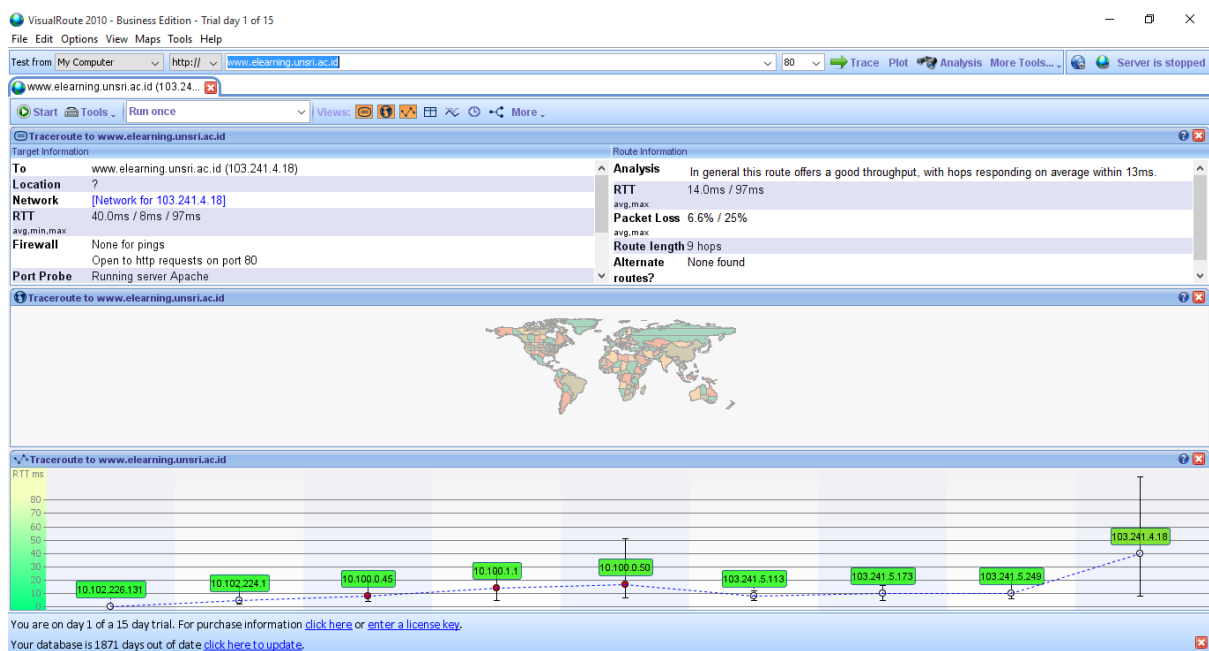


Nama : Risma Damayanti
Nim : 09031181520114
Kelas : SIReg4B
MK : Komunikasi Data dan Jaringan Komputer

Analisis IP Address

1. Server Indonesia (Elearning.unsri.ac.id)



Dari data pada visual route diatas didapatkan panjang route pada elearning.unsri.ac.id sebanyak 9 hops. Dimana 10.102.226.131 merupakan ip local yang digunakan pada perangkat saya

```

Tracing route to elearning.unsri.ac.id [103.241.4.18]
over a maximum of 30 hops:

  0  1 ms    15 ms   11 ms  10.102.224.1
  1  8 ms    14 ms    7 ms  10.100.0.45
  2  7 ms    3 ms    4 ms  10.100.1.1
  3  8 ms    15 ms   11 ms  10.100.0.50
  4  12 ms   12 ms    6 ms  ip-103-241-5-113.unsri.ac.id [103.241.5.113]
  5  14 ms    7 ms    5 ms  noc-idl.unsri.ac.id [103.241.5.173]
  6  26 ms    4 ms    4 ms  ip-103-241-5-249.unsri.ac.id [103.241.5.249]
  7  14 ms   16 ms    9 ms  elearning.unsri.ac.id [103.241.4.18]

Trace complete.

```

Pada hops ke

- 1) Melalui ip 10.102.224.1 : ip dengan awalan 10 merupakan ip local
- 2) Melalui ip 10.100.0.45
- 3) Melalui ip 10.100.1.1
- 4) Melalui ip 10.100.0.50
- 5) Melalui ip 103.241.5.113 : sudah mulai masuk ke ip public,

103.241.5.113 is from Indonesia (ID) in region Southern and Eastern Asia
Input: 103.241.5.113
canonical name: ip-103-241-5-113.unsri.ac.id
Registered Domain: unsri.ac.id

TraceRoute from Network-Tools.com to 103.241.5.113 [ip-103-241-5-113.unsri.ac.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.233	-
2	9	0	0	4.15.32.133	lag-127.ear1.dallas1.level3.net
3	Timed out	Timed out	Timed out		-
4	220	210	210	4.79.136.62	fiberail-sd.ear3.losangeles1.level3.net
5	Timed out	Timed out	Timed out		-
6	199	215	202	180.240.204.82	-
7	225	207	207	180.240.193.78	-
8	203	201	201	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
9	213	213	213	222.124.73.198	198.subnet222-124-73.p2p.telkom.net.id
10	211	211	211	103.241.5.250	r5-idl.unsri.ac.id
11	211	211	211	103.241.5.113	ip-103-241-5-113.unsri.ac.id

Trace complete

Retrieving DNS records for ip-103-241-5-113.unsri.ac.id...

