

TUGAS JARINGAN KOMPUTER

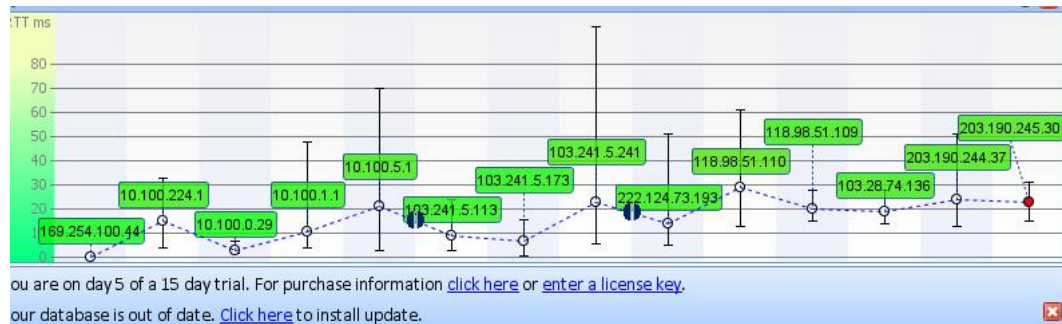


DISUSUN OLEH :

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1. Analisa website yang ada di IIX dengan website www.cnnindonesia.com dimana website ini yaitu untuk mengetahui kabar atau berita sehari-hari



(Gambar route pada software visual router)

TraceRoute from Network-Tools.com to 203.190.245.30 [cnnindonesia.com]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	1	0	0	206.123.64.221	-
2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	318	311	463	173.219.230.155	173-219-230-155.suddenlink.net
4	21	22	22	213.248.90.101	dls-bb1-link.telia.net
5	54	54	54	62.115.139.9	las-b21-link.telia.net
6	238	239	238	62.115.121.193	hnk-b2-link.telia.net
7	218	218	218	62.115.56.150	telin-ic-313116-hnk-b2.c.telia.net
8	223	229	230	180.240.190.101	-
9	219	222	218	180.240.190.117	-
10	215	244	216	180.240.193.234	-
11	239	236	239	36.66.29.145	-
12	233	233	231	203.190.244.37	-
13	236	234	234	203.190.245.30	-

Trace complete

(Gambar route pada networks-tools)

```

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

Tracing route to cnnindonesia.com [203.190.245.30]
over a maximum of 30 hops:
  0  16 ms  6 ms  9 ms  hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
  1  3 ms  11 ms  9 ms  29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.2
  2  3 ms  3 ms  2 ms  10.100.1.1
  3  14 ms  3 ms  5 ms  10.100.5.1
  4  10 ms  5 ms  11 ms  host-103.241.5.113.unsri.ac.id [103.241.5.113]
  5  11 ms  14 ms  11 ms  noc-id1.unsri.ac.id [103.241.5.173]
  6  4 ms  3 ms  16 ms  ip-241-5.unsri.ac.id [103.241.5.241]
  7  24 ms  12 ms  9 ms  193.subnet222-124-73.p2p.telkom.net.id [222.124.
  8  42 ms  20 ms  24 ms  110.subnet118-98-51.astinet.telkom.net.id [118.9
  9  36 ms  86 ms  17 ms  109.subnet118-98-51.astinet.telkom.net.id [118.9
 10  18 ms  52 ms  32 ms  detik-as24211.iix.net.id [103.28.74.136]
 11  14 ms  25 ms  18 ms  203.190.244.37
 12  307 ms  136 ms  1711 ms  203.190.245.30

Trace complete.
C:\Users\user>

```

(Gambar route pada cmd)

Dari gambar diatas terdapat route 14 hop. Ip 169.254.100.44 adalah nomor Ip yang ada pada laptop yang saya gunakan terlihat pada gambar dibawah ini

```

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

Ethernet adapter Local Area Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

Ethernet adapter VirtualBox Host-Only Network:

    Connection-specific DNS Suffix . :
    Link-local IPv6 Address . . . . . : fe80::282f:bc60:98fd:642c%16
    Autoconfiguration IPv4 Address . . : 169.254.100.44
    Subnet Mask . . . . . : 255.255.0.0
    Default Gateway . . . . . :

Tunnel adapter isatap.{B0D17E3F-B22A-4020-B58B-200817D6A08C}:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

Tunnel adapter isatap.{4F02C20E-C80F-4948-A38C-23C2431F3672}:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . :

Tunnel adapter isatap.{64A0D8DD-0752-4712-A055-4D75A01DB134}:

```

(Gambar Ip yang ada pada komputer)

Analisa menggunakan website networks-tools.com : Ip dengan nomor 10.100.224.1 , 10.100.029 , 10.100.1.1 , 10.100.5.1 adalah Ip yang ada pada ruang lingkup Fakultas Ilmu Komputer Unsri .

