

# Komunikasi Data dan Jaringan Komputer

## Analisis IP Address Lokal dan Interlokal



**MUAMMAR FACHRY**

**09031281520094**

**DOSEN PEMBIMBING**

**Deris Stiawan, M.T. , Ph.D.**

**SISTEM INFORMASI**

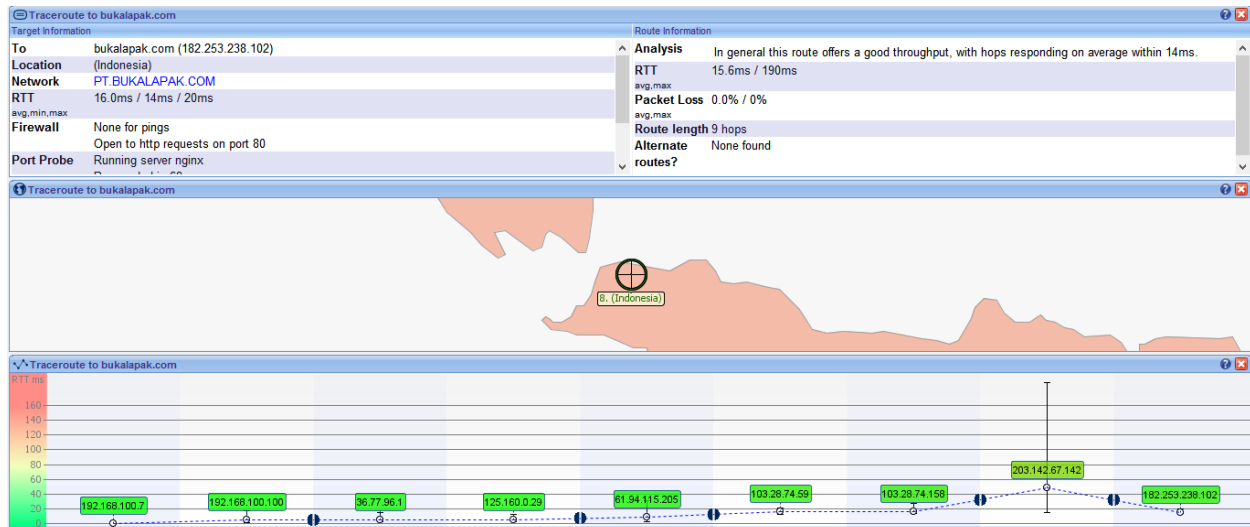
**FAKULTAS ILMU KOMPUTER**

**UNIVERSITAS SRIWIJAYA**

## IP LOKAL

Pada IP Address yang berada di Indonesia, saya akan menganalisis 2 website yaitu :

Website Buka Lapak : [www.bukalapak.com](http://www.bukalapak.com)

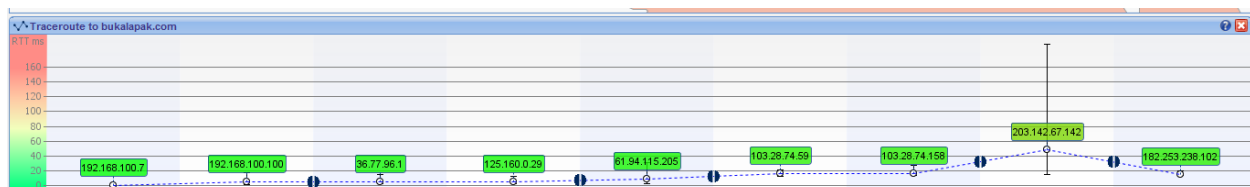


Pada hasil yang di dapat dari website [www.bukalapak.com](http://www.bukalapak.com) dapat kita ketahui bahwa hop yang diperlukan untuk mencapai destinasi kurang lebih 9 hops dan direspon rata – rata 15.6 ms dengan respon terlama 190 ms.

```
Tracing route to bukalapak.com [182.253.238.102]
over a maximum of 30 hops:

  1    1 ms    1 ms    <1 ms   100.100.168.192.in-addr.arpa [192.168.100.100]
  2    3 ms    2 ms    5 ms   36.77.96.1
  3    4 ms    4 ms    7 ms   29.0.160.125.in-addr.arpa [125.160.0.29]
  4    3 ms    2 ms    3 ms   61.94.115.205
  5   36 ms   13 ms   14 ms  telkomnet-as17974.iix.net.id [103.28.74.59]
  6   30 ms  211 ms  202 ms biznet-as17451.iix.net.id [103.28.74.158]
  7   14 ms   14 ms   14 ms  142.67.142.203.in-addr.arpa [203.142.67.142]
  8   17 ms   14 ms   14 ms  102.238.253.182.in-addr.arpa [182.253.238.102]

Trace complete.
```



Pada hasil di atas terdapat 2 ip local yaitu 192.168.100.7 dan 192.168.100.100 yang merupakan IP address dari komputer dan router saya. 7 dari 9 hops tersebut merupakan IP public. IP public tersebut meliputi 36.77.96.1 , 125.160.0.29 , 61.94.115.205 , 103.28.74.59 , 103.28.74.158 , 203.147.87.142 , dan 182.253.238.102 .

Results returned from **whois.apnic.net**

% [whois.apnic.net]

% Whois data copyright terms <http://www.apnic.net/db/dbcopyright.html>

% Information related to '36.77.96.0 - 36.77.111.255'

inetnum: 36.77.96.0 - 36.77.111.255  
netname: TLKM\_BB\_SERVICE\_36\_77\_DIVRE1-2  
descr: PT TELKOM INDONESIA  
Menara Multimedia Lt.7  
Jl. Kebon sirih No.12  
JAKARTA  
country: ID  
admin-c: AZ163-AP  
tech-c: FS370-AP  
status: ALLOCATED NON-PORTABLE  
remarks: These IP was used for PT TELKOM Indonesia's infrastructure  
mnt-by: MAINT-TELKOMNET  
mnt-lower: MAINT-TELKOMNET  
mnt-routes: MAINT-TELKOMNET  
mnt-irt: IRT-IDTELKOM-ID  
changed: hostmaster@telkom.net.id 20121002  
source: APNIC

irt: IRT-IDTELKOM-ID  
address: PT. TELKOM INDONESIA  
address: STO Telkom Gambir 3th Floor  
address: Medan Merdeka Selatan  
address: JAKARTA  
e-mail: abuse@telkom.co.id  
abuse-mailbox: abuse@telkom.co.id  
admin-c: DF99-AP

tech-c: AR165-AP  
auth: # Filtered  
mnt-by: MAINT-TELKOMNET  
changed: abuse@telkom.co.id 20120420  
changed: hm-changed@apnic.net 20120420  
source: APNIC

person: Akhmad Zaimi  
address: GSD Lt.14 Jl. Kebon Sirih No.12  
country: ID  
phone: +62-21-3860500  
e-mail: djimie@telkom.co.id  
nic-hdl: AZ163-AP  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20101220  
source: APNIC

person: Febrian Setiadi  
address: GSD Lt 14 Jl. Kebon Sirih No.12  
country: ID  
phone: +62-21-3860500  
e-mail: febrian.setiadi@telkom.co.id  
nic-hdl: FS370-AP  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20101220  
source: APNIC

% Information related to '36.77.96.0/20AS17974'

route: 36.77.96.0/20  
descr: PT. TELKOM INDONESIA  
descr: JAKARTA  
country: ID  
origin: AS17974  
mnt-by: MAINT-TELKOMNET  
changed: djimie@telin.co.id 20150527  
source: APNIC

```
Traceroute, Ping, Domai × +
network-tools.com/default.asp?prog=express&host=125.160.0.29

Results returned from whois.apnic.net
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/copyright.html

% Information related to '125.160.0.0 - 125.160.31.255'

inetnum: 125.160.0.0 - 125.160.31.255
netname: TLKM_BB_INF_125_160
country: ID
descr: PT TELKOM INDONESIA
descr: Menara Multimedia Lt. 7
descr: Jl. Kebonsirih No.12
descr: JAKARTA
admin-c: AR165-AP
tech-c: HM444-AP
remarks:
remarks: -----
remarks: These IP was used for PT TELKOM Indonesia's Infrastructure.
remarks: -----
status: ASSIGNED NON-PORTABLE
changed: hostmaster@telkom.net.id 20090212
mnt-by: MAINT-TELKOMNET
source: APNIC
mnt-by: MAINT-TELKOMNET

role: PT Telkom Indonesia APNIC Resources Management
address: PT. TELKOM INDONESIA
address: Menara Multimedia Lt. 7
address: Jl. Kebonsirih No.12
address: JAKARTA
country: ID
phone: +62-21-3860500
fax-no: +62-21-3861215
e-mail: ip-admin@telkom.net.id
admin-c: HM444-AP
tech-c: HM444-AP
nic-hdl: AR165-AP
notify: hostmaster@telkom.net.id
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20060105
source: APNIC

person: PT Telkom Indonesia Hostmaster
nic-hdl: HM444-AP
e-mail: hostmaster@telkom.net.id
address: PT. TELKOM INDONESIA
address: Menara Multimedia Lt. 7
address: Jl. Kebonsirih No.12
address: JAKARTA
phone: +62-21-3860500
fax-no: +62-21-3861215
country: ID
notify: hostmaster@telkom.net.id
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20060105
source: APNIC

% Information related to '125.160.0.0/24AS17974'

route: 125.160.0.0/24
descr: PT. TELKOM INDONESIA
descr: Menara Multimedia Lt. 7
descr: Jl. Kebonsirih No.12
descr: JAKARTA
country: ID
origin: AS17974
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20090319
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)
```

```

Results returned from whois.apnic.net
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/copyright.html

% Information related to '61.94.0.0 - 61.94.255.255'

inetnum: 61.94.0.0 - 61.94.255.255
netname: TELKOMNET
descr: PT. Telekomunikasi Indonesia
descr: Jl. Japati No 1 3rd Floor Bandung Indonesia
country: ID
admin-c: MFAM1-AP
tech-c: MFAM1-AP
tech-c: FS370-AP
mnt-by: APNIC-HM
mnt-lower: MAINT-TELKOMNET
mnt-routes: MAINT-TELKOMNET
mnt-irt: IRT-IDTELKOM-ID
status: ALLOCATED PORTABLE
remarks: For SPAM or ABUSE case, send to abuse@telkom.net.id
remarks: -----
remarks: This object can only be modified by APNIC hostmaster
remarks: If you wish to modify this object details please
remarks: send email to hostmaster@apnic.net with your organisation
remarks: account name in the subject line.
remarks: -----
changed: hm-changed@apnic.net 20020111
changed: hm-changed@apnic.net 20050809
changed: hm-changed@apnic.net 20051223
changed: hm-changed@apnic.net 20130111
source: APNIC

```

```

irt: IRT-IDTELKOM-ID
address: PT. TELKOM INDONESIA
address: STO Telkom Gambir 3th Floor
address: Medan Merdeka Selatan
address: JAKARTA
e-mail: abuse@telkom.co.id
abuse-mailbox: abuse@telkom.co.id
admin-c: DF99-AP
tech-c: AR165-AP
auth: # Filtered
mnt-by: MAINT-TELKOMNET
changed: abuse@telkom.co.id 20120420
changed: hm-changed@apnic.net 20120420
source: APNIC

```

```

person: Febrian Setiadi
address: GSD Lt 14 Jl. Kebon Sirih No.12
country: ID
phone: +62-21-3860500
e-mail: febrian.setiadi@telkom.co.id
nic-hdl: FS370-AP
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20101220
source: APNIC

```

```

person: Mohamad Fajar Aditya Masyhur
address: Graha Citra Caraka 4th Floor
address: Jakarta Selatan
country: ID
phone: +62215215375
e-mail: aditya_mh@telkom.co.id
nic-hdl: MFAM1-AP
remarks: IP Maintainer
abuse-mailbox: abuse@telkom.net.id
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20130226
source: APNIC