Attempt to get a DNS server for ip-103-241-5-113.unsri.ac.id failed: ip-103-241-5-113.unsri.ac.id does not exist in the DNSWhois query for unsri.ac.id...


Results returned from whois.pandi.or.id:

Domain ID:PANDI-DO228145

Domain Name:UNSRIAC.ID

Created On:01-Sep-1999 13:32:27 UTC

Last Updated On:29-Oct-2016 13:57:03 UTC

Address type	IPv4 ?
Hostname	ip-103-241-5-113.unsri.ac.id
ISP	Idnic-unsri
Organization	Universitas Sriwijaya
Timezone	Asia/Jakarta (UTC+7)
Local time	
Country	Indonesia 
State / Region	South Sumatra
District / County	Kabupaten Ogan Ilir
City	Indralaya
Coordinates	-3.2496, 104.682

6) Melalui ip 103.241.5.173

IP address 103.241.5.173

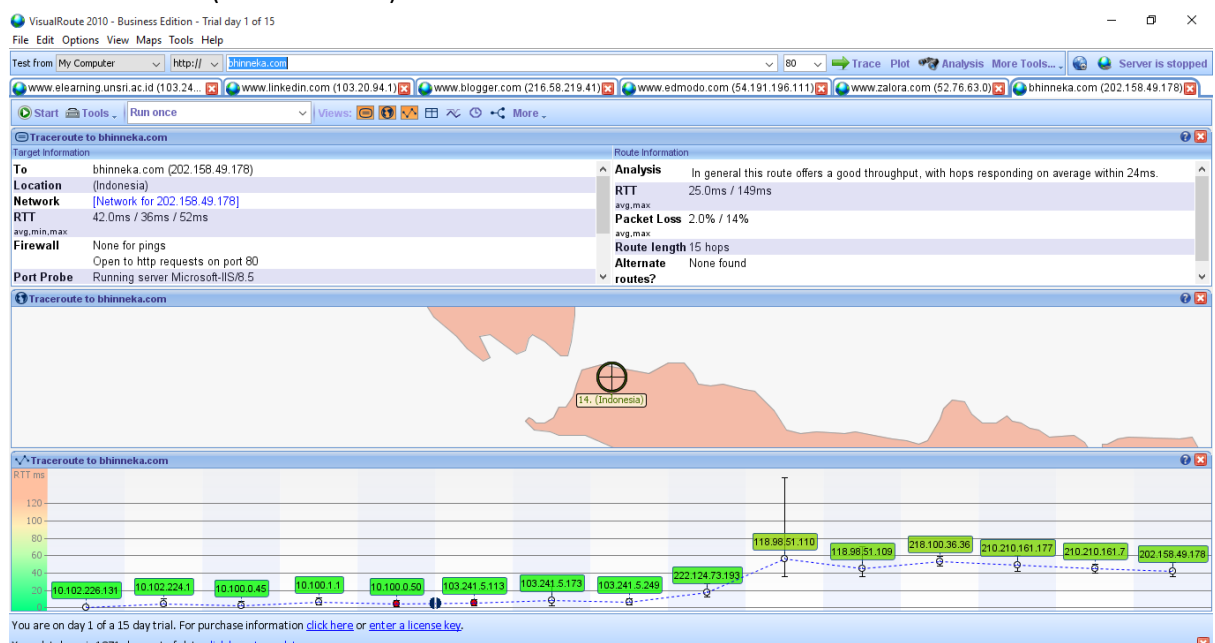
103.241.5.173 or noc-idl.unsri.ac.id is an IPv4 address owned by Idnic-unsri and located in Indralaya, Indonesia

Merupakan alamat IPv4 yang dimiliki oleh idnic-unsri dan berlokasi di indralaya, Indonesia

7) Melalui ip 103.241.5.249

8) Melalui ip 103.241.4.18: merupakan destination (elearning.unsri.ac.id)