Ip dengan nomor 103.241.5.113 berlokasi di Indonesia dengan Registered Domain: unsri.ac.id dan memiliki 17 hop

```
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	1	0	0	206.123.64.233	-
2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	172	173	167	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	34	34	34	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	35	34	35	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	298	207	207	38.104.83.210	-
12	220	218	236	180.240.192.73	-
13	209	225	208	180.240.193.234	-
14	211	228	228	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
15	228	244	228	222.124.73.198	198.subnet222-124-73.p2p.telkom.net.id
16	229	245	227	103.241.5.244	r2-idl.unsri.ac.id
17	247	246	230	103.241.5.113	host-103.241.5.113.unsri.ac.id

Trace complete

Ip 103.241.5.173 berlokasi di Indonesia dengan Registered Domain: unsri.ac.id dan memiliki 12 hop

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

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	1	0	0	206.123.64.233	-
2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	231	255	278	173.219.230.155	173-219-230-155.suddenlink.net
4	22	22	22	213.248.90.101	dls-bb1-link.telia.net
5	54	53	54	80.91.254.169	las-b21-link.telia.net
6	207	200	200	62.115.121.193	hnk-b2-link.telia.net
7	Timed out	Timed out	Timed out		-
8	230	217	223	180.240.190.113	-
9	218	218	222	180.240.193.234	-
10	223	218	218	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
11	234	237	218	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
12	237	235	235	103.241.5.173	noc-idl.unsri.ac.id

Trace complete

Dan Ip 103.241.5.241 berlokasi di Indonesia dengan Registered Domain: unsri.ac.id dan memiliki 15 hop

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	1	0	0	206.123.64.233	-
2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	60	57	49	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	154.54.47.213	be2764.ccr22.dfw01.atlas.cogentco.com
6	6	6	6	154.54.44.229	be2443.ccr22.iah01.atlas.cogentco.com
7	34	35	34	154.54.30.162	be2928.ccr21.elp01.atlas.cogentco.com
8	34	35	35	154.54.42.77	be2930.ccr22.phx02.atlas.cogentco.com
9	34	34	34	154.54.45.162	be2932.ccr22.lax01.atlas.cogentco.com
10	38	38	37	154.54.45.2	be2965.ccr41.lax04.atlas.cogentco.com
11	207	208	208	38.104.83.210	-
12	235	220	235	180.240.192.73	-
13	227	208	209	180.240.193.234	-
14	214	212	210	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
15	228	246	230	103.241.5.241	ip-241-5.unsri.ac.id

Trace complete

Nomor ip 222.124.73.193 adalah Ip yang dimiliki oleh PT.TELKOM INDONESIA dan memiliki 21hop

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	1	13	1	4.15.32.133	lag-127.ear1.dallas1.level3.net
3	36	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	90	41	32	4.53.228.154	pt.telekomu.edge1.losangeles9.level3.net
6	210	210	210	180.240.192.37	-
7	219	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.

118.98.51.110 adalah Ip yang dimiliki oleh PT.TELKOM INDONESIA dan memiliki 22hop

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

Input: 118.98.51.110

canonical name: 110.subnet118-98-51.astinet.telkom.net.id

Registered Domain: telkom.net.id

TraceRoute from Network-Tools.com to 118.98.51.110 [110.subnet118-98-51.astinet.telkom.net.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	1	0	0	206.123.64.233	-
2	Timed out	1118	Timed out	4.15.32.133	lag-127.ear1.dallas1.level3.net
3	32	32	31	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	209	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	-	-
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.

118.98.51.109 adalah Ip yang dimiliki oleh PT.TELKOM INDONESIA dan memiliki 22hop

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

Input: 118.98.51.110

canonical name: 110.subnet118-98-51.astinet.telkom.net.id

Registered Domain: telkom.net.id

TraceRoute from Network-Tools.com to 118.98.51.110 [110.subnet118-98-51.astinet.telkom.net.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	1	0	0	206.123.64.233	-
2	Timed out	1118	Timed out	4.15.32.133	lag-127.ear1.dallas1.level3.net
3	32	32	31	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	209	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.

Nomor Ip 103.28.74.136 adalah Ip yang ada pada Registered Domain: iix.net.id dan memiliki 14hop

103.28.74.136 is from Indonesia (ID) in region Southern and Eastern Asia
Input: 103.28.74.136
canonical name: detik-as24211.iix.net.id
Registered Domain: iix.net.id

TraceRoute from Network-Tools.com to 103.28.74.136 [detik-as24211.iix.net.id]

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

```

8      Timed    Timed    Timed
      out      out      out      -
9      Timed    Timed    Timed
      out      out      out      -
      Destination Destination Destination
10     network  network  network
      unreachable unreachable unreachable
      Destination Destination Destination
11     network  network  network
      unreachable unreachable unreachable
      Destination Destination Destination
12     network  network  network
      unreachable unreachable unreachable
      Destination Destination Destination
13     network  network  network
      unreachable unreachable unreachable
14     Timed    Timed    Timed
      out      out      out      -
Trace aborted.

```

03.190.244.37 adalah nomor Ip yang ada di iix.net.id yang berada di amerika dan memiliki 14hop

3.190.244.37 is from United States (US) in region North America

Input: 03.190.244.37

canonical name: n003-000-000-000.static.ge.com

Registered Domain: ge.com

TraceRoute from Network-Tools.com to 3.190.244.37 [n003-000-000-000.static.ge.com]

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