```

```

% Information related to '61.94.115.0/24AS17974'

```

```

route: 61.94.115.0/24
descr: PT. TELKOM INDONESIA
descr: Menara Multimedia LL 7
descr: Jl. Kebonsirih No.12
descr: JAKARTA
country: ID
origin: AS17974
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20130612
source: APNIC

```

```

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)

```

Di ketahui bahwa ip address 36.77.96.1 , 125.160.0.29 dan 61.94.115.205 merupakan sebuah jaringan provider dari PT.TELKOM INDONESIA

	<p>Retrieving DNS records for <b>telkomnet-as17974.ix.net.id</b> ... Attempt to get a DNS server for <b>telkomnet-as17974.ix.net.id</b> failed: <b>telkomnet-as17974.ix.net.id</b> does not exist in the DNSWhois query for <b>ix.net.id</b>... Results returned from <b>whois.pandi.or.id</b>: Domain ID:PANDI-DO172669 Domain Name:IX.NET.ID Created On:06-Jan-1998 13:29:48 UTC Last Updated On:19-Jun-2016 04:12:03 UTC Expiration Date:01-Sep-2017 23:59:59 UTC Status:ok Registrant ID:hostm231 Registrant Name:Hostmaster APJII Registrant Organization:APJII Registrant Street1:APJII - Cyber Bld. 11th Floor &lt;br&gt;Jl. Kuningan Bar Registrant Street2:APJII - Cyber Bld. 11th Floor &lt;br&gt;Jl. Kuningan Bar Registrant City:Jakarta Registrant State/Province:DKI Jakarta Registrant Postal Code:12710 Registrant Country:ID Registrant Phone:+62.215296063 Registrant FAX:+62.215296063 Registrant Email:hostmaster@apjii.or.id Admin ID:hostm231 Admin Name:Hostmaster APJII Admin Organization:APJII Admin Street1:APJII - Cyber Bld. 11th Floor &lt;br&gt;Jl. Kuningan Bar Admin Street2:APJII - Cyber Bld. 11th Floor</p>	
	<p>&lt;br&gt;Jl. Kuningan Bar Admin City:Jakarta Admin State/Province:DKI Jakarta Admin Postal Code:12710 Admin Country:ID Admin Phone:+62.215296063 Admin FAX:+62.215296063 Admin Email:hostmaster@apjii.or.id Tech ID:hostm231 Tech Name:Hostmaster APJII Tech Organization:APJII Tech Street1:APJII - Cyber Bld. 11th Floor &lt;br&gt;Jl. Kuningan Bar Tech Street2:APJII - Cyber Bld. 11th Floor &lt;br&gt;Jl. Kuningan Bar Tech City:Jakarta Tech State/Province:DKI Jakarta Tech Postal Code:12710 Tech Country:ID Tech Phone:+62.215296063 Tech FAX:+62.215296063 Tech Email:hostmaster@apjii.or.id Billing ID:hostm231 Billing Name:Hostmaster APJII Billing Organization:APJII</p>	
	<p>Billing Street1:APJII - Cyber Bld. 11th Floor &lt;br&gt;Jl. Kuningan Bar Billing Street2:APJII - Cyber Bld. 11th Floor &lt;br&gt;Jl. Kuningan Bar Billing City:Jakarta Billing State/Province:DKI Jakarta Billing Postal Code:12710 Billing Country:ID Billing Phone:+62.215296063 Billing FAX:+62.215296063 Billing Email:hostmaster@apjii.or.id Sponsoring Registrar ID:pandi Sponsoring Registrar IANA ID:1 Sponsoring Registrar Organization:PANDI Sponsoring Registrar Postal Code: Sponsoring Registrar Country:ID Sponsoring Registrar Phone:+62 21 57939151 Name Server:FRODO.APJII.OR.ID Name Server:ARCHIPELAGO.APJII.OR.ID DNSSEC:Unsigned</p>	

Results returned from **whois.apnic.net**  
 % [whois.apnic.net]  
 % Whois data copyright terms <http://www.apnic.net/db/dbcopyright.html>

% Information related to '103.28.74.0 - 103.28.75.255'

inetnum: 103.28.74.0 - 103.28.75.255  
 netname: APJII-IX-JK2  
 descr: Indonesia Internet eXchange - Blok Address  
 descr: Asosiasi Penyelenggara Jasa Internet Indonesia, or  
 descr: The Indonesian ISP Association  
 descr: Jakarta Selatan  
 country: ID  
 admin-c: IA55-AP  
 tech-c: IH123-AP  
 remarks: Send spam & abuse report to: abuse@apjii.or.id  
 status: ASSIGNED PORTABLE  
 mnt-by: MNT-APJII-ID  
 mnt-routes: MNT-APJII-ID  
 mnt-irt: IRT-IDNIC-ID  
 changed: hm-changed@apnic.net 20111222  
 source: APNIC

irt: IRT-IDNIC-ID

address: INDONESIA NETWORK INFORMATION CENTER  
 address: Cyber Building 11th Floor  
 address: Jl. Kuningan Barat No.8  
 address: Jakarta Selatan 12710  
 e-mail: abuse@idnic.net  
 abuse-mailbox: abuse@idnic.net  
 admin-c: IA55-AP  
 tech-c: IH123-AP  
 auth: # Filtered  
 mnt-by: MNT-APJII-ID  
 changed: abuse@idnic.net 20101108  
 source: APNIC

role: ID-NIC ADMINISTRATORS  
 address: Indonesian Network Information Center  
 address: ID-NIC  
 address: Cyber Building 11th Floor  
 address: Jakarta 12710  
 country: ID  
 phone: +62-21-52960634  
 fax-no: +62-21-52960635  
 e-mail: hostmaster@idnic.net  
 remarks: spam and abuse report : abuse@apjii.or.id  
 remarks: technical and routing : support@apjii.or.id  
 remarks: hostmasters : hostmasters@apjii.or.id  
 remarks: ID-NIC administrators role object  
 remarks: ID-NIC administrators role object

admin-c: YF295-AP  
 tech-c: YF295-AP  
 nic-hdl: IA55-AP  
 notify: hostmaster@idnic.net  
 mnt-by: MNT-APJII-ID  
 changed: hostmaster@apjii.or.id 20050317  
 changed: hostmaster@apjii.or.id 20051214  
 changed: hostmaster@apjii.or.id 20070314  
 changed: hostmaster@apjii.or.id 20081210  
 changed: hostmaster@idnic.net 20160718  
 source: APNIC

role: ID-NIC HOSTMASTERS  
 address: Indonesian Network Information Center  
 address: ID-NIC  
 address: Cyber Building 11th Floor  
 address: Jakarta 12710  
 country: ID  
 phone: +62-21-52960634

fax-no: +62-21-52960635  
 e-mail: hostmaster@apjii.or.id  
 remarks: spam and abuse report : abuse@apjii.or.id  
 remarks: technical and routing : support@apjii.or.id  
 remarks: administrative request : admin@apjii.or.id  
 remarks: IDNIC hostmasters role object  
 admin-c: YF295-AP  
 tech-c: YF295-AP  
 nic-hdl: IH123-AP  
 notify: hostmaster@idnic.net  
 mnt-by: MNT-APJII-ID  
 changed: hostmaster@apjii.or.id 20050317  
 changed: hm-changed@apnic.net 20110325  
 changed: hostmaster@idnic.net 20160513  
 source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)

Trace aborted.

Retrieving DNS records for **biznet-as17451.ix.net.id**...  
Attempt to get a DNS server for **biznet-as17451.ix.net.id** failed: **biznet-as17451.ix.net.id** does not exist in the DNSWhois query for **ix.net.id**...

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

Domain ID:PANDI-DO172659  
Domain Name:IX.NET.ID  
Created On:06-Jan-1998 13:29:48 UTC  
Last Updated On:19-Jun-2016 04:12:03 UTC  
Expiration Date:01-Sep-2017 23:59:59 UTC  
Status:ok  
Registrant ID:hostm231  
Registrant Name:Hostmaster APJII  
Registrant Organization:APJII  
Registrant Street1:APJII - Cyber Bld. 11th Floor  
<br>Jl. Kuningan Bar  
Registrant Street2:APJII - Cyber Bld. 11th Floor  
<br>Jl. Kuningan Bar  
Registrant City:Jakarta  
Registrant State/Province:DKI Jakarta  
Registrant Postal Code:12710  
Registrant Country:ID  
Registrant Phone:+62.215296063  
Registrant FAX:+62.215296063  
Registrant Email:hostmaster@apjii.or.id  
Admin ID:hostm231  
Admin Name:Hostmaster APJII  
Admin Organization:APJII  
Admin Street1:APJII - Cyber Bld. 11th Floor  
<br>Jl. Kuningan Bar  
Admin Street2:APJII - Cyber Bld. 11th Floor  
<br>Jl. Kuningan Bar  
Admin City:Jakarta  
Admin State/Province:DKI Jakarta  
Admin Postal Code:12710  
Admin Country:ID  
Admin Phone:+62.215296063  
Admin FAX:+62.215296063  
Admin Email:hostmaster@apjii.or.id  
Tech ID:hostm231  
Tech Name:Hostmaster APJII  
Tech Organization:APJII  
Tech Street1:APJII - Cyber Bld. 11th Floor  
<br>Jl. Kuningan Bar  
Tech Street2:APJII - Cyber Bld. 11th Floor  
<br>Jl. Kuningan Bar  
Tech City:Jakarta  
Tech State/Province:DKI Jakarta  
Tech Postal Code:12710  
Tech Country:ID  
Tech Phone:+62.215296063  
Tech FAX:+62.215296063  
Tech Email:hostmaster@apjii.or.id  
Billing ID:hostm231  
Billing Name:Hostmaster APJII  
Billing Organization:APJII  
Billing Street1:APJII - Cyber Bld. 11th Floor  
<br>Jl. Kuningan Bar  
Billing Street2:APJII - Cyber Bld. 11th Floor  
<br>Jl. Kuningan Bar  
Billing City:Jakarta  
Billing State/Province:DKI Jakarta  
Billing Postal Code:12710  
Billing Country:ID  
Billing Phone:+62.215296063  
Billing FAX:+62.215296063  
Billing Email:hostmaster@apjii.or.id  
Sponsoring Registrar ID:pandi  
Sponsoring Registrar IANA ID:1  
Sponsoring Registrar Organization:PANDI  
Sponsoring Registrar Postal Code:  
Sponsoring Registrar Country:ID  
Sponsoring Registrar Phone:+62 21 57939151



