 ms    10.100.0.29
  3    1 ms     1 ms     2 ms    10.100.1.1
  4   56 ms    1 ms     3 ms    10.100.5.1
  5    2 ms     3 ms     2 ms    103.241.5.113
  6   99 ms    71 ms    87 ms    103.241.5.173
  7  131 ms   135 ms   56 ms    103.241.5.241
  8  177 ms    49 ms     4 ms    222.124.73.193
  9  202 ms    21 ms   100 ms    118.98.51.110
 10  148 ms   148 ms  161 ms    118.98.51.109
 11  192 ms   196 ms  203 ms    218.100.36.2
 12  116 ms   100 ms   76 ms    218.100.27.147
 13  162 ms   163 ms  169 ms    202.146.4.100

Trace complete.

C:\Users\Fiah>

```

Sedangkan jika dibandingkan dengan menggunakan cmd maka hasil IP yang terdeteksi hanya ada 13 alamat IP. Dikarenakan pada software visual route terdapat 1 alamat IP terkahir yang berwarna merah yang menyatakan alamat IP tersebut tidak terdeteksi. Jika menggunakan cmd hasil akan terlihat langsung yang menampilkan 13 alamat IP tersebut.

Untuk mengetahui masing-masing alamat IP tersebut menggunakan network tools.

Alamat IP yang didapat menggunakan network tools adalah :

Lookup failed: 192.168.56.1 No data
 192.168.56.1 is from Other (XX) in region Unclassified

TraceRoute from Network-Tools.com to 192.168.56.1

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	Timed out	Timed out	Timed out	-	-
2	Timed out	Timed out	Timed out	-	-
3	Timed out	Timed out	Timed out	-	-
4	Timed out	Timed out	Timed out	-	-

5	Timed out	Timed out	Timed out	-
6	Timed out	Timed out	Timed out	-
7	Timed out	Timed out	Timed out	-
8	Timed out	Timed out	Timed out	-
9	Timed out	Timed out	Timed out	-
10	Timed out	Timed out	Timed out	-
11	Timed out	Timed out	Timed out	-
12	Timed out	Timed out	Timed out	-
13	Timed out	Timed out	Timed out	-
14	Timed out	Timed out	Timed out	-

Trace aborted.

Lookup failed: 10.100.224.1 No data
 10.100.224.1 is from Other (XX) in region Unclassified

TraceRoute from Network-Tools.com to 10.100.224.1

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
2	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
3	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
4	Timed out	Timed out	Timed out		-

5	Timed out	Timed out	Timed out	-
6	Timed out	Destination network unreachable	Destination network unreachable	-
7	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
8	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
9	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
10	Timed out	Timed out	Timed out	-
11	Timed out	Timed out	Timed out	-
12	Timed out	Destination network unreachable	Destination network unreachable	-
13	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
14	Destination network unreachable	Destination network unreachable	Destination network unreachable	-

Trace aborted.

Lookup failed: 10.100.1.1 No data
 10.100.1.1 is from Other (XX) in region Unclassified

TraceRoute from Network-Tools.com to 10.100.1.1

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	Destination network unreachable	Destination network unreachable	Destination network unreachable	-	-
2	Destination network unreachable	Destination network unreachable	Destination network unreachable	-	-

3	Destination network unreachable	Timed out	Timed out	-
4	Timed out	Timed out	Timed out	-
5	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
6	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
7	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
8	Destination network unreachable	Timed out	Timed out	-
9	Timed out	Timed out	Timed out	-
10	Timed out	Timed out	Destination network unreachable	-
11	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
12	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
13	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
14	Destination network unreachable	Destination network unreachable	Timed out	-

Trace aborted.

Lookup failed: 10.100.5.1 No data
10.100.5.1 is from Other (XX) in region Unclassified

TraceRoute from Network-Tools.com to 10.100.5.1

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	Timed out	Timed out	Timed out		-
2	Timed out	Timed out	Timed out		-
3	Timed out	Timed out	Timed out		-
4	Timed out	Timed out	Timed out		-
5	Timed out	Timed out	Timed out		-
6	Timed out	Timed out	Timed out		-
7	Timed out	Timed out	Timed out		-
8	Timed out	Timed out	Timed out		-
9	Timed out	Timed out	Destination network unreachable		-
10	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
11	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
12	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
13	Destination network unreachable	Destination network unreachable	Timed out		-
14	Timed out	Timed out	Timed out		-

Trace aborted.