```

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

```

dan yang terakhir nomor ip 203.190.245.30 adalah nomor Ip yang ada di cnnindonesia dan memiliki 14hop

Lookup failed: 203.190.245.30 No data

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

TraceRoute from Network-Tools.com to 203.190.245.30

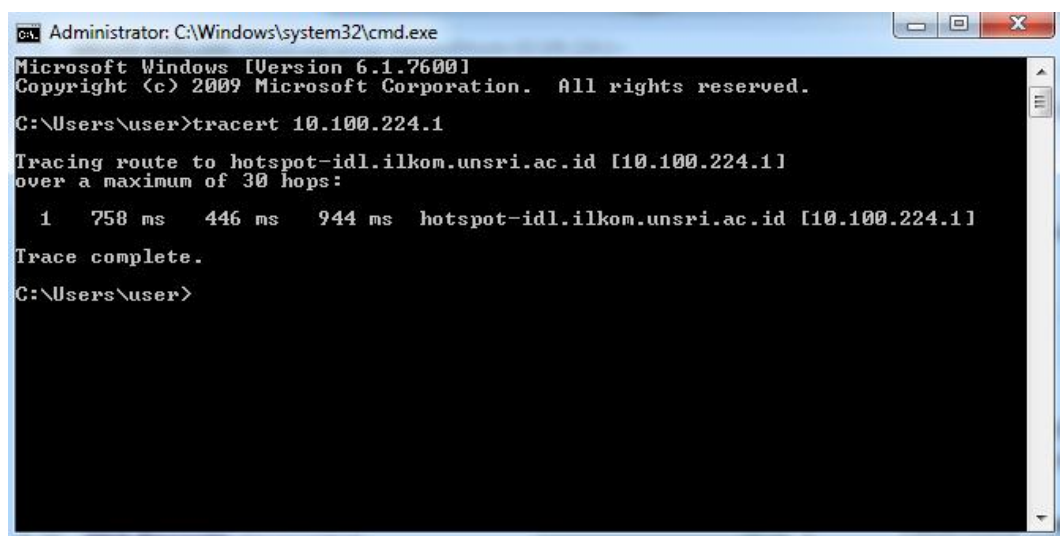
Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	1	0	0	206.123.64.221	-
2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	306	310	273	173.219.230.155	173-219-230-155.suddenlink.net
4	22	22	22	213.248.90.101	dls-bb1-link.telia.net
5	54	54	54	62.115.139.9	las-b21-link.telia.net
6	200	200	200	62.115.121.193	hnk-b2-link.telia.net
7	218	218	218	62.115.56.150	telin-ic-313116-hnk-b2.c.telia.net
8	230	223	217	180.240.190.81	-
9	220	215	215	180.240.190.26	-
10	247	244	216	180.240.193.234	-
11	237	237	240	36.66.29.146	-
12	234	237	236	203.190.244.37	-
13	237	237	234	203.190.244.37	-
14	237	237	237	203.190.245.30	-

Trace complete

Semua nomor Ip yang ada pada Gambar berlokasi di Indonesia. Dengan kecepatan tertinggi 10ms dan terlambat 50ms.

Analisis menggunakan command prompt (Cmd)

10.100.224.1 Ip hotspot fasilkom



```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\user>tracert 10.100.224.1

Tracing route to hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
over a maximum of 30 hops:

  1  758 ms  446 ms  944 ms  hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]

Trace complete.

C:\Users\user>
```

10.100.1.1 adalah Ip yang ada pada Hostpot fasilkom Unsri


```

C:\Users\user>tracert 10.100.1.1
Tracing route to 10.100.1.1 over a maximum of 30 hops
  1    7 ms    5 ms    12 ms  hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
  2    4 ms    24 ms   14 ms  29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.2]
  3   13 ms    5 ms    3 ms   10.100.1.1
Trace complete.

```

10.100.5.1 adalah ip yang ada pada Hostpot fasilkom unsri

```

C:\Users\user>tracert 10.100.5.1
Tracing route to 10.100.5.1 over a maximum of 30 hops
  1   38 ms   394 ms   11 ms  hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
  2   11 ms   10 ms   270 ms  29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.2]
  3   60 ms   22 ms   273 ms  10.100.1.1
  4  236 ms   70 ms   123 ms  10.100.5.1
Trace complete.
C:\Users\user>

```

Ip 103.241.5.113

```

Tracing route to host-103.241.5.113.unsri.ac.id [103.241.5.113]
over a maximum of 30 hops:
  1   333 ms   81 ms   385 ms  hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
  2   437 ms   499 ms   24 ms  29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.2]
  3  1420 ms   384 ms   64 ms  10.100.1.1
  4   12 ms   21 ms   59 ms  10.100.5.1
  5    *     90 ms   387 ms  host-103.241.5.113.unsri.ac.id [103.241.5.113]
Trace complete.
C:\Users\user>

```

Ip 103.241.5.173

```

Trace complete.
C:\Users\user>tracert 103.241.5.173
Tracing route to noc-id1.unsri.ac.id [103.241.5.173]
over a maximum of 30 hops:
  1   68 ms   303 ms   23 ms  hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
  2   50 ms   41 ms   10 ms  29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.2]
  3   38 ms   92 ms   10 ms  10.100.1.1
  4   53 ms   9 ms   14 ms  10.100.5.1
  5   11 ms   4 ms   28 ms  host-103.241.5.113.unsri.ac.id [103.241.5.113]
  6   25 ms   23 ms   32 ms  noc-id1.unsri.ac.id [103.241.5.173]
Trace complete.

```

Ip 103.241.5.241

```

C:\Users\user>tracert 103.241.5.241

Tracing route to ip-241-5.unsri.ac.id [103.241.5.241]
over a maximum of 30 hops:

  1      2 ms      1 ms      8 ms    hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
  2      2 ms      2 ms     12 ms    29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.2
9]
  3      2 ms      4 ms      2 ms    10.100.1.1
  4     17 ms     14 ms     21 ms    10.100.5.1
  5     22 ms     28 ms     25 ms    host-103.241.5.113.unsri.ac.id [103.241.5.113]
  6    112 ms      7 ms      8 ms    noc-id1.unsri.ac.id [103.241.5.173]
  7    141 ms     16 ms     17 ms    ip-241-5.unsri.ac.id [103.241.5.241]

Trace complete.

```

Ip 222.124.73.193

```

C:\Users\user>tracert 222.124.73.193

Tracing route to 193.subnet222-124-73.p2p.telkom.net.id [222.124.73.193]
over a maximum of 30 hops:

  1     12 ms      2 ms      7 ms    hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
  2     94 ms     11 ms     14 ms    29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.2
9]
  3    114 ms     21 ms     11 ms    10.100.1.1
  4    101 ms    123 ms     17 ms    10.100.5.1
  5     29 ms     27 ms     50 ms    host-103.241.5.113.unsri.ac.id [103.241.5.113]
  6     25 ms     39 ms     11 ms    noc-id1.unsri.ac.id [103.241.5.173]
  7      5 ms     79 ms     11 ms    ip-241-5.unsri.ac.id [103.241.5.241]
  8    426 ms    239 ms      *     193.subnet222-124-73.p2p.telkom.net.id [222.124.
73.193]
  9    748 ms   1031 ms     48 ms    193.subnet222-124-73.p2p.telkom.net.id [222.124.
73.193]

Trace complete.

```

Ip 118.98.51.110

```

C:\Users\user>tracert 118.98.51.110

Tracing route to 110.subnet118-98-51.astinet.telkom.net.id [118.98.51.110]
over a maximum of 30 hops:

  1      8 ms      4 ms     11 ms    hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
  2     12 ms    529 ms     62 ms    29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.2
9]
  3     12 ms     16 ms     12 ms    10.100.1.1
  4     21 ms    606 ms     13 ms    10.100.5.1
  5     45 ms     19 ms     54 ms    host-103.241.5.113.unsri.ac.id [103.241.5.113]
  6     14 ms     16 ms     12 ms    noc-id1.unsri.ac.id [103.241.5.173]
  7    516 ms    389 ms    400 ms    ip-241-5.unsri.ac.id [103.241.5.241]
  8      *      990 ms      *     193.subnet222-124-73.p2p.telkom.net.id [222.124.
73.193]
  9     87 ms    112 ms    250 ms    110.subnet118-98-51.astinet.telkom.net.id [118.9
8.51.110]

Trace complete.

```

Ip 118.98.51.109

```

C:\Users\user>tracert 118.98.51.109

Tracing route to 109.subnet118-98-51.astinet.telkom.net.id [118.98.51.109]
over a maximum of 30 hops:
  0  1  17 ms    12 ms    21 ms  hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
  1  2  28 ms    45 ms    25 ms  29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.29]
  2  3  13 ms    6 ms     7 ms  10.100.1.1
  3  4  6 ms     7 ms    16 ms  10.100.5.1
  4  5  55 ms   152 ms   15 ms  host-103.241.5.113.unsri.ac.id [103.241.5.113]
  5  6  18 ms    6 ms    26 ms  noc-id1.unsri.ac.id [103.241.5.173]
  6  7  65 ms   44 ms   1628 ms ip-241-5.unsri.ac.id [103.241.5.241]
  7  8  406 ms  215 ms  443 ms  193.subnet222-124-73.p2p.telkom.net.id [222.124.73.193]
  8  9  376 ms  414 ms  895 ms  110.subnet118-98-51.astinet.telkom.net.id [118.98.51.110]
  9 10  690 ms  310 ms  423 ms  109.subnet118-98-51.astinet.telkom.net.id [118.98.51.109]
 10 11
Trace complete.

```

Ip 103.28.74.136

```

Tracing route to detik-as24211.iix.net.id [103.28.74.136]
over a maximum of 30 hops:
  0  1  2 ms     6 ms     2 ms  hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
  1  2  4 ms     4 ms     5 ms  29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.29]
  2  3  4 ms     4 ms     9 ms  10.100.1.1
  3  4  2 ms     2 ms     4 ms  10.100.5.1
  4  5  6 ms    123 ms   25 ms  host-103.241.5.113.unsri.ac.id [103.241.5.113]
  5  6  11 ms    5 ms     6 ms  noc-id1.unsri.ac.id [103.241.5.173]
  6  7  239 ms  36 ms    16 ms  ip-241-5.unsri.ac.id [103.241.5.241]
  7  8  68 ms    6 ms     7 ms  193.subnet222-124-73.p2p.telkom.net.id [222.124.73.193]
  8  9  13 ms    16 ms    14 ms  61.94.171.78
  9 10  13 ms    13 ms    15 ms  61.94.171.77
 10 11  22 ms    13 ms    54 ms  detik-as24211.iix.net.id [103.28.74.136]
Trace complete.

```

Ip 03.190.244.37