	Name Server:FRODO.APJII.OR.ID Name Server:ARCHIPELAGO.APJII.OR.ID DNSSEC:Unsigned	
	<b>Results returned from whois.apnic.net</b> % [whois.apnic.net] % Whois data copyright terms http://www.apnic.net/db/dbcopyright.html  % Information related to '103.28.74.0 - 103.28.75.255'  inetnum: 103.28.74.0 - 103.28.75.255 netname: APJII-IX-JK2 descr: Indonesia Internet eXchange - Blok Address descr: Asosiasi Penyelenggara Jasa Internet Indonesia, or descr: The Indonesian ISP Association descr: Jakarta Selatan country: ID admin-c: IA55-AP tech-c: IH123-AP remarks: Send spam & abuse report to: abuse@apjii.or.id status: ASSIGNED PORTABLE mnt-by: MNT-APJII-ID mnt-routes: MNT-APJII-ID mnt-irt: IRT-IDNIC-ID changed: hm-changed@apnic.net 20111222 source: APNIC	
	irt: IRT-IDNIC-ID address: INDONESIA NETWORK INFORMATION CENTER address: Cyber Building 11th Floor address: Jl. Kuningan Barat No.8 address: Jakarta Selatan 12710 e-mail: abuse@idnic.net abuse-mailbox: abuse@idnic.net admin-c: IA55-AP tech-c: IH123-AP auth: # Filtered mnt-by: MNT-APJII-ID changed: abuse@idnic.net 20101108 source: APNIC	
	role: ID-NIC ADMINISTRATORS address: Indonesian Network Information Center address: ID-NIC address: Cyber Building 11th Floor address: Jakarta 12710 country: ID phone: +62-21-52960634 fax-no: +62-21-52960635 e-mail: hostmaster@idnic.net remarks: spam and abuse report : abuse@apjii.or.id remarks: technical and routing : support@apjii.or.id remarks: hostmasters : hostmaster@apjii.or.id remarks: ID-NIC administrators role object admin-c: YF295-AP tech-c: YF295-AP nic-hdl: IA55-AP notify: hostmaster@idnic.net mnt-by: MNT-APJII-ID changed: hostmaster@apjii.or.id 20050317 changed: hostmaster@apjii.or.id 20051214 changed: hostmaster@apjii.or.id 20070314 changed: hostmaster@apjii.or.id 20081210 changed: hostmaster@idnic.net 20160718 source: APNIC	
	role: ID-NIC HOSTMASTERS address: Indonesian Network Information Center address: ID-NIC address: Cyber Building 11th Floor address: Jakarta 12710 country: ID phone: +62-21-52960634 fax-no: +62-21-52960635 e-mail: hostmaster@apjii.or.id remarks: spam and abuse report : abuse@apjii.or.id remarks: technical and routing : support@apjii.or.id remarks: administrative request : admin@apjii.or.id remarks: IDNIC hostmasters role object admin-c: YF295-AP tech-c: YF295-AP nic-hdl: IH123-AP notify: hostmaster@idnic.net mnt-by: MNT-APJII-ID changed: hostmaster@apjii.or.id 20050317 changed: hm-changed@apnic.net 20110325 changed: hostmaster@idnic.net 20160513 source: APNIC	

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)

Di ketahui bahwa IP address dari 103.28.74.59 dan 103.28.74.158 yang memiliki registrasi name Hostmaster APJII adalah milik dari Indonesia internet eXchange yang melakukan perpindahan dari jaringan

Telkomnet menuju ke biznet. IP address ini di buat pada tanggal 6 januari 1998 , terakhir kali di update pada tanggal 19 juni 2016 , dan akan expired pada tanggal 1 september 2017.

```
Results returned from whois.apnic.net
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/dbcopyright.html

% Information related to '203.142.67.0 - 203.142.67.255'

inetnum: 203.142.67.0 - 203.142.67.255
netname: BIZNET-BiznetEquinix-BLOCK
descr: Biznet Equinix
descr: Jakarta
country: ID
admin-c: AW151-AP
tech-c: AW151-AP
mnt-by: MAINT-ID-BIZNET
changed: apnic@biz.net.id 20081230
remarks: Send Spam & Abuse Reports to : abuse@biz.net.id
status: ASSIGNED NON-PORTABLE
source: APNIC

person: Alexander Wenas
address: Midplaza 2. 8th floor
address: Jend.Sudirman Kav.10-11
address: Jakarta 10220
address: Indonesia
country: ID
phone: +62-21-570-8888
fax-no: +62-21-570-0580
e-mail: noc@biznetnetworks.com
nic-hdl: AW151-AP
mnt-by: MAINT-ID-BIZNET
changed: apnic@biz.net.id 20010419
changed: hostmaster@idnic.net 20140304
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)
```

Diketahui bahwa IP address 203.142.67.142 merupakan jaringan internet yang dimiliki oleh BIZNET

```
Results returned from whois.apnic.net
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/dbcopyright.html

% Information related to '182.253.238.96 - 182.253.238.103'

inetnum: 182.253.238.96 - 182.253.238.103
netname: BIZNET-PT-BUKALAPAKCOM-BLOCK
descr: PT.BUKALAPAK.COM
descr: Biznet Data Center
descr: Jakarta
country: ID
admin-c: AW151-AP
tech-c: AW151-AP
mnt-by: MAINT-ID-BIZNET
mnt-irt: IRT-BIZNET-ID
changed: apnic@biz.net.id 20150302
remarks: Send Spam & Abuse Reports to : abuse@biz.net.id
status: ASSIGNED NON-PORTABLE
source: APNIC

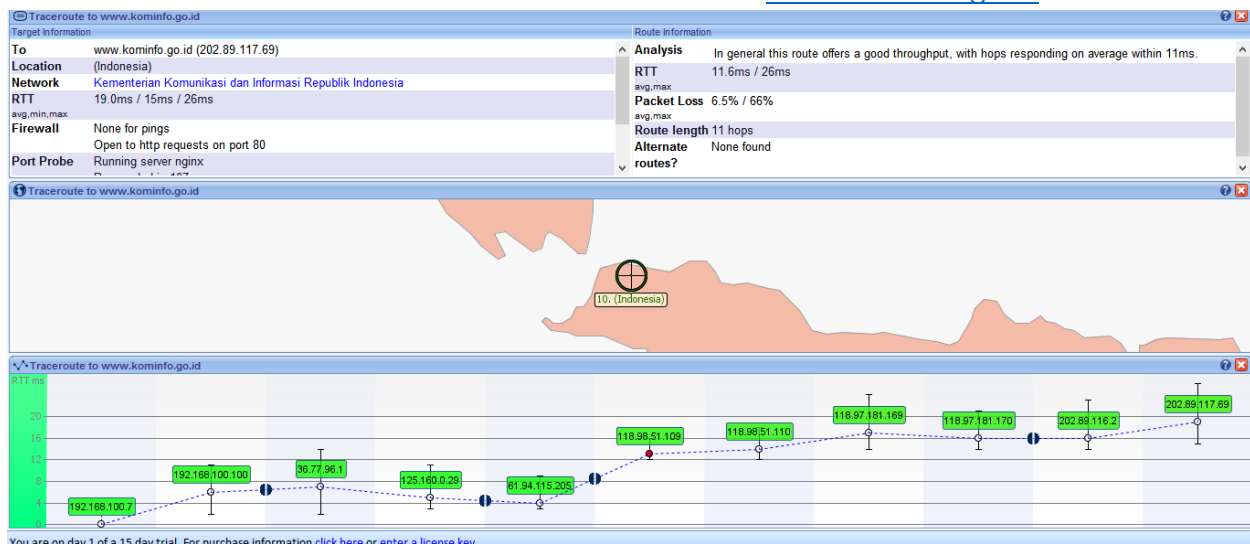
irt: IRT-BIZNET-ID
address: Biznet Networks
address: Midplaza 2. 8th Floor
address: Jl. Jend Sudirman Kav 10-11
address: Jakarta 10220
e-mail: agus_ariyanto@biz.net.id
abuse-mailbox: abuse@biz.net.id
admin-c: AA590-AP
tech-c: AA590-AP
auth: # Filtered
mnt-by: MAINT-ID-BIZNET
changed: hostmaster@idnic.net 20110204
changed: hostmaster@idnic.net 20110208
source: APNIC
```

```
person: Alexander Wenas
address: Midplaza 2, 8th floor
address: Jend.Sudirman Kav.10-11
address: Jakarta 10220
address: Indonesia
country: ID
phone: +62-21-570-8888
fax-no: +62-21-570-0580
e-mail: noc@biznetnetworks.com
nic-hdl: AIW151-AP
mnt-by: MAINT-ID-BIZNET
changed: apnic@biz.net.id 20010419
changed: hostmaster@idnic.net 20140304
source: APNIC
```

% This query was served by the APNIC Whois Service version 1.69.1-APNIC/r1r0 (UNDEFINED)

Dari info di atas diketahui bahwa website [www.bukalapak.com](http://www.bukalapak.com) tersebut dimiliki oleh PT.Bukalapak.com yang menggunakan jaringan server dari BIZnet data center.

## Website Kementerian Komunikasi dan Informatika RI : [www.kominfo.go.id](http://www.kominfo.go.id)

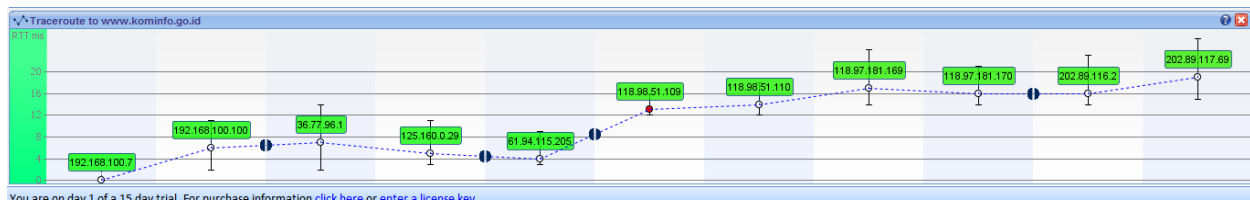


Pada hasil yang di dapat dari website [www.kominfo.go.id](http://www.kominfo.go.id) dapat kita ketahui bahwa hop yang diperlukan untuk mencapai destinasi kurang lebih 11 hops dan direspon rata – rata 11.6 ms dengan respon terlama 26 ms.

```
Tracing route to www.kominfo.go.id [202.89.117.69]
over a maximum of 30 hops:

  1    2 ms    1 ms    1 ms  100.100.168.192.in-addr.arpa [192.168.100.100]
  2    4 ms    5 ms    3 ms  36.77.96.1
  3    5 ms    3 ms    3 ms  29.0.160.125.in-addr.arpa [125.160.0.29]
  4    3 ms    3 ms    4 ms  61.94.115.205
  5    *      *      13 ms  109.subnet118-98-51.astinet.telkom.net.id [118.98.51.109]
  6   15 ms   14 ms   13 ms  110.subnet118-98-51.astinet.telkom.net.id [118.98.51.110]
  7   27 ms   13 ms   14 ms  169.subnet118-97-181.static.astinet.telkom.net.id [118.97.181.169]
  8   16 ms   15 ms   16 ms  170.subnet118-97-181.static.astinet.telkom.net.id [118.97.181.170]
  9   15 ms   14 ms   14 ms  2.116.89.202.in-addr.arpa [202.89.116.2]
 10   17 ms   15 ms   15 ms  www.kominfo.go.id [202.89.117.69]

Trace complete.
```



Pada hasil di atas terdapat 2 ip local yaitu 192.168.100.7 dan 192.168.100.100 yang merupakan IP address dari komputer dan router saya. 9 dari 11 hops tersebut merupakan IP public. IP public tersebut meliputi 36.77.96.1 , 125.160.0.29 , 61.94.115.205 , 118.98.51.109 , 118.98.51.110 , 118.97.181.169 , 118.97.181.170 , 202.89.116.2 , dan 202.89.117.69 .