103.241.5.113 is from Indonesia (ID) in region Southern and Eastern Asia
Input: 103.241.5.113
canonical name: host-103.241.5.113.unsri.ac.id
Registered Domain: unsri.ac.id

TraceRoute from Network-Tools.com to 103.241.5.113 [host-103.241.5.113.unsri.ac.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.233	-
2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	322	311	443	173.219.225.56	173-219-225-56.suddenlink.net
4	1	1	1	38.140.104.225	be4714.ccr41.dfw03.atlas.cogentco.com
5	1	1	1	154.54.28.73	be2763.ccr21.dfw01.atlas.cogentco.com
6	6	6	6	154.54.41.65	be2441.ccr21.iah01.atlas.cogentco.com
7	35	34	35	154.54.29.222	be2927.ccr21.elp01.atlas.cogentco.com
8	34	35	34	154.54.42.65	be2929.ccr21.phx02.atlas.cogentco.com
9	34	34	34	154.54.44.86	be2931.ccr21.lax01.atlas.cogentco.com
10	37	37	37	154.54.44.78	be2964.ccr41.lax04.atlas.cogentco.com
11	207	208	207	38.104.83.210	-
12	236	220	220	180.240.192.73	-
13	210	208	208	180.240.193.234	-
14	213	229	210	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
15	228	228	226	222.124.73.198	198.subnet222-124-73.p2p.telkom.net.id
16	228	229	227	103.241.5.244	r2-idl.unsri.ac.id
17	229	232	229	103.241.5.113	host-103.241.5.113.unsri.ac.id

Trace complete

103.241.5.173 is from Indonesia (ID) in region Southern and Eastern Asia
Input: 103.241.5.173
canonical name: noc-idl.unsri.ac.id
Registered Domain: unsri.ac.id

TraceRoute from Network-Tools.com to 103.241.5.173 [noc-idl.unsri.ac.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	18	0	0	206.123.64.233	-

2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	313	305	446	173.219.230.155	173-219-230-155.suddenlink.net
4	22	22	23	213.248.90.101	dls-bb1-link.telia.net
5	54	55	54	80.91.254.169	las-b21-link.telia.net
6	238	238	238	62.115.121.193	hnk-b2-link.telia.net
7	Timed out	Timed out	239	62.115.56.150	telin-ic-313116-hnk-b2.c.telia.net
8	223	224	223	180.240.190.113	-
9	219	219	219	180.240.190.117	-
10	220	217	218	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
11	234	236	234	222.124.73.198	198.subnet222-124-73.p2p.telkom.net.id
12	238	237	234	103.241.5.173	noc-idl.unsri.ac.id

Trace complete

103.241.5.241 is from Indonesia (ID) in region Southern and Eastern Asia

Input: 103.241.5.241

canonical name: ip-241-5.unsri.ac.id

Registered Domain: unsri.ac.id

TraceRoute from Network-Tools.com to 103.241.5.241 [ip-241-5.unsri.ac.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.233	-
2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	312	315	392	173.219.225.56	173-219-225-56.suddenlink.net
4	1	1	1	38.140.104.225	be4714.ccr41.dfw03.atlas.cogentco.com
5	1	1	0	154.54.47.213	be2764.ccr22.dfw01.atlas.cogentco.com
6	6	6	6	154.54.44.229	be2443.ccr22.iah01.atlas.cogentco.com
7	34	35	35	154.54.30.162	be2928.ccr21.elp01.atlas.cogentco.com
8	34	34	34	154.54.42.77	be2930.ccr22.phx02.atlas.cogentco.com
9	35	35	34	154.54.45.162	be2932.ccr22.lax01.atlas.cogentco.com
10	38	37	37	154.54.45.2	be2965.ccr41.lax04.atlas.cogentco.com
11	207	208	208	38.104.83.210	-

12	223	220	220	180.240.192.73	-
13	211	225	208	180.240.193.234	-
14	212	227	210	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
15	230	230	228	103.241.5.241	ip-241-5.unsri.ac.id

Trace complete

222.124.73.193 is from Indonesia (ID) in region Southern and Eastern Asia
 Input: 222.124.73.193
 canonical name: 193.subnet222-124-73.p2p.telkom.net.id
 Registered Domain: telkom.net.id

TraceRoute from Network-Tools.com to 222.124.73.193 [193.subnet222-124-73.p2p.telkom.net.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.221	-
2	Timed out	Timed out	Timed out		-
3	32	32	32	4.69.144.138	ae-3-80.edge1.losangeles9.level3.net
4	32	32	32	4.69.144.138	ae-3-80.edge1.losangeles9.level3.net
5	32	32	32	4.53.228.154	pt.telekomu.edge1.losangeles9.level3.net
6	210	210	210	180.240.192.37	-
7	218	219	219	61.94.117.129	-
8	Timed out	Timed out	Timed out		-
9	Timed out	Timed out	Timed out		-
10	Timed out	Timed out	Timed out		-
11	Timed out	Timed out	Timed out		-
12	Timed out	Timed out	Timed out		-
13	Timed out	Timed out	Timed out		-

14	Timed out	Timed out	Timed out	-
15	Timed out	Timed out	Timed out	-
16	Timed out	Timed out	Timed out	-
17	Timed out	Timed out	Timed out	-
18	Timed out	Timed out	Timed out	-
19	Timed out	Timed out	Timed out	-
20	Timed out	Timed out	Timed out	-
21	Timed out	Timed out	Timed out	-

Trace aborted.