```

C:\Users\user>tracert 03.190.244.37

Tracing route to n003-000-000-000.static.ge.com [3.190.244.37]
over a maximum of 30 hops:
  0  1  11 ms    10 ms    3 ms  hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
  1  2  5 ms     6 ms     1 ms  29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.29]
  2  3  8 ms     7 ms     7 ms  10.100.1.1
  3  4  3 ms     2 ms    13 ms  10.100.5.1
  4  5  5 ms     4 ms     2 ms  host-103.241.5.113.unsri.ac.id [103.241.5.113]
  5  6  5 ms     5 ms     3 ms  noc-id1.unsri.ac.id [103.241.5.173]
  6  7  ip-241-5.unsri.ac.id [103.241.5.241] reports: Destination net unreachable.
Trace complete.

```

Ip 203.190.245.30

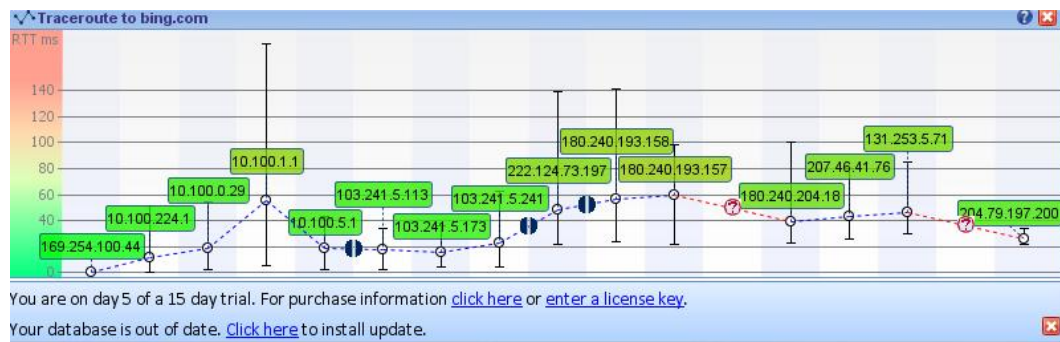
```

Tracing route to 203.190.245.30 over a maximum of 30 hops
  0  32 ms    7 ms    142 ms  hotspot-idl.ilkom.unsri.ac.id [10.100.224.1]
  1  6 ms     2 ms     9 ms   29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.29]
  2  192 ms   349 ms   *      10.100.1.1
  3  102 ms   18 ms    44 ms  10.100.5.1
  4  64 ms    5 ms    12 ms  103.241.5.113
  5  23 ms    12 ms   12 ms  noc-idl.unsri.ac.id [103.241.5.173]
  6  12 ms    8 ms    14 ms  ip-241-5.unsri.ac.id [103.241.5.241]
  7  268 ms   137 ms  168 ms 193.subnet222-124-73.p2p.telkom.net.id [222.124.73.193]
  8  1317 ms  69 ms   325 ms 110.subnet118-98-51.astinet.telkom.net.id [118.98.51.110]
  9  2836 ms 2783 ms *      109.subnet118-98-51.astinet.telkom.net.id [118.98.51.109]
 10  89 ms    206 ms  97 ms  detik-as24211.iix.net.id [103.28.74.136]
 11  541 ms   31 ms   91 ms  203.190.244.37
 12  45 ms    51 ms   29 ms  203.190.245.30
Trace complete.

```

Pada route yang menggunakan network-tools dan cmd hop yang keluar hanya 13 sedangkan pada software visual router 14 hop karena disana tidak menampilkan Ip yang ada pada komputer yang saya gunakan itulah sebabnya selisih satu hop dari ketiga tersebut. Waktu yang digunakan yaitu mulai dari 10ms sampai dengan 60ms.

2. Analisa website yang ada di USA dengan website www.bing.com website bing.com ini digunakan untuk serching sama seperti google.



(Gambar route pada software visual router)

TraceRoute from Network-Tools.com to 204.79.197.200 [any.edge.bing.com]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	1	0	0	206.123.64.233	-
2	Timed out	Timed out	Timed out		-
3	0	1	1	4.59.118.2	microsoft-c.ear1.dallas1.level3.net
4	1	1	1	104.44.81.154	-
5	Timed out	Timed out	Timed out		-
6	1	1	1	204.79.197.200	a-0001.a-msedge.net

Trace complete

(Gambar route pada network-tools)

```

Administrator: C:\Windows\system32\cmd.exe
Tracing route to any.edge.bing.com [204.79.197.200]
over a maximum of 30 hops:
  0  1  2  3  4  5  6  7  8  9 10 11 12 13 14 15 16
  1  8 ms 17 ms 60 ms hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
  2  51 ms 2 ms 2 ms 29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.29]
  3  4 ms 2 ms 8 ms 10.100.1.1
  4  6 ms 7 ms 20 ms 10.100.5.1
  5  6 ms 6 ms 13 ms host-103.241.5.113.unsri.ac.id [103.241.5.113]
  6  4 ms 3 ms 10 ms noc-id1.unsri.ac.id [103.241.5.173]
  7  11 ms 8 ms 4 ms ip-241-5.unsri.ac.id [103.241.5.241]
  8  29 ms 24 ms 34 ms 197.subnet222-124-73.p2p.telkom.net.id [222.124.73.197]
  9  27 ms 25 ms 46 ms 180.240.193.158
 10  80 ms 76 ms 204 ms 180.240.193.157
 11  * * * Request timed out.
 12  24 ms 22 ms 22 ms 180.240.204.18
 13  23 ms 23 ms 21 ms ae8-0.sin-96cbe-1a.ntwk.msn.net [207.46.41.76]
 14  42 ms 23 ms 24 ms tor1.sgi.msedge.net [131.253.5.71]
 15  * * * Request timed out.
 16  24 ms 24 ms 46 ms a-0001.a-msedge.net [204.79.197.200]