Results returned from **whois.apnic.net**

% [whois.apnic.net]  
% Whois data copyright terms <http://www.apnic.net/db/copyright.html>

% Information related to '36.77.96.0 - 36.77.111.255'

inetnum: 36.77.96.0 - 36.77.111.255  
netname: TLKM\_BB\_SERVICE\_36\_77\_DIVRE1-2  
descr: PT TELKOM INDONESIA  
Menara Multimedia Lt.7  
Jl. Kebon sirih No.12  
JAKARTA  
country: ID  
admin-c: AZ163-AP  
tech-c: FS370-AP  
status: ALLOCATED NON-PORTABLE  
remarks: These IP was used for PT TELKOM Indonesia's infrastructure  
mnt-by: MAINT-TELKOMNET  
mnt-lower: MAINT-TELKOMNET  
mnt-routes: MAINT-TELKOMNET  
mnt-irt: IRT-IDTELKOM-ID  
changed: hostmaster@telkom.net.id 20121002  
source: APNIC  
  
irt: IRT-IDTELKOM-ID  
address: PT. TELKOM INDONESIA  
address: STO Telkom Gambir 3th Floor  
address: Medan Merdeka Selatan  
address: JAKARTA  
e-mail: abuse@telkom.co.id  
abuse-mailbox: abuse@telkom.co.id  
admin-c: DF99-AP

tech-c: AR165-AP  
auth: # Filtered  
mnt-by: MAINT-TELKOMNET  
changed: abuse@telkom.co.id 20120420  
changed: hm-changed@apnic.net 20120420  
source: APNIC

person: Akhmad Zaimi  
address: GSD Lt.14 Jl. Kebon Sirih No.12  
country: ID  
phone: +62-21-3860500  
e-mail: djimie@telkom.co.id  
nic-hdl: AZ163-AP  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20101220  
source: APNIC

person: Febrian Setiadi  
address: GSD Lt.14 Jl. Kebon Sirih No.12  
country: ID  
phone: +62-21-3860500  
e-mail: febrian.setiadi@telkom.co.id  
nic-hdl: FS370-AP  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20101220  
source: APNIC

% Information related to '36.77.96.0/20AS17974'

route: 36.77.96.0/20  
descr: PT. TELKOM INDONESIA  
descr: JAKARTA  
country: ID  
origin: AS17974  
mnt-by: MAINT-TELKOMNET  
changed: djimie@telin.co.id 20150527  
source: APNIC

Traceroute, Ping, Domai × +  
network-tools.com/default.asp?prog=express&host=125.160.0.29

Results returned from **whois.apnic.net**  
% [whois.apnic.net]  
% Whois data copyright terms <http://www.apnic.net/db/copyright.html>

% Information related to '125.160.0.0 - 125.160.31.255'

inetnum: 125.160.0.0 - 125.160.31.255  
netname: TLKM\_BB\_INF\_125\_160  
country: ID  
descr: PT TELKOM INDONESIA  
descr: Menara Multimedia LL 7  
descr: Jl. Kebonsirih No.12  
descr: JAKARTA  
admin-c: AR165-AP  
tech-c: HM444-AP  
remarks:  
remarks: -----  
remarks: These IP was used for PT TELKOM Indonesia's Infrastructure.  
remarks: -----  
status: ASSIGNED NON-PORTABLE  
changed: hostmaster@telkom.net.id 20090212  
mnt-by: MAINT-TELKOMNET  
source: APNIC  
mnt-by: MAINT-TELKOMNET

role: PT Telkom Indonesia APNIC Resources Management  
address: PT. TELKOM INDONESIA  
address: Menara Multimedia LL 7  
address: Jl. Kebonsirih No.12  
address: JAKARTA  
country: ID  
phone: +62-21-3860500  
fax-no: +62-21-3861215  
e-mail: ip-admin@telkom.net.id  
admin-c: HM444-AP  
tech-c: HM444-AP  
nic-hdl: AR165-AP  
notify: hostmaster@telkom.net.id  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20060105  
source: APNIC

person: PT Telkom Indonesia Hostmaster  
nic-hdl: HM444-AP  
e-mail: hostmaster@telkom.net.id  
address: PT. TELKOM INDONESIA  
address: Menara Multimedia LL 7  
address: Jl. Kebonsirih No.12  
address: JAKARTA  
phone: +62-21-3860500  
fax-no: +62-21-3861215  
country: ID  
notify: hostmaster@telkom.net.id  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20060105  
source: APNIC

% Information related to '125.160.0.0/24AS17974'

route: 125.160.0.0/24  
descr: PT. TELKOM INDONESIA  
descr: Menara Multimedia LL 7  
descr: Jl. Kebonsirih No.12  
descr: JAKARTA  
country: ID  
origin: AS17974  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20090319  
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)

```

Results returned from whois.apnic.net
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/copyright.html

% Information related to '61.94.0.0 - 61.94.255.255'

inetnum: 61.94.0.0 - 61.94.255.255
netname: TELKOMNET
descr: PT. Telekomunikasi Indonesia
descr: Jl. Japati No 1 3rd Floor Bandung Indonesia
country: ID
admin-c: MFAM1-AP
tech-c: MFAM1-AP
tech-c: FS370-AP
mnt-by: APNIC-HM
mnt-lower: MAINT-TELKOMNET
mnt-routes: MAINT-TELKOMNET
mnt-irt: IRT-IDTELKOM-ID
status: ALLOCATED PORTABLE
remarks: For SPAM or ABUSE case, send to abuse@telkom.net.id
remarks: -+-----+
remarks: This object can only be modified by APNIC hostmaster
remarks: If you wish to modify this object details please
remarks: send email to hostmaster@apnic.net with your organisation
remarks: account name in the subject line.
remarks: -+-----+
changed: hm-changed@apnic.net 20020111
changed: hm-changed@apnic.net 20050809
changed: hm-changed@apnic.net 20051223
changed: hm-changed@apnic.net 20130111
source: APNIC

```

```

irt: IRT-IDTELKOM-ID
address: PT. TELKOM INDONESIA
address: STO Telkom Gambir 3th Floor
address: Medan Merdeka Selatan
address: JAKARTA
e-mail: abuse@telkom.co.id
abuse-mailbox: abuse@telkom.co.id
admin-c: DF99-AP
tech-c: AR165-AP
auth: # Filtered
mnt-by: MAINT-TELKOMNET
changed: abuse@telkom.co.id 20120420
changed: hm-changed@apnic.net 20120420
source: APNIC

```

```

person: Febrian Setiadi
address: GSD Lt 14 Jl. Kebon Sirih No.12
country: ID
phone: +62-21-3860500
e-mail: febrian.setiadi@telkom.co.id
nic-hdl: FS370-AP
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20101220
source: APNIC

```

```

person: Mohamad Fajar Aditya Masyhur
address: Graha Citra Caraka 4th Floor
address: Jakarta Selatan
country: ID
phone: +62215215375
e-mail: aditya_mh@telkom.co.id
nic-hdl: MFAM1-AP
remarks: IP Maintainer
abuse-mailbox: abuse@telkom.net.id
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20130226
source: APNIC

```

```
% Information related to '61.94.115.0/24AS17974'
```

```

route: 61.94.115.0/24
descr: PT. TELKOM INDONESIA
descr: Menara Multimedia LL 7
descr: Jl. Kebonsirih No.12
descr: JAKARTA
country: ID
origin: AS17974
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20130612
source: APNIC

```

```
% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)
```

Di ketahui bahwa ip address 36.77.96.1 , 125.160.0.29 dan 61.94.115.205 merupakan sebuah jaringan provider dari PT.TELKOM INDONESIA

biz.org

Country Code (2-letter) domains:  
ae | au | be | br | bs | ca | cl  
co | de | dz | ec | es | hr | hu | id  
io | kr | my | nl | ph | pk | ru  
us | za  
[Suggest a Link](#)

Retrieving DNS records for **170.subnet118-97-181.static.astinet.telkom.net.id**...  
Attempt to get a DNS server for **170.subnet118-97-181.static.astinet.telkom.net.id** failed:  
**170.subnet118-97-181.static.astinet.telkom.net.id** does not exist in the DNSWhois query for **telkom.net.id**.

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

Domain ID:PANDI-DO173632  
Domain Name:TELKOM.NET.ID  
Created On:14-May-1996 13:29:50 UTC  
Last Updated On:17-Oct-2016 00:13:52 UTC  
Expiration Date:01-Sep-2018 23:59:59 UTC  
Status:ok  
Registrant ID:itdm1  
Registrant Name:IDC Telkom Divisi Multimedia  
Registrant Organization:Telkom Divisi Multimedia  
Registrant Street1:Menara Multimedia Lt. 6, Jl. Kebon Sirih No. 12 -  
Registrant City:Jakarta Pusat  
Registrant State/Province:DKI Jakarta  
Registrant Postal Code:10340  
Registrant Country:ID  
Registrant Phone:  
Registrant Email:ido@telkom.co.id  
Admin ID:phunt1  
Admin Name:  
Admin Postal Code:  
Admin Country:  
Admin Phone:  
Admin Email:phunta@telkom.net.id  
Tech ID:itdm1  
Tech Name:IDC Telkom Divisi Multimedia  
Tech Organization:Telkom Divisi Multimedia

Tech Street1:Menara Multimedia Lt. 6, Jl. Kebon Sirih No. 12 -  
Tech City:Jakarta Pusat  
Tech State/Province:DKI Jakarta  
Tech Postal Code:10340  
Tech Country:ID  
Tech Phone:  
Tech Email:ido@telkom.co.id  
Billing ID:donyt1  
Billing Name:  
Billing Postal Code:  
Billing Country:  
Billing Phone:  
Billing Email:dony@telkom.co.id  
Sponsoring Registrar ID:pandi  
Sponsoring Registrar IANA ID:1  
Sponsoring Registrar Organization:PANDI  
Sponsoring Registrar Postal Code:  
Sponsoring Registrar Country:ID  
Sponsoring Registrar Phone:+62 21 57939151  
Name Server:NS1.TELKOM.NET.ID  
Name Server:NS3.TELKOM.NET.ID  
Name Server:DNS2.TELKOM.NET.ID  
Name Server:NS2.TELKOM.NET.ID  
Name Server:DNS1.TELKOM.NET.ID  
DNSSEC:Unsigned

% Information related to '118.98.72.0 - 118.98.127.255'

inetnum: 118.98.72.0 - 118.98.127.255  
netname: TLKM\_IDC\_COLO\_BTM  
country: ID  
descr: PT TELKOM INDONESIA  
descr: Menara Multimedia Lt 7  
descr: Jl. Kebonsirih No.12  
descr: JAKARTA  
admin-c: AR165-AP  
tech-c: HM444-AP  
remarks: -----  
remarks: Send ABUSE and SPAM reports with plain ASCII text only to  
remarks: to [abuse@telkom.net.id](mailto:abuse@telkom.net.id).  
remarks: The netname enclosed in square bracket is included in the subject.  
remarks: -----  
status: ASSIGNED NON-PORTABLE  
changed: hostmaster@telkom.net.id 20090206  
mnt-by: MAINT-TELKOMNET  
source: APNIC  
  
role: PT Telkom Indonesia APNIC Resources Management  
address: PT. TELKOM INDONESIA  
address: Menara Multimedia Lt. 7  
address: Jl. Kebonsirih No.12  
address: JAKARTA  
country: ID  
phone: +62-21-3860500  
fax-no: +62-21-3861215  
e-mail: ip-admin@telkom.net.id



admin-c: HM444-AP  
tech-c: HM444-AP  
nic-hdl: AR165-AP  
notify: hostmaster@telkom.net.id  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20060105  
source: APNIC

person: PT Telkom Indonesia Hostmaster  
nic-hdl: HM444-AP  
e-mail: hostmaster@telkom.net.id  
address: PT. TELKOM INDONESIA  
address: Menara Multimedia Lt. 7  
address: Jl. Kebonsirih No.12  
address: JAKARTA  
phone: +62-21-3860500  
fax-no: +62-21-3861215  
country: ID  
notify: hostmaster@telkom.net.id  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20060105  
source: APNIC

% Information related to '118.98.94.0/24AS17974'

route: 118.98.94.0/24  
descr: PT. TELKOM INDONESIA  
descr: JAKARTA  
country: ID

origin: AS17974  
mnt-by: MAINT-TELKOMNET  
changed: djmie@telin.co.id 20150527  
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)