118.98.51.109 is from Indonesia (ID) in region Southern and Eastern Asia
 Input: 118.98.51.109
 canonical name: 109.subnet118-98-51.astinet.telkom.net.id
 Registered Domain: telkom.net.id

TraceRoute from Network-Tools.com to 118.98.51.109 [109.subnet118-98-51.astinet.telkom.net.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.233	-
2	Timed out	Timed out	Timed out		-
3	32	32	32	4.69.144.138	ae-3-80.edge1.losangeles9.level3.net
4	32	32	32	4.69.144.138	ae-3-80.edge1.losangeles9.level3.net
5	32	32	66	4.53.228.154	pt.telekomu.edge1.losangeles9.level3.net
6	210	210	210	180.240.192.37	-
7	218	219	219	61.94.117.125	-
8	228	228	228	118.98.2.90	-

9	Timed out	Timed out	Timed out	-
10	Timed out	Timed out	Timed out	-
11	Timed out	Timed out	Timed out	-
12	Timed out	Timed out	Timed out	-
13	Timed out	Timed out	Timed out	-
14	Timed out	Timed out	Timed out	-
15	Timed out	Timed out	Timed out	-
16	Timed out	Timed out	Timed out	-
17	Timed out	Timed out	Timed out	-
18	Timed out	Timed out	Timed out	-
19	Timed out	Timed out	Timed out	-
20	Timed out	Timed out	Timed out	-
21	Timed out	Timed out	Timed out	-
22	Timed out	Timed out	Timed out	-

Trace aborted.

Lookup failed: 218.100.36.2 No data
 218.100.36.2 is from Australia (AU) in region Oceania

TraceRoute from Network-Tools.com to 218.100.36.2

Hop	(ms)	(ms)	(ms)	IP Address	Host name
	Destination	Destination	Destination		
1	network unreachable	network unreachable	network unreachable		-

2	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
3	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
4	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
5	Timed out	Timed out	Timed out	-
6	Timed out	Timed out	Timed out	-
7	Timed out	Destination network unreachable	Destination network unreachable	-
8	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
9	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
10	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
11	Timed out	Timed out	Timed out	-
12	Timed out	Timed out	Timed out	-
13	Timed out	Destination network unreachable	Destination network unreachable	-
14	Destination network unreachable	Destination network unreachable	Destination network unreachable	-

Trace aborted.

218.100.27.147 is from Indonesia (ID) in region Southern and Eastern Asia

Input: 218.100.27.147

canonical name: ubnet.openixp.net

Registered Domain: openixp.net

TraceRoute from Network-Tools.com to 218.100.27.147 [ubnet.openixp.net]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	Destination network unreachable	Destination network unreachable	Timed out		-
2	Timed out	Timed out	Destination network unreachable		-
3	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
4	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
5	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
6	Destination network unreachable	Destination network unreachable	Timed out		-
7	Timed out	Timed out	Timed out		-
8	Timed out	Timed out	Timed out		-
9	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
10	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
11	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
12	Destination network unreachable	Destination network unreachable	Destination network unreachable		-

13	Timed out	Timed out	Timed out	-
14	Timed out	Timed out	Timed out	-

Trace aborted.