2. Server Indonesia (bhinneka.com)



Dari data pada visual route diatas didapatkan panjang route pada elearning.unsri.ac.id sebanyak 15 hops. Dimana 10.102.226.131 merupakan ip local yang digunakan pada perangkat saya

```
C:\Users\Acer>tracert bhinneka.com

Tracing route to bhinneka.com [202.158.49.178]
over a maximum of 30 hops:

  0  4 ms   5 ms   1 ms  10.102.224.1
  1  22 ms   6 ms   8 ms  10.100.0.45
  2  7 ms    4 ms   3 ms  10.100.1.1
  3  8 ms   16 ms   5 ms  10.100.0.50
  4  9 ms    5 ms   6 ms  ip-103-241-5-113.unsri.ac.id [103.241.5.113]
  5  9 ms    5 ms   7 ms  noc-id1.unsri.ac.id [103.241.5.173]
  6  8 ms   11 ms  12 ms  ip-103-241-5-249.unsri.ac.id [103.241.5.249]
  7  39 ms  25 ms  18 ms  193.subnet222-124-73.p2p.telkom.net.id [222.124.73.193]
  8  *      40 ms  36 ms  110.subnet118-98-51.astinet.telkom.net.id [118.98.51.110]
  9  40 ms  49 ms  39 ms  109.subnet118-98-51.astinet.telkom.net.id [118.98.51.109]
 10  45 ms  71 ms  49 ms  cbn.openixp.net [218.100.36.36]
 11  83 ms  56 ms  43 ms  210.210.161.177.cbn.net.id [210.210.161.177]
 12  42 ms  47 ms  53 ms  210.210.161.7.cbn.net.id [210.210.161.7]
 13  43 ms  *      51 ms  ip49-178.cbn.net.id [202.158.49.178]

Trace complete.

C:\Users\Acer>
```

Pada hops ke:

- 1) Melalui ip 10.102.224.1: ip dengan awalan 10 merupakan ip local

IP address 10.102.226.131

10.102.226.131 is an IPv4 address owned by Private network and located in , No unique location

- 2) Melalui ip 10.100.0.45
- 3) Melalui ip 10.100.1.1
- 4) Melalui ip 10.100.0.50
- 5) Melalui ip 103.241.5.113: sudah mulai masuk ke ip public,

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

Input: 103.241.5.113

canonical name: ip-103-241-5-113.unsri.ac.id

Registered Domain: unsri.ac.id

TraceRoute from Network-Tools.com to 103.241.5.113 [ip-103-241-5-113.unsri.ac.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.233	-
2	9	0	0	4.15.32.133	lag-127.ear1.dallas1.level3.net
3	Timed out	Timed out	Timed out		-
4	220	210	210	4.79.136.62	fiberail-sd.ear3.losangeles1.level3.net
5	Timed out	Timed out	Timed out		-
6	199	215	202	180.240.204.82	-
7	225	207	207	180.240.193.78	-
8	203	201	201	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
9	213	213	213	222.124.73.198	198.subnet222-124-73.p2p.telkom.net.id
10	211	211	211	103.241.5.250	r5-idl.unsri.ac.id
11	211	211	211	103.241.5.113	ip-103-241-5-113.unsri.ac.id

Trace complete

Retrieving DNS records for **ip-103-241-5-113.unsri.ac.id...**

Attempt to get a DNS server for **ip-103-241-5-113.unsri.ac.id** failed: **ip-103-241-5-113.unsri.ac.id** does not exist in the DNSWhois query for **unsri.ac.id...**



Results returned from **whois.pandi.or.id**:

Domain ID:PANDI-DO228145

Domain Name:UNSRI.AC.ID

Created On:01-Sep-1999 13:32:27 UTC


Last Updated On:29-Oct-2016 13:57:03 UTC

Address type	IPv4 
Hostname	ip-103-241-5-113.unsri.ac.id
ISP	Idnic-unsri
Organization	Universitas Sriwijaya
Timezone	Asia/Jakarta (UTC+7)
Local time	
Country	Indonesia 
State / Region	South Sumatra
District / County	Kabupaten Ogan Ilir
City	Indralaya
Coordinates	-3.2496, 104.682


- 6) Melalui ip 103.241.5.173
- 7) Melalui ip 103.241.5.249
- 8) Melalui ip 222.124.73.193: masuk ke jaringan PT. Telkom Indonesia

Address type	IPv4 ?
Hostname	193.subnet222-124-73.p2p.telkom.net.id
ISP	Pt. Telkom Indonesia
Timezone	Asia/Jakarta (UTC+7)
Local time	14:18:29
Country	Indonesia 
State / Region	Jakarta
City	Jakarta
Coordinates	-6.20876, 106.846

- 9) Melalui ip 118.98.51.110 (PT.Telkom Indonesia)
- 10) Melalui ip 118.95.51.109 (PT.Telkom Indonesia)
- 11) Melalui ip 218.100.36.36