% Information related to '118.97.105.0 - 118.97.205.255'

inetnum: 118.97.105.0 - 118.97.205.255  
netname: TLKM\_AST\_CUSTOMER  
descr: PT Telkom Indonesia's customer  
country: ID

admin-c: HM444-AP  
tech-c: A164-AP  
status: ALLOCATED NON-PORTABLE

remarks: -----  
remarks: Send ABUSE and SPAM reports with plain ASCII text only to  
remarks: to abuse@telkom.net.id.  
remarks: The netname enclosed in square bracket is included in the subject.  
remarks: -----

mnt-by: MAINT-TELKOMNET  
mnt-lower: MAINT-TELKOMNET  
mnt-irt: IRT-IDTELKOM-ID  
changed: hostmaster@telkom.net.id 20101230  
source: APNIC

irt: IRT-IDTELKOM-ID  
address: PT. TELKOM INDONESIA  
address: STO Telkom Gambir 3th Floor  
address: Medan Merdeka Selatan  
address: JAKARTA  
e-mail: abuse@telkom.co.id  
abuse-mailbox: abuse@telkom.co.id  
admin-c: DF99-AP  
tech-c: AR165-AP

mnt-by: MAINT-TELKOMNET  
changed: abuse@telkom.co.id 20120420  
changed: hm-changed@apnic.net 20120420  
source: APNIC

role: PT Telkom Indonesia ABUSE INTERNET Response Team  
address: PT. TELKOM INDONESIA  
address: Menara Multimedia Lt. 7  
address: Jl. Kebonsirih No.12  
address: JAKARTA  
country: ID  
phone: +62-21-3860500  
fax-no: +62-21-3861215  
e-mail: abuse@telkom.net.id  
admin-c: HM444-AP  
tech-c: HM444-AP  
nic-hdl: A164-AP  
notify: hostmaster@telkom.net.id  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20060105  
source: APNIC

person: PT Telkom Indonesia Hostmaster  
nic-hdl: HM444-AP  
e-mail: hostmaster@telkom.net.id  
address: PT. TELKOM INDONESIA  
address: Menara Multimedia Lt. 7  
address: Jl. Kebonsirih No.12  
address: JAKARTA

```
phone: +62-21-3860500
fax-no: +62-21-3861215
country: ID
notify: hostmaster@telkom.net.id
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20060105
source: APNIC

% Information related to '118.97.176.0/21AS17974'

route: 118.97.176.0/21
descr: PT. TELKOM INDONESIA
descr: JAKARTA
country: ID
origin: AS17974
mnt-by: MAINT-TELKOMNET
changed: djmlie@telin.co.id 20150527
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)
```

Di ketahui bahwa registrasi-name dari ip 118.98.51.109 , 118.98.51.110 , 118.97.181.169 , 118.97.181.170 adalah IDC TELKOM divisi multimedia yang dibuat pada tanggal 14 mei 1996 , terakhir kali di update pada tanggal 17 oktober 2016 dan akan expired pada tanggal 1 september 2018.

```
Whois query for kominfo.go.id...
Results returned from whois.pandi.or.id
Domain ID:PANDI-DO283891
Domain Name:KOMINFO.GO.ID
Created On:12-Jul-2010 13:35:14 UTC
Last Updated On:12-Jun-2016 06:42:04 UTC
Expiration Date:31-Jul-2018 23:59:59 UTC
Status:ok
Registrant ID:pusatd-98193
Registrant Name:Pusat Data dan Sarana Informatika
Registrant Organization:Kementerian Komunikasi dan Informatika
Registrant Street1:Medan Merdeka Barat No. 9
Registrant City:Jakarta Pusat
Registrant State/Province:DKI Jakarta
Registrant Postal Code:10110
Registrant Country:ID
Registrant Phone:+62.213848882
Registrant Email:pdsi@mail.kominfo.go.id
Admin ID:pusatd-98193
Admin Name:Pusat Data dan Sarana Informatika
Admin Organization:Kementerian Komunikasi dan Informatika
Admin Street1:Medan Merdeka Barat No. 9
Admin City:Jakarta Pusat
Admin State/Province:DKI Jakarta
Admin Postal Code:10110
Admin Country:ID
Admin Phone:+62.213848882
Admin Email:pdsi@mail.kominfo.go.id
Tech ID:pusatd-98193

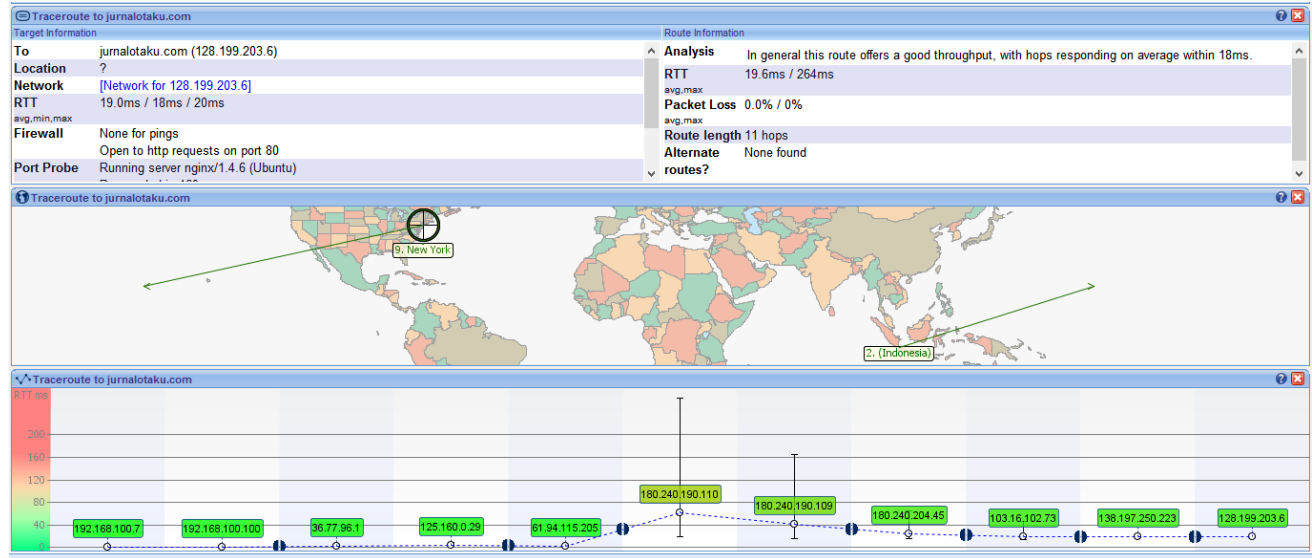
Tech Name:Pusat Data dan Sarana Informatika
Tech Organization:Kementerian Komunikasi dan Informatika
Tech Street1:Medan Merdeka Barat No. 9
Tech City:Jakarta Pusat
Tech State/Province:DKI Jakarta
Tech Postal Code:10110
Tech Country:ID
Tech Phone:+62.213848882
Tech Email:pdsi@mail.kominfo.go.id
Billing ID:pusatd-98193
Billing Name:Pusat Data dan Sarana Informatika
Billing Organization:Kementerian Komunikasi dan Informatika
Billing Street1:Medan Merdeka Barat No. 9
Billing City:Jakarta Pusat
Billing State/Province:DKI Jakarta
Billing Postal Code:10110
Billing Country:ID
Billing Phone:+62.213848882
Billing Email:pdsi@mail.kominfo.go.id
Sponsoring Registrar ID:H4964483
Sponsoring Registrar Organization:Kementerian Komunikasi dan Informatika
Sponsoring Registrar Street1:Jl. Medan Merdeka Barat No. 9
Sponsoring Registrar City:Jakarta Pusat
Sponsoring Registrar State/Province:Jakarta
Sponsoring Registrar Postal Code:10110
Sponsoring Registrar Country:ID
```

	<p>Sponsoring Registrar Phone:622138433507  Sponsoring Registrar Website:domain.go.id  Name Server:NS1 KOMINFO.GO.ID  Name Server:NS2 KOMINFO.GO.ID  Name Server:NS4 KOMINFO.GO.ID  DNSSEC:Unsigned</p>	
	<p>% Information related to '202.89.116.0 - 202.89.117.255'</p> <p>inetnum: 202.89.116.0 - 202.89.117.255  netname: KOMINFO-ID  descr: Kementerian Komunikasi dan Informasi Republik Indonesia  descr: Government / Direct Member IDNIC  descr: Jl. Medan Merdeka Barat no. 9  descr: Jakarta Pusat, 10110  country: ID  admin-c: RD469-AP  tech-c: RD469-AP  remarks: spam and abuse report : abuse@kominfo.go.id / rade020@kominfo.go.id  mnt-by: MNT-APJII-ID  mnt-routes: MAINT-ID-KOMINFO  mnt-irt: IRT-KOMINFO-ID  status: ASSIGNED PORTABLE  changed: hm-changed@apnic.net 20090330  changed: hostmaster@idnic.net 20160915  source: APNIC</p> <p>irt: IRT-KOMINFO-ID  address: Kementerian Komunikasi dan Informasi Republik Indonesia  address: Jl. Medan Merdeka Barat no. 9  address: Jakarta Pusat, 10110  e-mail: admin@kominfo.go.id  abuse-mailbox: admin@kominfo.go.id  admin-c: RD469-AP  tech-c: RD469-AP  auth: # Filtered</p> <p>mnt-by: MAINT-ID-KOMINFO  changed: yann001@kominfo.go.id 20120416  changed: hostmaster@idnic.net 20150331  source: APNIC</p> <p>person: Reinaldo Dharma  address: Jl. Medan Merdeka Barat No. 9  address: Jakarta 10110, Indonesia  country: ID  phone: +62-21-3848882  e-mail: admin@kominfo.go.id  nic-hdl: RD469-AP  mnt-by: MAINT-ID-KOMINFO  changed: hostmaster@idnic.net 20150331  fax-no: +62-21-3848882  source: APNIC</p> <p>% Information related to '202.89.116.0/23AS38757'</p> <p>route: 202.89.116.0/23  descr: Route object of Kementerian Komunikasi dan Informasi Republik Indonesia  descr: Government / Direct Member IDNIC  descr: Jakarta  origin: AS38757  country: ID  mnt-by: MAINT-ID-KOMINFO  changed: hostmaster@idnic.net 20130502  changed: hostmaster@idnic.net 20150212  source: APNIC</p> <p>% Information related to '202.89.116.0/23AS45320'</p> <p>route: 202.89.116.0/23  descr: Route object of Kementerian Komunikasi dan Informasi Republik Indonesia  descr: Government / Direct Member IDNIC  descr: Jakarta  origin: AS45320  country: ID  mnt-by: MAINT-ID-KOMINFO  changed: hostmaster@idnic.net 20130502  changed: hostmaster@idnic.net 20150212  source: APNIC</p> <p>% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)</p>	

Dari info di atas diketahui bahwa website tersebut dimiliki oleh kementerian komunikasi dan informasi republik Indonesia yang dibuat pada tanggal 12 juli 2010 , terakhir kali di update pada 12 juni 2016 dan akan expired pada tanggal 31 juli 2018 .