Trace complete.
C:\Users\user>

```

(Gambar route pada cmd)

Analisa pada network-tools

Ip 169.254.100.44 adalah Ip yang ada pada komputer yang saya gunakan.

Ip 10.100.224.1 , 10.100.029 , 10.100.1.1 , 10.100.5.1 adalah Ip yang ada pada ruang lingkup Fakultas Ilmu Komputer Unsri .

Ip 103.241.5.113 berlokasi di Indonesia dengan Registered Domain: unsri.ac.id dan memiliki 17 hop

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	1	0	0	206.123.64.233	-
2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	172	173	167	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	34	34	34	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	35	34	35	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	298	207	207	38.104.83.210	-
12	220	218	236	180.240.192.73	-
13	209	225	208	180.240.193.234	-
14	211	228	228	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
15	228	244	228	222.124.73.198	198.subnet222-124-73.p2p.telkom.net.id
16	229	245	227	103.241.5.244	r2-idl.unsri.ac.id
17	247	246	230	103.241.5.113	host-103.241.5.113.unsri.ac.id

Trace complete

103.241.5.173 berlokasi di Indonesia dengan Registered Domain: unsri.ac.id dan memiliki 12 hop

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

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	1	0	0	206.123.64.233	-
2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	231	255	278	173.219.230.155	173-219-230-155.suddenlink.net
4	22	22	22	213.248.90.101	dls-bb1-link.telia.net
5	54	53	54	80.91.254.169	las-b21-link.telia.net
6	207	200	200	62.115.121.193	hnk-b2-link.telia.net
7	Timed out	Timed out	Timed out		-
8	230	217	223	180.240.190.113	-
9	218	218	222	180.240.193.234	-
10	223	218	218	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
11	234	237	218	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
12	237	235	235	103.241.5.173	noc-idl.unsri.ac.id

Trace complete

103.241.5.241 berlokasi di Indonesia dengan Registered Domain: unsri.ac.id dan memiliki 15 hop

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	1	0	0	206.123.64.233	-
2	1	1	1	173.219.246.92	173-219-246-92.suddenlink.net
3	60	57	49	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	154.54.47.213	be2764.ccr22.dfw01.atlas.cogentco.com
6	6	6	6	154.54.44.229	be2443.ccr22.iah01.atlas.cogentco.com
7	34	35	34	154.54.30.162	be2928.ccr21.elp01.atlas.cogentco.com
8	34	35	35	154.54.42.77	be2930.ccr22.phx02.atlas.cogentco.com
9	34	34	34	154.54.45.162	be2932.ccr22.lax01.atlas.cogentco.com
10	38	38	37	154.54.45.2	be2965.ccr41.lax04.atlas.cogentco.com
11	207	208	208	38.104.83.210	-
12	235	220	235	180.240.192.73	-
13	227	208	209	180.240.193.234	-
14	214	212	210	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
15	228	246	230	103.241.5.241	ip-241-5.unsri.ac.id

Trace complete

222.124.73.197 berlokasi di Indonesia dengan Registered Domain : telkom.net.id dan memiliki 12hop

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	1	0	0	206.123.64.221	-
2	1	1	1	4.15.32.133	lag-127.ear1.dallas1.level3.net
3	32	32	32	4.69.144.202	ae-4-90.edge1.losangeles9.level3.net
4	32	32	32	4.69.144.202	ae-4-90.edge1.losangeles9.level3.net
5	40	32	32	4.53.228.154	pt.telekomu.edge1.losangeles9.level3.net
6	210	209	215	180.240.192.37	-
7	219	219	219	61.94.117.129	-
8	227	227	228	118.98.2.90	-
9	Timed out	Timed out	Timed out		-
10	Timed out	Timed out	Timed out		-
11	231	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

180.240.193.158 adalah Ip yang berada di negara Singapura dan memiliki 11hop

Lookup failed: 180.240.193.158 No data

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

TraceRoute from Network-Tools.com to 180.240.193.158

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	1	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	45	39	39	129.250.4.154	ae-8.r23.snjsca04.us.bb.gin.ntt.net
5	37	38	37	129.250.2.182	ae-0.r22.snjsca04.us.bb.gin.ntt.net
6	216	212	212	129.250.3.49	ae-2.r20.sngpsi05.sg.bb.gin.ntt.net
7	219	219	219	129.250.3.147	ae-2.r00.sngpsi02.sg.bb.gin.ntt.net
8	223	223	223	116.51.17.226	xe-0-1-0-4.r00.sngpsi02.sg.ce.gin.ntt.net
9	214	213	213	180.240.204.54	-
10	212	212	252	180.240.204.54	-
11	209	209	209	180.240.193.158	-

Trace complete

180.240.193.157 adalah Ip yang berada di negara Singapura dan memiliki 9hop

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	1	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	37	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	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

180.240.204.18 adalah Ip yang berada di negara Singapura dan memiliki 9hop

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	1	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	37	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	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

207.46.41.76 adalah Ip yang berada di negara Singapura dan memiliki 10hop

Lookup failed: 180.240.204.18 No data

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

TraceRoute from Network-Tools.com to 180.240.204.18

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	1	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	41	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	213	215	227	129.250.3.49	ae-2.r20.sngpsi05.sg.bb.gin.ntt.net
7	220	220	220	129.250.3.147	ae-2.r00.sngpsi02.sg.bb.gin.ntt.net
8	224	278	224	116.51.17.226	xe-0-1-0-4.r00.sngpsi02.sg.ce.gin.ntt.net
9	212	208	210	180.240.204.42	-
10	214	214	214	180.240.204.18	-

Trace complete

131.253.5.71 adalah alamat Ip yang ada di negara Amerika dan memiliki 14hop

131.253.5.71 is from United States (US) in region North America

Input: 131.253.5.71

canonical name: tor1.sg1.msedge.net

Registered Domain: msedge.net

TraceRoute from Network-Tools.com to 131.253.5.71 [tor1.sg1.msedge.net]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	1	0	0	206.123.64.221	-
2	Timed out	Timed out	Timed out		-
3	Timed out	Timed out	Timed out		-
4	1	0	0	198.200.130.13	ae13-0.dal-96cbe-1b.ntwk.msn.net
5	210	211	212	104.44.8.130	be-72-0.ibr02.dfw05.ntwk.msn.net
6	209	211	211	104.44.4.88	be-3-0.ibr02.sn4.ntwk.msn.net
7	210	210	211	104.44.4.205	be-1-0.ibr01.sn4.ntwk.msn.net
8	211	210	211	104.44.4.4	be-3-0.ibr02.lax03.ntwk.msn.net
9	31	31	34	104.44.8.111	ae72-0.lax-96cbe-1b.ntwk.msn.net
10	132	144	129	198.206.164.135	ae26-0.tya-96cbe-1a.ntwk.msn.net
11	129	128	129	104.44.224.51	ae11-0.tya-96cbe-1b.ntwk.msn.net
12	208	208	208	207.46.38.252	ae4-0.sin-96cbe-1a.ntwk.msn.net
13	209	209	209	104.44.225.255	ae9-0.sin-96cbe-1b.ntwk.msn.net
14	208	209	209	131.253.5.71	tor1.sg1.msedge.net

Trace complete

204.79.197.200 adalah alamat Ip yang ada di negara Amerika dan memiliki 7hop

204.79.197.200 is from United States (US) in region North America

Input: 204.79.197.200

canonical name: a-0001.a-msedge.net

Registered Domain: a-msedge.net

TraceRoute from Network-Tools.com to 204.79.197.200 [a-0001.a-msedge.net]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	1	0	0	206.123.64.233	-
2	1	1	1	4.15.32.133	lag-127.ear1.dallas1.level3.net
3	Timed out	Timed out	Timed out		-
4	0	1	0	198.200.130.13	ae13-0.dal-96cbe-1b.ntwk.msn.net
5	2	1	1	104.44.81.153	-
6	Timed out	Timed out	Timed out		-
7	1	1	1	204.79.197.200	a-0001.a-msedge.net

Trace complete

Analisa menggunakan command prompt (cmd)

Ip 169.254.100.44 adalah Ip yang ada pada laptop yang saya gunakan dan Ip 10.100.224.1 , 10.100.029 , 10.100.1.1 , 10.100.5.1 , 103.241.5.113 , 103.241.5.173 , 103.241.5.241 adalah hasil dari hotsopt fasilkom dan unsri dan hasil analisisnya sama dengan yang diatas.

Ip 222.124.73.197