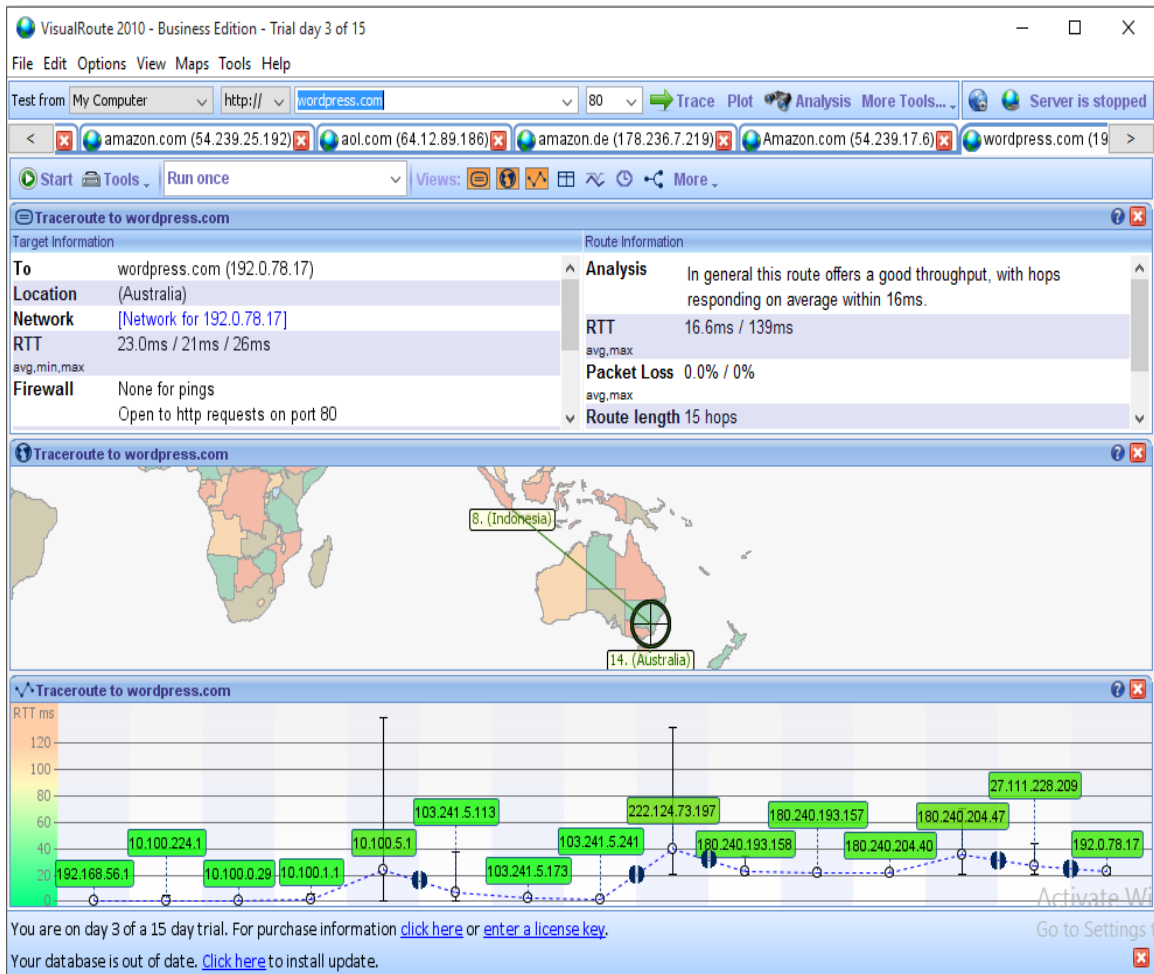
Lookup failed: 202.146.4.100 No data
 202.146.4.100 is from Indonesia (ID) in region Southern and Eastern Asia

TraceRoute from Network-Tools.com to 202.146.4.100

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.221	-
2	Timed out	Timed out	Timed out		-
3	Timed out	Timed out	Timed out		-
4	22	22	22	62.115.52.221	dls-b21-link.telia.net
5	54	58	54	213.155.131.77	las-b21-link.telia.net
6	215	215	215	62.115.134.42	snge-b1-link.telia.net
7	219	219	219	213.248.78.190	ptlynx-ic-310271-snge-b1.c.telia.net
8	216	216	216	116.68.229.94	lynx-static-116-68-229-94.lynx.net.id
9	214	214	214	202.146.4.100	-

Trace complete

Website yang ada di luar



Contoh salah satu website yang ada di luar negeri yaitu Wordpress.com

Pada software visual route dapat dilihat pada website Wordpress.com memiliki 15 alamat IP yang ada di Australia.