# IP INTERLOKAL

Website Jurnal Otaku : [www.jurnalotaku.com](http://www.jurnalotaku.com)



Pada hasil yang di dapat dari website [www.jurnalotaku.com](http://www.jurnalotaku.com) dapat kita ketahui bahwa hop yang diperlukan untuk mencapai destinasi kurang lebih 11 hops dan direspon rata – rata 19.6 ms dengan respon terlama 264 ms.

```
Tracing route to jurnalotaku.com [128.199.203.6]
over a maximum of 30 hops:

 1  3 ms  2 ms  2 ms  192.168.100.100
 2  5 ms  3 ms  3 ms  36.77.96.1
 3  3 ms  2 ms  3 ms  125.160.0.29
 4  3 ms  3 ms  3 ms  61.94.115.205
 5  17 ms 23 ms 26 ms 110.190.240.180.in-addr.arpa [180.240.190.110]
 6  16 ms 17 ms 17 ms 109.190.240.180.in-addr.arpa [180.240.190.109]
 7  15 ms 16 ms 15 ms 45.204.240.180.in-addr.arpa [180.240.204.45]
 8  14 ms 15 ms 15 ms 73.102.16.103.in-addr.arpa [103.16.102.73]
 9  19 ms 19 ms 19 ms 138.197.250.223
10  18 ms 18 ms 18 ms 6.203.199.128.in-addr.arpa [128.199.203.6]

Trace complete.
```



Pada hasil di atas terdapat 2 ip local yaitu 192.168.100.7 dan 192.168.100.100 yang merupakan IP address dari komputer dan router saya. 9 dari 11 hops tersebut merupakan IP public. IP public tersebut meliputi 36.77.96.1 , 125.160.0.29 , 61.94.115.205 , 180.240.190.110 , 180.240.190.109 , 180.240.204.45 , 103.16.102.73 , 138.197.250.223 , dan 202.89.117.69 .

Results returned from **whois.apnic.net**

% [whois.apnic.net]  
% Whois data copyright terms <http://www.apnic.net/db/copyright.html>

% Information related to '36.77.96.0 - 36.77.111.255'

inetnum: 36.77.96.0 - 36.77.111.255  
netname: TLKM\_BB\_SERVICE\_36\_77\_DIVRE1-2  
descr: PT TELKOM INDONESIA  
Menara Multimedia Lt.7  
Jl. Kebon sirih No.12  
JAKARTA  
country: ID  
admin-c: AZ163-AP  
tech-c: FS370-AP  
status: ALLOCATED NON-PORTABLE  
remarks: These IP was used for PT TELKOM Indonesia's infrastructure  
mnt-by: MAINT-TELKOMNET  
mnt-lower: MAINT-TELKOMNET  
mnt-routes: MAINT-TELKOMNET  
mnt-irt: IRT-IDTELKOM-ID  
changed: hostmaster@telkom.net.id 20121002  
source: APNIC  
  
irt: IRT-IDTELKOM-ID  
address: PT. TELKOM INDONESIA  
address: STO Telkom Gambir 3th Floor  
address: Medan Merdeka Selatan  
address: JAKARTA  
e-mail: abuse@telkom.co.id  
abuse-mailbox: abuse@telkom.co.id  
admin-c: DF99-AP

tech-c: AR165-AP  
auth: # Filtered  
mnt-by: MAINT-TELKOMNET  
changed: abuse@telkom.co.id 20120420  
changed: hm-changed@apnic.net 20120420  
source: APNIC

person: Akhmad Zaimi  
address: GSD Lt.14 Jl. Kebon Sirih No.12  
country: ID  
phone: +62-21-3860500  
e-mail: djimie@telkom.co.id  
nic-hdl: AZ163-AP  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20101220  
source: APNIC

person: Febrian Setiadi  
address: GSD Lt.14 Jl. Kebon Sirih No.12  
country: ID  
phone: +62-21-3860500  
e-mail: febrian.setiadi@telkom.co.id  
nic-hdl: FS370-AP  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20101220  
source: APNIC

% Information related to '36.77.96.0/20AS17974'

route: 36.77.96.0/20  
descr: PT. TELKOM INDONESIA  
descr: JAKARTA  
country: ID  
origin: AS17974  
mnt-by: MAINT-TELKOMNET  
changed: djimie@telin.co.id 20150527  
source: APNIC

Traceroute, Ping, Domai × +  
network-tools.com/default.asp?prog=express&host=125.160.0.29

Results returned from **whois.apnic.net**  
% [whois.apnic.net]  
% Whois data copyright terms <http://www.apnic.net/db/dbcopyright.html>

% Information related to '125.160.0.0 - 125.160.31.255'

inetnum: 125.160.0.0 - 125.160.31.255  
netname: TLKM\_BB\_INF\_125\_160  
country: ID  
descr: PT TELKOM INDONESIA  
descr: Menara Multimedia Lt. 7  
descr: Jl. Kebonsirih No.12  
descr: JAKARTA  
admin-c: AR165-AP  
tech-c: HM444-AP  
remarks: -----  
remarks: These IP was used for PT TELKOM Indonesia's Infrastructure.  
remarks: -----  
status: ASSIGNED NON-PORTABLE  
changed: hostmaster@telkom.net.id 20090212  
mnt-by: MAINT-TELKOMNET  
source: APNIC  
mnt-by: MAINT-TELKOMNET

role: PT Telkom Indonesia APNIC Resources Management  
address: PT. TELKOM INDONESIA  
address: Menara Multimedia Lt. 7  
address: Jl. Kebonsirih No.12  
address: JAKARTA  
country: ID  
phone: +62-21-3860500  
fax-no: +62-21-3861215  
e-mail: ip-admin@telkom.net.id  
admin-c: HM444-AP  
tech-c: HM444-AP  
nic-hdl: AR165-AP  
notify: hostmaster@telkom.net.id  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20060105  
source: APNIC

person: PT Telkom Indonesia Hostmaster  
nic-hdl: HM444-AP  
e-mail: hostmaster@telkom.net.id  
address: PT. TELKOM INDONESIA  
address: Menara Multimedia Lt. 7  
address: Jl. Kebonsirih No.12  
address: JAKARTA  
phone: +62-21-3860500  
fax-no: +62-21-3861215  
country: ID  
notify: hostmaster@telkom.net.id  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20060105  
source: APNIC

% Information related to '125.160.0.0/24AS17974'

route: 125.160.0.0/24  
descr: PT. TELKOM INDONESIA  
descr: Menara Multimedia Lt. 7  
descr: Jl. Kebonsirih No.12  
descr: JAKARTA  
country: ID  
origin: AS17974  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20090319  
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)

Results returned from **whois.apnic.net**

% [whois.apnic.net]

% Whois data copyright terms <http://www.apnic.net/db/dbcopyright.html>

% Information related to '61.94.0.0 - 61.94.255.255'

inetnum: 61.94.0.0 - 61.94.255.255  
netname: TELKOMNET  
descr: PT. Telekomunikasi Indonesia  
descr: Jl. Japati No.1 3rd Floor Bandung Indonesia  
country: ID  
admin-c: MFAM1-AP  
tech-c: MFAM1-AP  
tech-c: FS370-AP  
mnt-by: APNIC-HM  
mnt-lower: MAINT-TELKOMNET  
mnt-routes: MAINT-TELKOMNET  
mnt-irt: IRT-IDTELKOM-ID  
status: ALLOCATED PORTABLE  
remarks: For SPAM or ABUSE case, send to abuse@telkom.net.id  
remarks: -+-----+  
remarks: This object can only be modified by APNIC hostmaster  
remarks: If you wish to modify this object details please  
remarks: send email to hostmaster@apnic.net with your organisation  
remarks: account name in the subject line.  
remarks: -+-----+  
changed: hm-changed@apnic.net 20020111  
changed: hm-changed@apnic.net 20050809  
changed: hm-changed@apnic.net 20051223  
changed: hm-changed@apnic.net 20130111  
source: APNIC

irt: IRT-IDTELKOM-ID  
address: PT. TELKOM INDONESIA  
address: STO Telkom Gambir 3th Floor  
address: Medan Merdeka Selatan  
address: JAKARTA  
e-mail: abuse@telkom.co.id  
abuse-mailbox: abuse@telkom.co.id  
admin-c: DF99-AP  
tech-c: AR165-AP  
auth: # Filtered  
mnt-by: MAINT-TELKOMNET  
changed: abuse@telkom.co.id 20120420  
changed: hm-changed@apnic.net 20120420  
source: APNIC

person: Febrian Setiadi  
address: GSD Lt 14 Jl. Kebon Sirih No.12  
country: ID  
phone: +62-21-3860500  
e-mail: febrian.setiadi@telkom.co.id  
nic-hdl: FS370-AP  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20101220  
source: APNIC

```

person: Mohamad Fajar Aditya Masyhur
address: Graha Citra Caraka 4th Floor
        Jakarta Selatan
country: ID
phone: +62215215375
e-mail: aditya_mh@telkom.co.id
nic-hdl: MFAM1-AP
remarks: IP Maintainer
abuse-mailbox: abuse@telkom.net.id
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20130226
source: APNIC

% Information related to '61.94.115.0/24AS17974'

route: 61.94.115.0/24
descr: PT. TELKOM INDONESIA
descr: Menara Multimedia LL 7
descr: Jl. Kebonsirih No.12
descr: JAKARTA
country: ID
origin: AS17974
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20130612
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)

```

Di ketahui bahwa ip address 36.77.96.1 , 125.160.0.29 dan 61.94.115.205 merupakan sebuah jaringan provider dari PT.TELKOM INDONESIA.

```

Results returned from whois.apnic.net
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/dbcopyright.html

% Information related to '180.240.190.0 - 180.240.190.255'

inetnum: 180.240.190.0 - 180.240.190.255
netname: TELIN-NET-SG
descr: TELIN-NET-SG-IP-PTP
country: SG
admin-c: TIIP1-AP
tech-c: TIIP1-AP
status: ALLOCATED NON-PORTABLE
mnt-by: MAINT-TELIN-NET-SG
mnt-irt: IRT-TELIN-NET-SG
changed: sendang@telin.sg 20111123
source: APNIC

irt: IRT-TELIN-NET-SG
address: 30 CHANGI NORTH WAY SINGAPORE
e-mail: abuse@telin.sg
abuse-mailbox: abuse@telin.sg
admin-c: TIIP1-AP
tech-c: TIIP1-AP
auth: # Filtered
mnt-by: MAINT-TELIN-NET-SG
changed: ryan.chiew@telin.sg 20150820
source: APNIC

role: TELEKOMUNIKASI INDONESIA INTERNATIONAL PTE LTD
address: 30 CHANGI NORTH WAY SINGAPORE
country: SG
phone: +65 6542-1930
fax-no: +65 6542-9189
e-mail: support@telin.sg
admin-c: TIIP1-AP
tech-c: TIIP1-AP
nic-hdl: TIIP1-AP
mnt-by: MAINT-TELIN-NET-SG
changed: freddi@telin.sg 20131104
source: APNIC

% Information related to '180.240.128.0/17AS56308'

route: 180.240.128.0/17
descr: TELIN-NET-SG
origin: AS56308
mnt-lower: MAINT-TELIN-NET-SG
mnt-routes: MAINT-TELIN-NET-SG
mnt-by: MAINT-TELIN-NET-SG
changed: sendang@telin.sg 20120417
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)