Address type	IPv4 ?
Hostname	cbn.openixp.net
ISP	openixp-reloaded
Timezone	Asia/Pontianak (UTC+7)
Local time	14:40:36
Country	Indonesia 
State / Region	Special Capital Region of Jakarta
District / County	Central Jakarta City
City	Central Jakarta
Coordinates	-6.18649, 106.834

12) Melalui ip 210.210.161.177

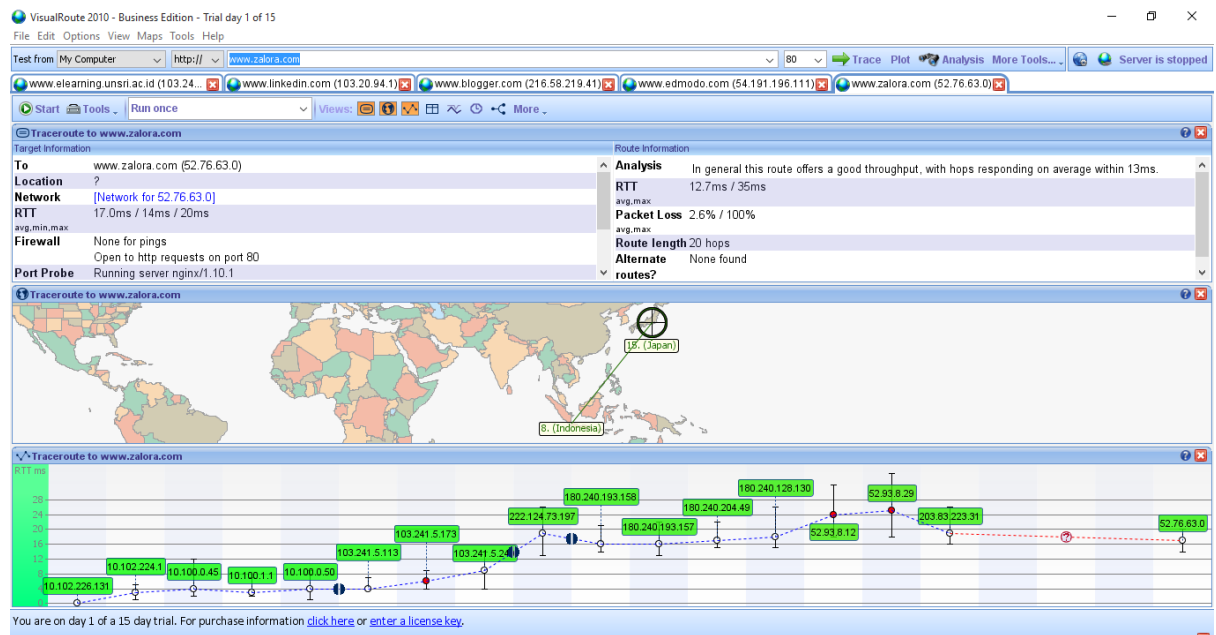
Address type	IPv4 ?
Hostname	210.210.161.177.cbn.net.id
ISP	PT. Cyberindo Aditama
Timezone	Asia/Jakarta (UTC+7)
Local time	14:41:24
Country	Indonesia 
State / Region	Jakarta
District / County	Kota Jakarta Selatan
City	Rw 01
Coordinates	-6.25049, 106.843

13) Melalui ip 210.210.161.7

14) Melalui ip 202.158.49.178: Destination (server berada di cirebon)

Address type	IPv4 ?
Hostname	ip49-178.cbn.net.id
ISP	Cbn-jktserial-netblock
Timezone	Asia/Jakarta (UTC+7)
Local time	14:42:16
Country	Indonesia 
State / Region	West Java
District / County	Kecamatan Cirebon Barat
City	Cirebon
Coordinates	-6.73725, 108.551