```
C:\Windows\system32\cmd.exe
```

```
Microsoft Windows [Version 10.0.10240]  
(c) 2015 Microsoft Corporation. All rights reserved.
```

```
C:\Users\Fiah>tracert wordpress.com
```

```
Tracing route to wordpress.com [192.0.78.17]  
over a maximum of 30 hops:
```

1	2 ms	1 ms	2 ms	hotspot-idl.ilkom.unsri.ac.id [10.100.224.1]
2	2 ms	1 ms	1 ms	29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.29]
3	1 ms	1 ms	1 ms	10.100.1.1
4	49 ms	161 ms	157 ms	10.100.5.1
5	98 ms	1 ms	2 ms	host-103.241.5.113.unsri.ac.id [103.241.5.113]
6	89 ms	94 ms	103 ms	noc-idl.unsri.ac.id [103.241.5.173]
7	4 ms	4 ms	3 ms	ip-241-5.unsri.ac.id [103.241.5.241]
8	98 ms	94 ms	23 ms	197.subnet222-124-73.p2p.telkom.net.id [222.124.73.197]
9	25 ms	22 ms	21 ms	180.240.193.158
10	41 ms	41 ms	20 ms	180.240.193.157
11	66 ms	25 ms	22 ms	180.240.204.40
12	93 ms	25 ms	21 ms	180.240.204.47
13	24 ms	22 ms	23 ms	2635.sgw.equinix.com [27.111.228.209]
14	22 ms	22 ms	23 ms	192.0.78.17

```
Trace complete.
```

```
C:\Users\Fiah>
```

```
C:\Users\Fiah>tracert -d wordpress.com
```

```
Tracing route to wordpress.com [192.0.78.17]  
over a maximum of 30 hops:
```

1	1 ms	1 ms	6 ms	10.100.224.1
2	2 ms	1 ms	2 ms	10.100.0.29
3	1 ms	2 ms	1 ms	10.100.1.1
4	95 ms	194 ms	98 ms	10.100.5.1
5	2 ms	2 ms	3 ms	103.241.5.113
6	135 ms	140 ms	76 ms	103.241.5.173
7	52 ms	46 ms	4 ms	103.241.5.241
8	23 ms	21 ms	22 ms	222.124.73.197
9	25 ms	23 ms	24 ms	180.240.193.158
10	21 ms	37 ms	22 ms	180.240.193.157
11	22 ms	22 ms	22 ms	180.240.204.40
12	25 ms	21 ms	21 ms	180.240.204.47
13	25 ms	21 ms	21 ms	27.111.228.209
14	22 ms	22 ms	22 ms	192.0.78.17

```
Trace complete.
```

```
C:\Users\Fiah>
```

Sedangkan jika dibandingkan dengan menggunakan cmd maka hasil IP yang terdeteksi hanya ada 14 alamat IP.

Untuk mengetahui masing-masing alamat IP tersebut menggunakan network tools.

Alamat IP yang didapat menggunakan network tools adalah :

Lookup failed: 192.168.56.1 No data
192.168.56.1 is from Other (XX) in region Unclassified

TraceRoute from Network-Tools.com to 192.168.56.1

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	Timed out	Timed out	Timed out		-
2	Timed out	Timed out	Timed out		-
3	Timed out	Timed out	Timed out		-
4	Timed out	Timed out	Timed out		-
5	Timed out	Timed out	Timed out		-
6	Timed out	Timed out	Timed out		-
7	Timed out	Timed out	Timed out		-
8	Timed out	Timed out	Timed out		-
9	Timed out	Timed out	Timed out		-
10	Timed out	Timed out	Timed out		-
11	Timed out	Timed out	Timed out		-
12	Timed out	Timed out	Timed out		-
13	Timed out	Timed out	Timed out		-
14	Timed out	Timed out	Timed out		-

Trace aborted.