```



Di ketahui bahwa ip address 180.240.190.110 dan 180.240.190.109 merupakan sebuah jaringan bernetname TELIN-NET dari Singapura yang berperan sebagai TELEKOMUNIKASI INDONESIA INTRENASIONAL PTE LTD

```
Results returned from whois.apnic.net
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/dbcopyright.html

% Information related to '180.240.128.0 - 180.240.255.255'

inetnum: 180.240.128.0 - 180.240.255.255
netname: TELIN-NET-SG
descr: 1 MARITIME SQUARE
descr: #09-03 HARBOURFRONT CENTRE
country: SG
admin-c: TIIP1-AP
tech-c: TIIP1-AP
status: ALLOCATED PORTABLE
mnt-by: APNIC-HM
mnt-lower: MAINT-TELIN-NET-SG
mnt-routes: MAINT-TELIN-NET-SG
mnt-irt: IRT-TELIN-NET-SG
remarks: -----
remarks: To report network abuse, please contact mnt-irt
remarks: For troubleshooting, please contact tech-c and admin-c
remarks: Report invalid contact via www.apnic.net/invalidcontact
remarks: -----
changed: hm-changed@apnic.net 201110831
source: APNIC

irt: IRT-TELIN-NET-SG
address: 30 CHANGI NORTH WAY SINGAPORE
e-mail: abuse@telin.sg
abuse-mailbox: abuse@telin.sg
admin-c: TIIP1-AP
tech-c: TIIP1-AP
auth: # Filtered
mnt-by: MAINT-TELIN-NET-SG
changed: ryan.chiew@telin.sg 20150820
source: APNIC

role: TELEKOMUNIKASI INDONESIA INTERNATIONAL PTE LTD
address: 30 CHANGI NORTH WAY SINGAPORE
country: SG
phone: +65 6542-1930
fax-no: +65 6542-9169
e-mail: support@telin.sg
admin-c: TIIP1-AP
tech-c: TIIP1-AP
nic-hdl: TIIP1-AP
mnt-by: MAINT-TELIN-NET-SG
changed: freddi@telin.sg 20131104
source: APNIC

% Information related to '180.240.128.0/17AS56308'

route: 180.240.128.0/17
descr: TELIN-NET-SG
origin: AS56308
mnt-lower: MAINT-TELIN-NET-SG
mnt-routes: MAINT-TELIN-NET-SG
mnt-by: MAINT-TELIN-NET-SG
changed: sendang@telin.sg 20120417
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)
```

Di ketahui bahwa ip address 180.240.204.45 merupakan sebuah jaringan bernetname TELIN-NET dari Singapura yang berperan sebagai TELEKOMUNIKASI INDONESIA INTRENASIONAL PTE LTD tetapi yang berada di MARITIME SQUARE

```
Results returned from whois.apnic.net
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/dbcopyright.html

% Information related to '103.16.102.0 - 103.16.103.255'

inetnum: 103.16.102.0 - 103.16.103.255
netname: SGIX
descr: Singapore Internet Exchange Limited
descr: 10 Collyer Quay
descr: 10-01 Ocean Financial Centre
descr: Singapore 049315
country: SG
admin-c: KCS3-AP
tech-c: KCS3-AP
mnt-by: APNIC-HM
mnt-routes: MAINT-SGIX-SG
mnt-irt: IRT-SGIX-SG
status: ASSIGNED PORTABLE
remarks: -----
remarks: To report network abuse, please contact mnt-irt
remarks: For troubleshooting, please contact tech-c and admin-c
remarks: Report invalid contact via www.apnic.net/invalidcontact
remarks: -----
changed: hm-changed@apnic.net 20130206
source: APNIC

irt: IRT-SGIX-SG
address: 10 Collyer Quay, #10-01 Ocean Financial Centre, Singapore 049315
e-mail: notice@sgix.sg
abuse-mailbox: notice@sgix.sg
admin-c: KCS3-AP
tech-c: KCS3-AP
auth: # Filtered
mnt-by: MAINT-SGIX-SG
changed: chunsing.kerk@sgix.sg 20130402
source: APNIC

person: Kerk Chun Sing
address: Singapore Internet Exchange Ltd
address: 10 Collyer Quay
address: #10-01 Ocean Financial Centre
address: Singapore 049315
country: SG
phone: +65-6210 4314
e-mail: notice@sgix.sg
nic-hdl: KCS3-AP
mnt-by: MAINT-SGIX-SG
changed: chunsing.kerk@sgix.sg 20130402
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)
```

IP Di ketahui bahwa IP address dari 103.16.102.73 yang memiliki netname SGIX adalah milik dari Singapore internet Exchange Limited yang melakukan perpindahan jaringan dari TELIN-NET SG menuju DIGITAL OCEAN.

```
Network IP address lookup:
Whois query for 138.197.250.223 ...
Results returned from whois.arin.net
#
# ARIN WHOIS data and services are subject to the Terms of Use
# available at: https://www.arin.net/whois_tou.html
#
# If you see inaccuracies in the results, please report at
# https://www.arin.net/public/whoisinaccuracy/index.xhtml
#
#
# The following results may also be obtained via:
# https://whois.arin.net/rest/nets?q=138.197.250.223?
# showDetails=true&showARIN=false&showNonArinTopLevelNet=false&ext=netref2
#
NetRange: 138.197.0.0 - 138.197.255.255
CIDR: 138.197.0.0/16
NetName: DIGITALOCEAN-16
NetHandle: NET-138-197-0-0-1
Parent: NET138 (NET-138-0-0-0)
NetType: Direct Allocation
OriginAS:
Organization: Digital Ocean, Inc. (DO-13)
RegDate: 2016-01-26
Updated: 2016-04-12
Ref: https://whois.arin.net/rest/net/NET-138-197-0-0-1

OrgName: Digital Ocean, Inc.
OrgId: DO-13
Address: 101 Ave of the Americas
Address: 10th Floor
City: New York
StateProv: NY
PostalCode: 10013
Country: US
RegDate: 2012-05-14
Updated: 2017-01-28
Comment: http://www.digitalocean.com
Comment: Simple Cloud Hosting
Ref: https://whois.arin.net/rest/org/DO-13

OrgAbuseHandle: ABUSE5232-ARIN
OrgAbuseName: Abuse, DigitalOcean
OrgAbusePhone: +1-347-875-6044
OrgAbuseEmail: abuse@digitalocean.com
OrgAbuseRef: https://whois.arin.net/rest/poc/ABUSE5232-ARIN

OrgNOCHandle: NOC32014-ARIN
OrgNOCHandle: Network Operations Center
OrgNOCHandle: +1-347-875-6044
OrgNOCHandle: noc@digitalocean.com
OrgNOCHandle: https://whois.arin.net/rest/poc/NOC32014-ARIN

OrgTechHandle: NOC32014-ARIN
OrgTechName: Network Operations Center
OrgTechPhone: +1-347-875-6044
OrgTechEmail: noc@digitalocean.com
OrgTechRef: https://whois.arin.net/rest/poc/NOC32014-ARIN
```

Di ketahui bahwa ip address 138.197.250.223 merupakan sebuah jaringan yang bernama DIGITAL OCEAN yang berada di NEW YORK dan merupakan sebuah Cloud Hosting

```
Results returned from whois.ripe.net
% This is the RIPE Database query service.
% The objects are in RPSL format.
%
% The RIPE Database is subject to Terms and Conditions.
% See http://www.ripe.net/db/support/db-terms-conditions.pdf

% Information related to '128.199.0.0 - 128.199.255.255'

% Abuse contact for '128.199.0.0 - 128.199.255.255' is 'abuse@digitalocean.com'

inetnum: 128.199.0.0 - 128.199.255.255
netname: DOPI1
descr: DigitalOcean Cloud
country: SG
admin-c: BU332-RIPE
tech-c: BU332-RIPE
status: LEGACY
remarks: For information on "status:" attribute read https://www.ripe.net/data-tools/db/faq/faq-status-values-legacy-resources
mnt-by: digitalocean
mnt-domains: digitalocean
mnt-routes: digitalocean
created: 2004-07-20T10:29:14Z
last-modified: 2015-05-05T01:52:51Z
source: RIPE
org: ORG-DOI2-RIPE

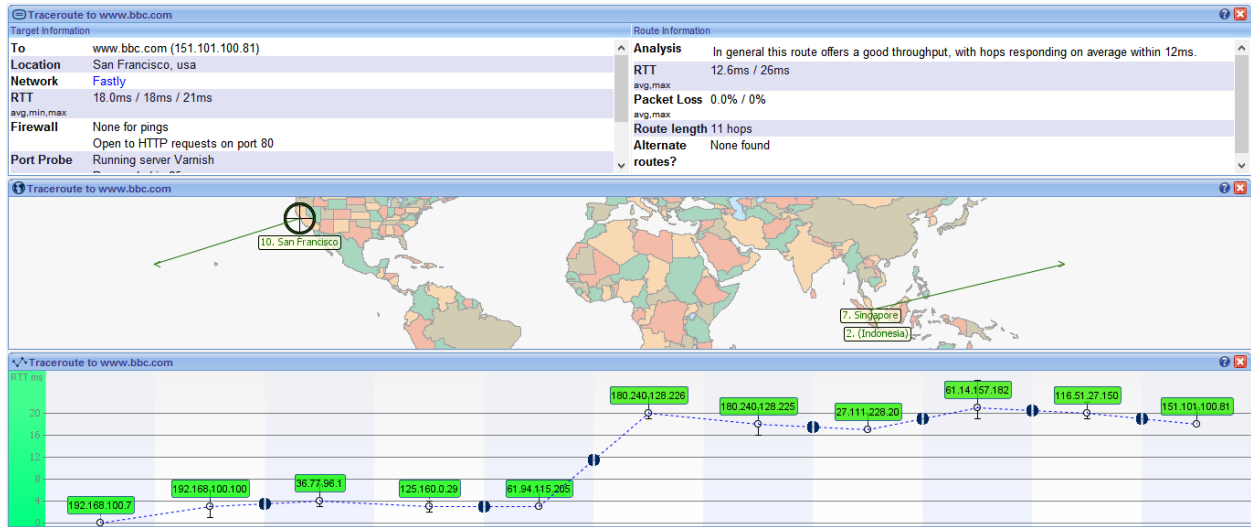
organisation: ORG-DOI2-RIPE
org-name: Digital Ocean, Inc.
org-type: LIR
address: 101 Ave of the Americas
10th Floor
address: New York
address: 10013
address: UNITED STATES
phone: +1 888 890 6714
mnt-ref: digitalocean
mnt-ref: RIPE-NCC-HM-MINT
mnt-by: RIPE-NCC-HM-MINT
abuse-mailbox: abuse@digitalocean.com
abuse-c: AD10778-RIPE
e-mail: noc@digitalocean.com
notify: abuse@digitalocean.com
created: 2012-11-29T14:59:01Z
last-modified: 2015-11-19T16:11:55Z
source: RIPE

person: Ben Uretsky
address: 101 Ave of the Americas, 10th Floor
address: New York, NY 10013
phone: +16463978051
e-mail: abuse@digitalocean.com
nic-hdl: BU332-RIPE
mnt-by: digitalocean
created: 2012-12-21T18:34:57Z
last-modified: 2014-09-03T16:32:57Z
source: RIPE

% This query was served by the RIPE Database Query Service version 1.88 (ANGUS)
```

Di ketahui bahwa ip address 128.199.203.6 merupakan sebuah Cloud dari jaringan DigitalOcean yang digunakan [www.jurnalotaku.com](http://www.jurnalotaku.com) sebagai servernya.

Website BBC : [www.bbc.com](http://www.bbc.com)



Pada hasil yang di dapat dari website [www.bbc.com](http://www.bbc.com) dapat kita ketahui bahwa hop yang diperlukan untuk mencapai destinasi kurang lebih 11 hops dan direspon rata – rata 12.6 ms dengan respon terlama 26 ms.

```

Tracing route to bbc.com [212.58.246.79]
over a maximum of 30 hops:

  0  0 ms  0 ms  0 ms  192.168.100.1
  1  1 ms  1 ms  1 ms  100.100.168.192.in-addr.arpa [192.168.100.100]
  2  4 ms  3 ms  3 ms  36.77.96.1
  3  4 ms  2 ms  3 ms  29.0.160.125.in-addr.arpa [125.160.0.29]
  4  3 ms  2 ms  2 ms  61.94.115.205
  5  27 ms  21 ms  22 ms  110.190.240.180.in-addr.arpa [180.240.190.110]
  6  18 ms  16 ms  16 ms  109.190.240.180.in-addr.arpa [180.240.190.109]
  7  210 ms  208 ms  209 ms  138.192.240.180.in-addr.arpa [180.240.192.138]
  8  210 ms  208 ms  209 ms  bbc-linx.pr01.thdow.bbc.co.uk [195.66.224.103]
  9  * * * Request timed out.
 10  264 ms  266 ms  266 ms  ae0.er02.cwtf.bbc.co.uk [132.185.254.90]
 11  267 ms  270 ms  269 ms  165.255.185.132.in-addr.arpa [132.185.255.165]
 12  266 ms  269 ms  265 ms  79.246.58.212.in-addr.arpa [212.58.246.79]

Trace complete.
    
```



Pada hasil di atas terdapat 2 ip local yaitu 192.168.100.7 dan 192.168.100.100 yang merupakan IP address dari komputer dan router saya. 9 dari 11 hops tersebut merupakan IP public. IP public tersebut meliputi 36.77.96.1 , 125.160.0.29 , 61.94.115.205 , 180.240.128.226 , 180.240.128.225 , 27.111.228.20 , 61.14.157.182 , 116.51.27.150 , dan 151.101.100.81 .