3. Server Luar Negeri (zalora.com)



Dari data pada visual route diatas didapatkan panjang route pada elearning.unsri.ac.id sebanyak 20 hops. Dimana 10.102.226.131 merupakan ip local yang digunakan pada perangkat saya

```
C:\Users\Acer>tracert zalora.com

Tracing route to zalora.com [52.76.63.0]
over a maximum of 30 hops:

  0  18 ms  4 ms  12 ms  10.102.224.1
  1  3 ms  6 ms  8 ms  10.100.0.45
  2  7 ms  9 ms  3 ms  10.100.1.1
  3  12 ms  11 ms  5 ms  10.100.0.50
  4  4 ms  9 ms  13 ms  ip-103-241-5-113.unsri.ac.id [103.241.5.113]
  5  6 ms  11 ms  5 ms  noc-id1.unsri.ac.id [103.241.5.173]
  6  4 ms  8 ms  5 ms  ip-103-241-5-249.unsri.ac.id [103.241.5.249]
  7  38 ms  46 ms  84 ms  197.subnet222-124-73.p2p.telkom.net.id [222.124.73.197]
  8  36 ms  *  28 ms  180.240.193.158
  9  15 ms  17 ms  15 ms  180.240.193.157
 10  18 ms  28 ms  33 ms  180.240.204.49
 11  28 ms  38 ms  95 ms  130.128-240-180.static.telin.sg [180.240.128.130]
 12  22 ms  19 ms  21 ms  52.93.8.12
 13  20 ms  42 ms  16 ms  52.93.8.29
 14  169 ms  70 ms  137 ms  203.83.223.31
 15  *  *  *  Request timed out.
 16  *  *  *  Request timed out.
 17  *  *  *  Request timed out.
 18  110 ms  101 ms  102 ms  ec2-52-76-63-0.ap-southeast-1.compute.amazonaws.com [52.76.63.0]
 19

Trace complete.

C:\Users\Acer>
```

Pada hops ke:

- 1) Melalui ip 10.102.226.131: Ip awalan 10 merupakan private network

IP address 10.102.226.131

10.102.226.131 is an IPv4 address owned by Private network and located in , No unique location

- 2) Melalui ip 10.102.224.1

- 3) Melalui ip 10.100.0.45
- 4) Melalui ip 10.100.1.1
- 5) Melalui ip 10.100.0.50
- 6) Melalui ip 103.241.5.113: Mulai masuk ke jaringan ip public unsri.ac.id

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

Input: 103.241.5.113

canonical name: ip-103-241-5-113.unsri.ac.id

Registered Domain: unsri.ac.id

TraceRoute from Network-Tools.com to 103.241.5.113 [ip-103-241-5-113.unsri.ac.id]

Hop	(ms)	(ms)	(ms)	IP Address	Host name
1	0	0	0	206.123.64.233	-
2	9	0	0	4.15.32.133	lag-127.ear1.dallas1.level3.net
3	Timed out	Timed out	Timed out		-
4	220	210	210	4.79.136.62	fiberail-sd.ear3.losangeles1.level3.net
5	Timed out	Timed out	Timed out		-
6	199	215	202	180.240.204.82	-
7	225	207	207	180.240.193.78	-
8	203	201	201	222.124.73.197	197.subnet222-124-73.p2p.telkom.net.id
9	213	213	213	222.124.73.198	198.subnet222-124-73.p2p.telkom.net.id
10	211	211	211	103.241.5.250	r5-idl.unsri.ac.id
11	211	211	211	103.241.5.113	ip-103-241-5-113.unsri.ac.id

Trace complete

Retrieving DNS records for **ip-103-241-5-113.unsri.ac.id**...

Attempt to get a DNS server for **ip-103-241-5-113.unsri.ac.id** failed: **ip-103-241-5-113.unsri.ac.id** does not exist in the DNSWhois query for **unsri.ac.id**...

Results returned from **whois.pandi.or.id**:

Domain ID:PANDI-DO228145

Domain Name:UNSRI.AC.ID

Created On:01-Sep-1999 13:32:27 UTC

Last Updated On:29-Oct-2016 13:57:03 UTC

- 7) Melalui ip 103.241.5.173
- 8) Melalui ip 103.241.5.249
- 9) Melalui ip 222.124.73.197: mulai masuk ke ip public milik PT.Telkom Indonesia

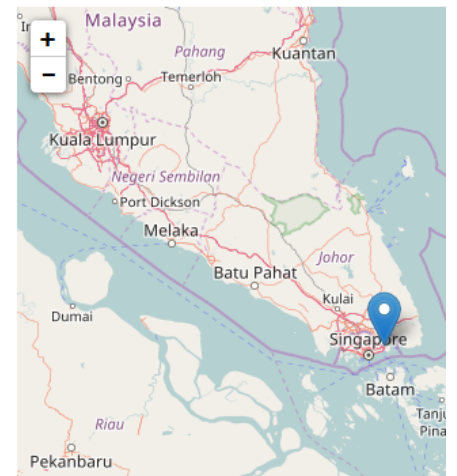
Address type	IPv4 ?
Hostname	193.subnet222-124-73.p2p.telkom.net.id
ISP	Pt. Telkom Indonesia
Timezone	Asia/Jakarta (UTC+7)
Local time	14:18:29
Country	Indonesia 
State / Region	Jakarta
City	Jakarta
Coordinates	-6.20876, 106.846

10) Melalui ip 180.240.193.158

IP address 180.240.193.158

180.240.193.158 is an IPv4 address owned by Telin and located in Singapore (Somapah Changi), Singapore