Lookup failed: 10.100.224.1 No data
10.100.224.1 is from Other (XX) in region Unclassified

TraceRoute from Network-Tools.com to 10.100.224.1

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
2	Destination network unreachable	Destination network unreachable	Timed out		-
3	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
4	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
5	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
6	Destination network unreachable	Destination network unreachable	Timed out		-
7	Timed out	Timed out	Timed out		-
8	Timed out	Timed out	Timed out		-
9	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
10	Destination network unreachable	Destination network unreachable	Destination network unreachable		-

11	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
12	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
13	Timed out	Timed out	Timed out	-

Trace aborted.

Lookup failed: 10.100.0.29 No data
10.100.0.29 is from Other (XX) in region Unclassified

TraceRoute from Network-Tools.com to 10.100.0.29

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	Destination network unreachable	Destination network unreachable	Destination network unreachable	-	
2	Destination network unreachable	Destination network unreachable	Destination network unreachable	-	
3	Timed out	Timed out	Destination network unreachable	-	
4	Destination network unreachable	Destination network unreachable	Destination network unreachable	-	
5	Destination network unreachable	Destination network unreachable	Destination network unreachable	-	
6	Destination network unreachable	Destination network unreachable	Destination network unreachable	-	
7	Destination network unreachable	Timed out	Timed out	-	
8	Timed out	Timed out	Timed out	-	

9	Timed out	Timed out	Destination network unreachable	-
10	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
11	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
12	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
13	Destination network unreachable	Timed out	Timed out	-
14	Timed out	Timed out	Timed out	-

Trace aborted.

Lookup failed: 10.100.1.1 No data
10.100.1.1 is from Other (XX) in region Unclassified

TraceRoute from Network-Tools.com to 10.100.1.1

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	Destination network unreachable	Destination network unreachable	Destination network unreachable	-	
2	Timed out	Timed out	Timed out	-	
3	Timed out	Destination network unreachable	Destination network unreachable	-	
4	Destination network unreachable	Destination network unreachable	Destination network unreachable	-	
5	Destination network unreachable	Destination network unreachable	Destination network unreachable	-	

6	Destination network unreachable	Destination network unreachable	Timed out	-
7	Timed out	Timed out	Timed out	-
8	Timed out	Timed out	Timed out	-
9	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
10	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
11	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
12	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
13	Timed out	Timed out	Timed out	-
14	Timed out	Timed out	Timed out	-

Trace aborted.

Lookup failed: 10.100.5.1 No data
10.100.5.1 is from Other (XX) in region Unclassified

TraceRoute from Network-Tools.com to 10.100.5.1

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	Timed out	Timed out	Timed out	-	-
2	Destination network unreachable	Destination network unreachable	Destination network unreachable	-	-

3	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
4	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
5	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
6	Timed out	Timed out	Timed out	-
7	Timed out	Timed out	Timed out	-
8	Timed out	Destination network unreachable	Destination network unreachable	-
9	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
10	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
11	Destination network unreachable	Destination network unreachable	Destination network unreachable	-
12	Timed out	Timed out	Timed out	-