```
C:\Users\user>tracert 222.124.73.197

Tracing route to 197.subnet222-124-73.p2p.telkom.net.id [222.124.73.197]
over a maximum of 30 hops:

  1    4 ms    4 ms    6 ms    hotspot-idl.ilkom.unsri.ac.id [10.100.224.1]
  2    4 ms    2 ms    2 ms    29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.29]
  3    8 ms    4 ms    2 ms    10.100.1.1
  4    8 ms    3 ms    3 ms    10.100.5.1
  5   11 ms    6 ms    6 ms    host-103.241.5.113.unsri.ac.id [103.241.5.113]
  6   26 ms   12 ms    4 ms    noc-idl.unsri.ac.id [103.241.5.173]
  7    *      *      *      Request timed out.
  8    *      37 ms   24 ms   197.subnet222-124-73.p2p.telkom.net.id [222.124.73.197]

Trace complete.
```

Ip 180.240.193158

```
Tracing route to 180.240.193.158 over a maximum of 30 hops

  1    3 ms    5 ms    1 ms    hotspot-idl.ilkom.unsri.ac.id [10.100.224.1]
  2    2 ms    6 ms   10 ms    29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.29]
  3    9 ms    6 ms    4 ms    10.100.1.1
  4   12 ms   67 ms    7 ms    10.100.5.1
  5    9 ms   54 ms   26 ms    host-103.241.5.113.unsri.ac.id [103.241.5.113]
  6   20 ms   16 ms    7 ms    noc-idl.unsri.ac.id [103.241.5.173]
  7    *      12 ms    9 ms    ip-241-5.unsri.ac.id [103.241.5.241]
  8   28 ms    *      *      197.subnet222-124-73.p2p.telkom.net.id [222.124.73.197]
  9  162 ms   72 ms   26 ms    180.240.193.234
 10    *      38 ms   75 ms    180.240.193.233
 11   44 ms    *      38 ms    180.240.190.25
 12   24 ms   34 ms    *      180.240.193.158
 13   24 ms   72 ms   28 ms    180.240.193.158