Address type	IPv4 ?
ISP	Telin
Timezone	Asia/Singapore (UTC+8)
Local time	15:52:17
Country	Singapore 
State / Region	Central Singapore
City	Singapore (Somapah Changi)



11) Melalui ip 180.240.193.157



12) Melalui ip 180.240.204.49

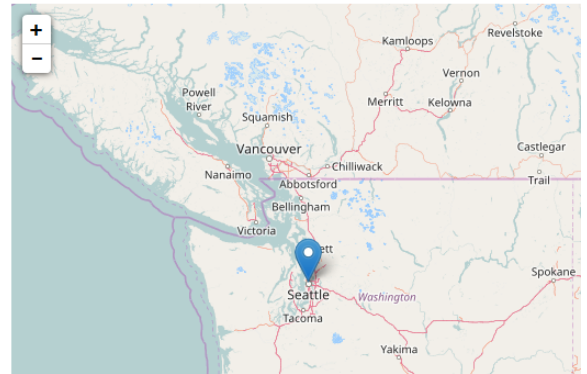
13) Melalui ip 180.240.204.130

14) Melalui ip 52.93.8.12:

IP address 52.93.8.12

52.93.8.12 is an IPv4 address owned by Amazon Technologies Inc. and located in Seattle (South Lake Union), United States

Address type	IPv4 
ISP	Amazon Technologies Inc.
Timezone	America/Los_Angeles (UTC-8)
Local time	23:55:37
Country	United States 
State / Region	Washington
District / County	King County





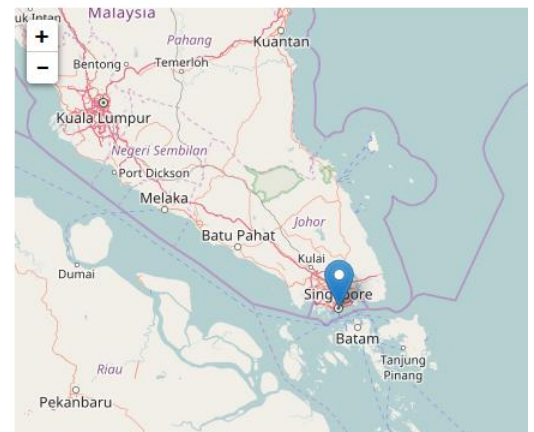
15) Melalui ip 52.93.8.29

16) Melalui ip 203.83.222.31

IP address 203.83.222.31

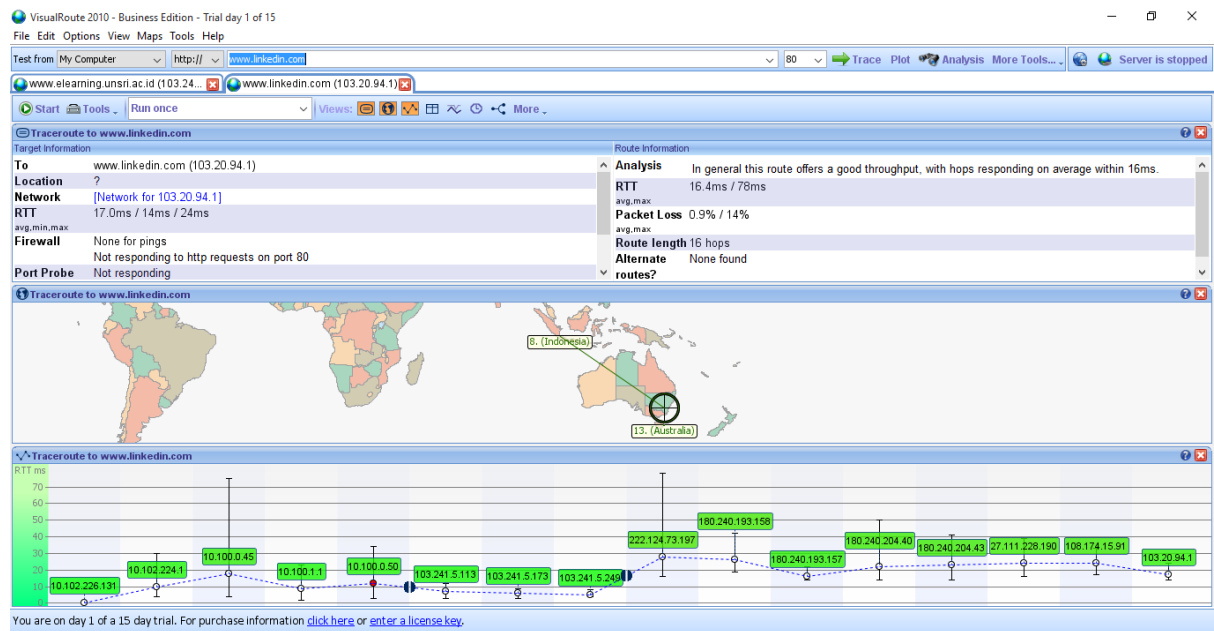
203.83.222.31 is an IPv4 address owned by Amazon and located in Singapore, Singapore