13	Timed out	Timed out	Timed out	-
14	Timed out	Destination network unreachable	Destination network unreachable	-

Trace aborted.

103.241.5.113 is from Indonesia (ID) in region Southern and Eastern Asia

Input: 103.241.5.113

canonical name: host-103.241.5.113.unsri.ac.id

Registered Domain: unsri.ac.id

TraceRoute from Network-Tools.com to 103.241.5.113 [host-103.241.5.113.unsri.ac.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.233	-
2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	322	314	308	173.219.225.56	173-219-225-56.suddenlink.net
4	1	1	1	38.140.104.225	be4714.ccr41.dfw03.atlas.cogentco.com
5	1	1	1	154.54.28.73	be2763.ccr21.dfw01.atlas.cogentco.com
6	6	6	6	154.54.41.65	be2441.ccr21.iah01.atlas.cogentco.com
7	46	45	45	154.54.29.222	be2927.ccr21.elp01.atlas.cogentco.com
8	34	34	34	154.54.42.65	be2929.ccr21.phx02.atlas.cogentco.com
9	46	45	45	154.54.44.86	be2931.ccr21.lax01.atlas.cogentco.com
10	37	37	37	154.54.44.78	be2964.ccr41.lax04.atlas.cogentco.com
11	208	208	213	38.104.83.210	-
12	237	218	218	180.240.192.73	-
13	209	232	225	180.240.193.234	-
14	214	210	210	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
15	228	226	226	222.124.73.198	198.subnet222-124-73.p2p.telkom.net.id
16	228	245	227	103.241.5.244	r2-idl.unsri.ac.id
17	230	229	230	103.241.5.113	host-103.241.5.113.unsri.ac.id

Trace complete

103.241.5.173 is from Indonesia (ID) in region Southern and Eastern Asia
Input: 103.241.5.173
canonical name: noc-idl.unsri.ac.id
Registered Domain: unsri.ac.id

TraceRoute from Network-Tools.com to 103.241.5.173 [noc-idl.unsri.ac.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.233	-
2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	320	353	314	173.219.230.155	173-219-230-155.suddenlink.net
4	22	22	24	213.248.90.101	dls-bb1-link.telia.net
5	54	54	54	80.91.254.169	las-b21-link.telia.net
6	238	238	238	62.115.121.193	hnk-b2-link.telia.net
7	Timed out	239	239	62.115.56.150	telin-ic-313116-hnk-b2.c.telia.net
8	217	230	223	180.240.190.113	-
9	217	218	216	180.240.193.234	-
10	216	216	223	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
11	218	218	237	222.124.73.198	198.subnet222-124-73.p2p.telkom.net.id
12	235	238	234	222.124.73.198	198.subnet222-124-73.p2p.telkom.net.id
13	235	235	234	103.241.5.173	noc-idl.unsri.ac.id

Trace complete

103.241.5.241 is from Indonesia (ID) in region Southern and Eastern Asia
Input: 103.241.5.241
canonical name: ip-241-5.unsri.ac.id
Registered Domain: unsri.ac.id

TraceRoute from Network-Tools.com to 103.241.5.241 [ip-241-5.unsri.ac.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.233	-
2	2	1	1	173.219.246.92	173-219-246-92.suddenlink.net

3	399	320	359	173.219.225.56	173-219-225-56.suddenlink.net
4	1	1	1	38.140.104.225	be4714.ccr41.dfw03.atlas.cogentco.com
5	2	1	1	154.54.47.213	be2764.ccr22.dfw01.atlas.cogentco.com
6	6	6	6	154.54.44.229	be2443.ccr22.iah01.atlas.cogentco.com
7	35	35	34	154.54.30.162	be2928.ccr21.elp01.atlas.cogentco.com
8	35	35	34	154.54.42.77	be2930.ccr22.phx02.atlas.cogentco.com
9	34	35	34	154.54.45.162	be2932.ccr22.lax01.atlas.cogentco.com
10	37	38	37	154.54.45.2	be2965.ccr41.lax04.atlas.cogentco.com
11	208	249	208	38.104.83.210	-
12	218	218	218	180.240.192.73	-
13	211	225	225	180.240.193.234	-
14	229	210	228	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
15	230	230	228	103.241.5.241	ip-241-5.unsri.ac.id

Trace complete

222.124.73.197 is from Indonesia (ID) in region Southern and Eastern Asia

Input: 222.124.73.197

canonical name: 197.subnet222-124-73.p2p.telkom.net.id

Registered Domain: telkom.net.id

TraceRoute from Network-Tools.com to 222.124.73.197 [197.subnet222-124-73.p2p.telkom.net.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.221	-
2	Timed out	Timed out	Timed out		-
3	32	32	32	4.69.144.202	ae-4-90.edge1.losangeles9.level3.net
4	32	32	33	4.69.144.202	ae-4-90.edge1.losangeles9.level3.net
5	32	32	32	4.53.228.154	pt.telekomu.edge1.losangeles9.level3.net
6	210	210	226	180.240.192.37	-
7	219	219	219	61.94.117.129	-
8	234	227	227	118.98.2.90	-