Trace complete.
```

Ip 180.240.193.157

```
C:\Users\user>tracert 180.240.193.157

Tracing route to 180.240.193.157 over a maximum of 30 hops

  1   10 ms    1 ms    7 ms    hotspot-idl.ilkom.unsri.ac.id [10.100.224.1]
  2    8 ms   17 ms    3 ms    29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.29]
  3    9 ms   41 ms   23 ms    10.100.1.1
  4    6 ms   29 ms   50 ms    10.100.5.1
  5    *      *      *      Request timed out.
  6    8 ms    *      22 ms    noc-idl.unsri.ac.id [103.241.5.173]
  7   56 ms   52 ms    *      ip-241-5.unsri.ac.id [103.241.5.241]
  8    *      *      *      Request timed out.
  9  3945 ms   26 ms   29 ms    180.240.193.234
 10   37 ms    *      61 ms    180.240.193.233
 11   25 ms    *      32 ms    180.240.193.157

Trace complete.
```

Ip 180.240.204.18

Ip 207.46.41.76

```
C:\Users\user>tracert 207.46.41.76
Tracing route to ae8-0.sin-96cbe-1a.ntwk.msn.net [207.46.41.76]
over a maximum of 30 hops:
  0  1      41 ms      3 ms      6 ms      hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
    2      6 ms      4 ms      2 ms      29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.2
9]
    3      77 ms     47 ms     20 ms     10.100.1.1
    4      7 ms      7 ms     29 ms     10.100.5.1
    5      30 ms     *        4 ms     host-103.241.5.113.unsri.ac.id [103.241.5.113]
    6      36 ms     39 ms    11 ms     noc-id1.unsri.ac.id [103.241.5.173]
    7      *        10 ms     6 ms     ip-241-5.unsri.ac.id [103.241.5.241]
    8      27 ms     31 ms     *        197.subnet222-124-73.p2p.telkom.net.id [222.124.
73.197]
    9      27 ms     22 ms     23 ms     180.240.193.158
   10      35 ms     29 ms     *        180.240.193.157
   11      27 ms     31 ms     36 ms     180.240.204.65
   12      24 ms     25 ms     23 ms     180.240.204.62
   13      *        *        *        Request timed out.
   14      *        *        *        Request timed out.
   15      *        *        *        Request timed out.
```

Ip 131.253.5.71

```
Tracing route to tor1.sg1.msedge.net [131.253.5.71]
over a maximum of 30 hops:
  0  1      2 ms      3 ms      1 ms      hotspot-id1.ilkom.unsri.ac.id [10.100.224.1]
    2      8 ms      1 ms     25 ms     29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.2
9]
    3      11 ms     2 ms      3 ms     10.100.1.1
    4      3 ms      3 ms      3 ms     10.100.5.1
    5      *        *        6 ms     host-103.241.5.113.unsri.ac.id [103.241.5.113]
    6      *        *        17 ms     noc-id1.unsri.ac.id [103.241.5.173]
    7      *        *        *        Request timed out.
    8      *        33 ms     40 ms     197.subnet222-124-73.p2p.telkom.net.id [222.124.
73.197]
    9      54 ms     32 ms     31 ms     180.240.193.158
   10      56 ms     39 ms     23 ms     180.240.193.157
   11      *        34 ms     24 ms     180.240.204.2
   12      27 ms     27 ms     25 ms     180.240.204.2
   13      *        24 ms     25 ms     ae8-0.sin-96cbe-1a.ntwk.msn.net [207.46.41.76]
   14      36 ms     34 ms     *        tor1.sg1.msedge.net [131.253.5.71]
   15      *        36 ms     *        tor1.sg1.msedge.net [131.253.5.71]
   16      30 ms     29 ms     28 ms     tor1.sg1.msedge.net [131.253.5.71]

Trace complete.
```

Ip 204.79.197.200

over a maximum of 30 hops:

```
  1    5 ms    2 ms    3 ms    hotspot-idl.ilkom.unsri.ac.id [10.100.224.1]
  2    4 ms    2 ms    3 ms    29.subnet-10-100-0.ilkom.unsri.ac.id [10.100.0.2
91]
  3    2 ms    2 ms    11 ms   10.100.1.1
  4    *      107 ms   1 ms    10.100.5.1
  5    9 ms    4 ms    3 ms    host-103.241.5.113.unsri.ac.id [103.241.5.113]
  6    3 ms    2 ms    5 ms    noc-idl.unsri.ac.id [103.241.5.173]
  7    *      7 ms    4 ms    ip-241-5.unsri.ac.id [103.241.5.241]
  8    *      32 ms   26 ms   197.subnet222-124-73.p2p.telkom.net.id [222.124.
73.197]
  9    23 ms   22 ms   *       180.240.193.158
 10   37 ms   44 ms  111 ms  180.240.193.157
 11   *      *      *       Request timed out.
 12  320 ms  21 ms  42 ms  180.240.204.18
 13  100 ms  41 ms  *       ae8-0.sin-96cbe-1a.ntwk.msn.net [207.46.41.76]
 14   53 ms  192 ms *       tor1.sg1.msedge.net [131.253.5.71]
 15   *      *      *       Request timed out.
 16   66 ms  *      *       a-0001.a-msedge.net [204.79.197.200]
 17   *      30 ms  *       a-0001.a-msedge.net [204.79.197.200]
 18   45 ms  27 ms  24 ms  a-0001.a-msedge.net [204.79.197.200]
```

Trace complete.