Address type	IPv4 
ISP	Amazon
Timezone	Asia/Singapore (UTC+8)
Local time	15:56:40
Country	Singapore 
State / Region	Central Singapore
City	Singapore



17) Melalui ip 52.76.63.0: Destination (zalora.com)

4. Server Luar Negeri (Linkedin.com)



Dari data pada visual route diatas didapatkan panjang route pada elearning.unsri.ac.id sebanyak 16 hops. Dimana 10.102.226.131 merupakan ip local yang digunakan pada perangkat saya

```

C:\Users\Acer>tracert linkedin.com

Tracing route to linkedin.com [108.174.10.10]
over a maximum of 30 hops:


  0  0 ms  0 ms  0 ms  10.102.224.1
  1  3 ms  7 ms  5 ms  10.102.224.1
  2  3 ms  4 ms  3 ms  10.100.0.45
  3  11 ms 18 ms  5 ms  10.100.1.1
  4  104 ms 15 ms  3 ms  10.100.0.50
  5  8 ms  4 ms  3 ms  ip-103-241-5-113.unsri.ac.id [103.241.5.113]
  6  4 ms  40 ms 31 ms  noc-id1.unsri.ac.id [103.241.5.173]
  7  7 ms  9 ms  13 ms  ip-103-241-5-249.unsri.ac.id [103.241.5.249]
  8  23 ms 29 ms 35 ms  197.subnet222-124-73.p2p.telkom.net.id [222.124.73.197]
  9  29 ms 19 ms 33 ms  180.240.193.158
 10  25 ms 18 ms 41 ms  180.240.193.157
 11  93 ms 441 ms 327 ms  180.240.204.41
 12  295 ms 97 ms 96 ms  180.240.204.41
 13  565 ms 157 ms 162 ms  xe-0-1-0-4.r00.sngpsi02.sg.bb.gin.ntt.net [116.51.17.225]
 14  127 ms 524 ms 163 ms  ae-1.r20.sngpsi05.sg.bb.gin.ntt.net [129.250.3.146]
 15  247 ms 212 ms 208 ms  ae-8.r22.snjsca04.us.bb.gin.ntt.net [129.250.3.48]
 16  237 ms 205 ms 212 ms  ae-19.r01.snjsca04.us.bb.gin.ntt.net [129.250.3.27]
 17  410 ms 211 ms *  165.254.191.74
 18  * * *  Request timed out.
 19  * * *  Request timed out.
 20  251 ms 266 ms 252 ms  108-174-10-10.fwd.linkedin.com [108.174.10.10]

Trace complete.

```

Pada hops ke:

- 1) Melalui ip 10.102.224.1 : ip dengan awalan 10 merupakan ip local,
- 2) Melalui ip 10.100.0.45
- 3) Melalui ip 10.100.1.1
- 4) Melalui ip 10.100.0.50
- 5) Melalui ip 103.241.5.113 : sudah mulai masuk ke ip public,
- 6) Melalui ip 103.241.5.173
- 7) Melalui ip 103.241.5.249
- 8) Melalui ip 222.124.73.197: mulai masuk ke ip public milik PT.Telkom Indonesia

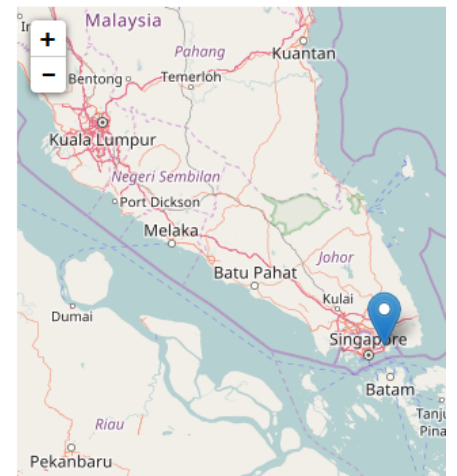
Address type	IPv4 ?
Hostname	193.subnet222-124-73.p2p.telkom.net.id
ISP	Pt. Telkom Indonesia
Timezone	Asia/Jakarta (UTC+7)
Local time	14:18:29
Country	Indonesia 
State / Region	Jakarta
City	Jakarta
Coordinates	-6.20876, 106.846

9) Melalui ip 180.240.193.158

IP address 180.240.193.158

180.240.193.158 is an IPv4 address owned by Telin and located in Singapore (Somapah Changi), Singapore