9	Timed out	Timed out	Timed out	-	-
10	Timed out	Timed out	Timed out	-	-
11	232	232	232	222.124.73.198	198.subnet222-124-73.p2p.telkom.net.id
12	232	232	232	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id

Trace complete

Lookup failed: 180.240.193.157 No data
 180.240.193.157 is from Singapore (SG) in region Southern and Eastern Asia

TraceRoute from Network-Tools.com to 180.240.193.157

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.221	-
2	1	1	1	129.250.202.253	xe-0-4-0-12.r01.dllstx04.us.bb.gin.ntt.net
3	1	1	1	129.250.6.128	ae-2.r23.dllstx09.us.bb.gin.ntt.net
4	39	39	39	129.250.4.154	ae-8.r23.snjsca04.us.bb.gin.ntt.net
5	37	37	38	129.250.2.182	ae-0.r22.snjsca04.us.bb.gin.ntt.net
6	214	213	213	129.250.3.49	ae-2.r20.sngpsi05.sg.bb.gin.ntt.net
7	220	221	220	129.250.3.147	ae-2.r00.sngpsi02.sg.bb.gin.ntt.net
8	225	225	225	116.51.26.34	-
9	222	221	222	180.240.193.157	-

Trace complete

Lookup failed: 180.240.204.40 No data
 180.240.204.40 is from Singapore (SG) in region Southern and Eastern Asia

TraceRoute from Network-Tools.com to 180.240.204.40

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.233	-
2	1	1	1	129.250.202.253	xe-0-4-0-12.r01.dllstx04.us.bb.gin.ntt.net
3	6	9	1	129.250.6.128	ae-2.r23.dllstx09.us.bb.gin.ntt.net
4	39	39	39	129.250.4.154	ae-8.r23.snjsca04.us.bb.gin.ntt.net
5	37	37	37	129.250.2.182	ae-0.r22.snjsca04.us.bb.gin.ntt.net
6	224	224	224	129.250.3.49	ae-2.r20.sngpsi05.sg.bb.gin.ntt.net
7	231	231	231	129.250.3.147	ae-2.r00.sngpsi02.sg.bb.gin.ntt.net
8	236	236	236	116.51.26.34	-
9	219	220	220	180.240.204.40	-

Trace complete

Lookup failed: 180.240.204.47 No data

180.240.204.47 is from Singapore (SG) in region Southern and Eastern Asia

TraceRoute from Network-Tools.com to 180.240.204.47

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.233	-
2	1	2	1	129.250.202.253	xe-0-4-0-12.r01.dllstx04.us.bb.gin.ntt.net
3	2	1	2	129.250.6.128	ae-2.r23.dllstx09.us.bb.gin.ntt.net
4	40	40	40	129.250.4.154	ae-8.r23.snjsca04.us.bb.gin.ntt.net
5	39	39	39	129.250.2.182	ae-0.r22.snjsca04.us.bb.gin.ntt.net
6	213	213	213	129.250.3.49	ae-2.r20.sngpsi05.sg.bb.gin.ntt.net
7	220	220	221	129.250.3.147	ae-2.r00.sngpsi02.sg.bb.gin.ntt.net

8 225 225 225 180.240.204.47 -

Trace complete

27.111.228.209 is from Singapore (SG) in region Southern and Eastern Asia

Input: 27.111.228.209

canonical name: 2635.sgw.equinix.com

Registered Domain: equinix.com

TraceRoute from Network-Tools.com to 27.111.228.209

[2635.sgw.equinix.com]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
2	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
3	Destination network unreachable	Timed out	Timed out		-
4	Timed out	Timed out	Timed out		-
5	Timed out	Timed out	Timed out		-
6	Timed out	Timed out	Timed out		-
7	Timed out	Timed out	Timed out		-
8	Timed out	Timed out	Timed out		-
9	Timed out	Timed out	Timed out		-
10	Destination network unreachable	Destination network unreachable	Destination network unreachable		-
11	Destination network unreachable	Destination network unreachable	Destination network unreachable		-

12	Timed out	Timed out	Timed out	-
13	Timed out	Timed out	Timed out	-
14	Timed out	Destination network unreachable	Destination network unreachable	-

Trace aborted.

Lookup failed: 192.0.78.17 No data
 192.0.78.17 is from United States (US) in region North America

TraceRoute from Network-Tools.com to 192.0.78.17

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.233	-
2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	308	339	435	173.219.225.56	173-219-225-56.suddenlink.net
4	2	2	6	206.223.118.177	eqix-dal.automattic.com
5	2	2	2	198.181.119.77	wordpress.com
6	2	2	2	100.66.28.3	-
7	2	2	2	192.0.78.17	-

Trace complete

dalam perbandingan menggunakan software visual route dengan menggunakan cmd perbedaaan yang dapat dilihat yaitu pada alamat IP nya. Dimana pada masing-masing alamat IP dengan menggunakan cmd akan berkurang satu alamat IP. Kemudian antara domain – domain website antara luar negeri dan dalam negri banyak kesamaan yang terjadi menggunakan network tools.