Address type	IPv4 ?
ISP	Telin
Timezone	Asia/Singapore (UTC+8)
Local time	15:52:17
Country	Singapore 
State / Region	Central Singapore
City	Singapore (Somapah Changi)



10) Melalui ip 180.240.193.157


11) Melalui ip 180.240.204.41

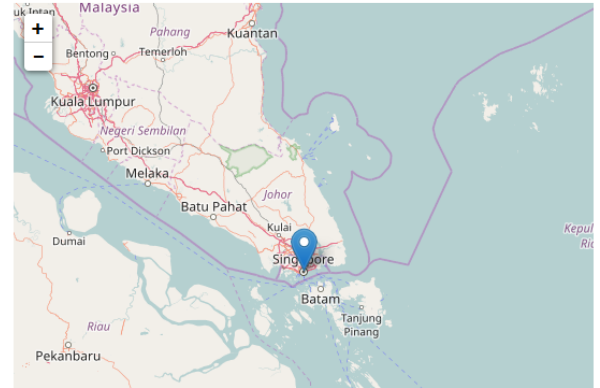
12) Melalui ip 180.240.204.41

13) Melalui ip 116.51.17.225

IP address 116.51.17.225

116.51.17.225 or xe-0-1-0-4.r00.sngpsi02.sg.bb.gin.ntt.net is an IPv4 address owned by Ntt-sgp and located in Singapore, Singapore


Address type	IPv4 ?
Hostname	xe-0-1-0-4.r00.sngpsi02.sg.bb.gin.ntt.net
ISP	Ntt-sgp
Organization	NTT Singapore Pte Ltd
Timezone	Asia/Singapore (UTC+8)
Local time	16:10:17
Country	Singapore 

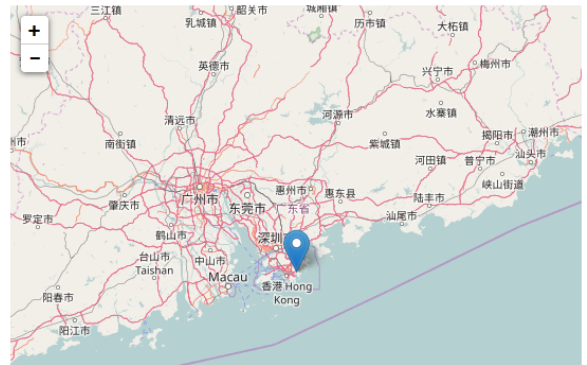


14) Melalui ip 129.250.3.146

IP address 129.250.3.146

129.250.3.146 or ae-1.r20.sngpsi05.sg.bb.gin.ntt.net is an IPv4 address owned by NTT America and located in Hong Kong (Tseung Kwan O), Hong Kong

Address type	IPv4 ?
Hostname	ae-1.r20.sngpsi05.sg.bb.gin.ntt.net
ISP	NTT America
Organization	NTT America, Inc.
Timezone	Asia/Hong_Kong (UTC+8)
Local time	16:11:11
Country	Hong Kong 



15) Melalui ip 129.250.3.148

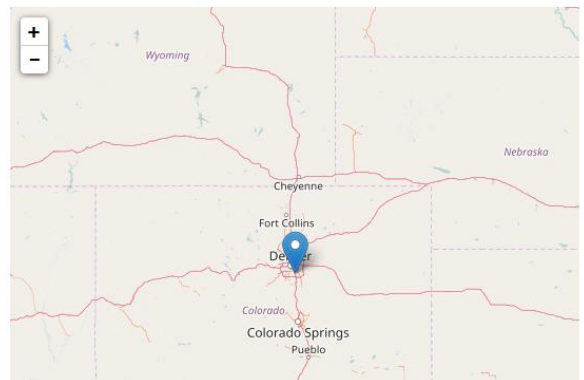
16) Melalui ip 129.250.3.27

17) Melalui ip 165.254.191.74

IP address 165.254.191.74

165.254.191.74 is an IPv4 address owned by NTT America and located in Greenwood Village, United States

Address type	IPv4 ?
ISP	NTT America
Timezone	America/Denver (UTC-7)
Local time	01:14:40
Country	United States 
State / Region	Colorado
District / County	Arapahoe County



18) Melalui ip 108.174.10.10

IP address 108.174.10.10

108.174.10.10 or 108-174-10-10.fwd.linkedin.com is an IPv4 address owned by LinkedIn Corporation and located in Mountain View, United States

Address type	IPv4 ?
Hostname	108-174-10-10.fwd.linkedin.com
ISP	LinkedIn Corporation
Timezone	America/Los_Angeles (UTC-8)
Local time	00:15:12
Country	United States 
State / Region	California