Results returned from **whois.apnic.net**

% [whois.apnic.net]  
% Whois data copyright terms <http://www.apnic.net/db/copyright.html>

% Information related to '36.77.96.0 - 36.77.111.255'

inetnum: 36.77.96.0 - 36.77.111.255  
netname: TLKM\_BB\_SERVICE\_36\_77\_DIVRE1-2  
descr: PT TELKOM INDONESIA  
Menara Multimedia Lt.7  
Jl. Kebon sirih No.12  
JAKARTA  
country: ID  
admin-c: AZ163-AP  
tech-c: FS370-AP  
status: ALLOCATED NON-PORTABLE  
remarks: These IP was used for PT TELKOM Indonesia's infrastructure  
mnt-by: MAINT-TELKOMNET  
mnt-lower: MAINT-TELKOMNET  
mnt-routes: MAINT-TELKOMNET  
mnt-irt: IRT-IDTELKOM-ID  
changed: hostmaster@telkom.net.id 20121002  
source: APNIC

irt: IRT-IDTELKOM-ID  
address: PT. TELKOM INDONESIA  
address: STO Telkom Gambir 3th Floor  
address: Medan Merdeka Selatan  
address: JAKARTA  
e-mail: abuse@telkom.co.id  
abuse-mailbox: abuse@telkom.co.id  
admin-c: DF99-AP

tech-c: AR165-AP  
auth: # Filtered  
mnt-by: MAINT-TELKOMNET  
changed: abuse@telkom.co.id 20120420  
changed: hm-changed@apnic.net 20120420  
source: APNIC

person: Akhmad Zaimi  
address: GSD Lt.14 Jl. Kebon Sirih No.12  
country: ID  
phone: +62-21-3860500  
e-mail: djimie@telkom.co.id  
nic-hdl: AZ163-AP  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20101220  
source: APNIC

person: Febrian Setiadi  
address: GSD Lt 14 Jl. Kebon Sirih No.12  
country: ID  
phone: +62-21-3860500  
e-mail: febrian.setiadi@telkom.co.id  
nic-hdl: FS370-AP  
mnt-by: MAINT-TELKOMNET  
changed: hostmaster@telkom.net.id 20101220  
source: APNIC

% Information related to '36.77.96.0/20AS17974'

route: 36.77.96.0/20  
descr: PT. TELKOM INDONESIA  
descr: JAKARTA  
country: ID  
origin: AS17974  
mnt-by: MAINT-TELKOMNET  
changed: djimie@telin.co.id 20150527  
source: APNIC

```
Traceroute, Ping, Domai × +
network-tools.com/default.asp?prog=express&host=125.160.0.29

Results returned from whois.apnic.net
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/dbcopyright.html

% Information related to '125.160.0.0 - 125.160.31.255'

inetnum: 125.160.0.0 - 125.160.31.255
netname: TLKM_BB_INF_125_160
country: ID
descr: PT TELKOM INDONESIA
descr: Menara Multimedia Lt. 7
descr: Jl. Kebonsirih No.12
descr: JAKARTA
admin-c: AR165-AP
tech-c: HM444-AP
remarks:
remarks: -----
remarks: These IP was used for PT TELKOM Indonesia's Infrastructure.
remarks: -----
status: ASSIGNED NON-PORTABLE
changed: hostmaster@telkom.net.id 20090212
mnt-by: MAINT-TELKOMNET
source: APNIC
mnt-by: MAINT-TELKOMNET

role: PT Telkom Indonesia APNIC Resources Management
address: PT. TELKOM INDONESIA
address: Menara Multimedia Lt. 7
address: Jl. Kebonsirih No.12
address: JAKARTA
country: ID
phone: +62-21-3860500
fax-no: +62-21-3861215
e-mail: ip-admin@telkom.net.id
admin-c: HM444-AP
tech-c: HM444-AP
nic-hdl: AR165-AP
notify: hostmaster@telkom.net.id
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20060105
source: APNIC

person: PT Telkom Indonesia Hostmaster
nic-hdl: HM444-AP
e-mail: hostmaster@telkom.net.id
address: PT. TELKOM INDONESIA
address: Menara Multimedia Lt. 7
address: Jl. Kebonsirih No.12
address: JAKARTA
phone: +62-21-3860500
fax-no: +62-21-3861215
country: ID
notify: hostmaster@telkom.net.id
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20060105
source: APNIC

% Information related to '125.160.0.0/24AS17974'

route: 125.160.0.0/24
descr: PT. TELKOM INDONESIA
descr: Menara Multimedia Lt. 7
descr: Jl. Kebonsirih No.12
descr: JAKARTA
country: ID
origin: AS17974
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20090319
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)
```

```

Results returned from whois.apnic.net
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/copyright.html

% Information related to '61.94.0.0 - 61.94.255.255'

inetnum: 61.94.0.0 - 61.94.255.255
netname: TELKOMNET
descr: PT. Telekomunikasi Indonesia
descr: Jl. Japati No 1 3rd Floor Bandung Indonesia
country: ID
admin-c: MFAM1-AP
tech-c: MFAM1-AP
tech-c: FS370-AP
mnt-by: APNIC-HM
mnt-lower: MAINT-TELKOMNET
mnt-routes: MAINT-TELKOMNET
mnt-irt: IRT-IDTELKOM-ID
status: ALLOCATED PORTABLE
remarks: For SPAM or ABUSE case, send to abuse@telkom.net.id
remarks: +-----+
remarks: This object can only be modified by APNIC hostmaster
remarks: If you wish to modify this object details please
remarks: send email to hostmaster@apnic.net with your organisation
remarks: account name in the subject line.
remarks: +-----+
changed: hm-changed@apnic.net 20020111
changed: hm-changed@apnic.net 20050809
changed: hm-changed@apnic.net 20051223
changed: hm-changed@apnic.net 20130111
source: APNIC

```

```

irt: IRT-IDTELKOM-ID
address: PT. TELKOM INDONESIA
address: STO Telkom Gambir 3th Floor
address: Medan Merdeka Selatan
address: JAKARTA
e-mail: abuse@telkom.co.id
abuse-mailbox: abuse@telkom.co.id
admin-c: DF99-AP
tech-c: AR165-AP
auth: # Filtered
mnt-by: MAINT-TELKOMNET
changed: abuse@telkom.co.id 20120420
changed: hm-changed@apnic.net 20120420
source: APNIC

```

```

person: Febrian Setiadi
address: GSD Lt 14 Jl. Kebon Sirih No.12
country: ID
phone: +62-21-3860500
e-mail: febrian.setiadi@telkom.co.id
nic-hdl: FS370-AP
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20101220
source: APNIC

```

```

person: Mohamad Fajar Aditya Masyhur
address: Graha Citra Caraka 4th Floor
address: Jakarta Selatan
country: ID
phone: +62215215375
e-mail: aditya_mh@telkom.co.id
nic-hdl: MFAM1-AP
remarks: IP Maintainer
abuse-mailbox: abuse@telkom.net.id
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20130226
source: APNIC

```

```
% Information related to '61.94.115.0/24AS17974'
```

```

route: 61.94.115.0/24
descr: PT. TELKOM INDONESIA
descr: Menara Multimedia LL 7
descr: Jl. Kebonsirih No.12
descr: JAKARTA
country: ID
origin: AS17974
mnt-by: MAINT-TELKOMNET
changed: hostmaster@telkom.net.id 20130612
source: APNIC

```

```
% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)
```

Di ketahui bahwa ip address 36.77.96.1 , 125.160.0.29 dan 61.94.115.205 merupakan sebuah jaringan provider dari PT.TELKOM INDONESIA.



whois databases direct links. IP addresses whois

Americas (ARIN)  
Europe (RIPE)  
Asia-Pacific (APNIC)  
Africa (AfrINIC)  
Latin America/Carib. (LACNIC)  
Subnet Calculator  
Registrars:  
Network Solutions  
Godaddy  
Tucows  
ENOM  
.biz .org  
Country Code (2-letter) domains:  
ae | au | be | br | bs | ca | cl  
co | de | dz | ec | es | hr | hu | id  
io | kr | my | nl | ph | pk | ru  
us | za  
Suggest a Link

Retrieving DNS records for **226.128-240-180.static.telin.sg**...  
Attempt to get a DNS server for **226.128-240-180.static.telin.sg** failed: **226.128-240-180.static.telin.sg**  
does not exist in the DNSWhois query for **telin.sg**...  
Results returned from **whois.nic.net.sg**:

SGNIC WHOIS Server

The following data is provided for information purposes only.

Registrar: WEB COMMERCE COMMUNICATIONS (S) PTE LTD

Domain Name: TELIN.SG  
Creation Date: 11-May-2009 18:08:59  
Modified Date: 12-Apr-2015 01:28:58  
Expiration Date: 11-May-2018 18:08:59  
Domain Status: OK  
Domain Status: CLIENT UPDATE PROHIBITED  
Domain Status: CLIENT TRANSFER PROHIBITED  
Domain Status: CLIENT DELETE PROHIBITED  
Domain Status: VerifiedID@SG-Not Required

Registrant:

Name: SENDANG PRAPTOMO (SGNIC-ORG1354188)

Administrative Contact:

Name: SENDANG PRAPTOMO (SGNIC-ORG1354189)

Technical Contact:

Name: SENDANG PRAPTOMO (SGNIC-ORG1354190)  
Email: sendang@telin.sg

Name Servers:

SECDNS.TELIN.SG (180.240.148.99)  
PRIDNS.TELIN.SG (180.240.138.99)

DNSSEC:

unsigned

Results returned from **whois.apnic.net**:

% [whois.apnic.net]

% Whois data copyright terms <http://www.apnic.net/db/dbcopyright.html>

% Information related to '180.240.128.0 - 180.240.128.255'

inetnum: 180.240.128.0 - 180.240.128.255  
netname: TELIN-NET-SG  
descr: TELIN-NET-SG-IP-PTP  
country: SG  
admin-c: TIIP1-AP  
tech-c: TIIP1-AP  
status: ALLOCATED NON-PORTABLE  
mnt-by: MAINT-TELIN-NET-SG  
mnt-irt: IRT-TELIN-NET-SG  
changed: sendang@telin.sg 20111123  
source: APNIC

irt: IRT-TELIN-NET-SG  
address: 30 CHANGI NORTH WAY SINGAPORE  
e-mail: abuse@telin.sg  
abuse-mailbox: abuse@telin.sg  
admin-c: TIIP1-AP  
tech-c: TIIP1-AP  
auth: # Filtered  
mnt-by: MAINT-TELIN-NET-SG  
changed: ryan.chiew@telin.sg 20150820  
source: APNIC

```

role: TELEKOMUNIKASI INDONESIA INTERNATIONAL PTE LTD
address: 30 CHANGI NORTH WAY SINGAPORE
country: SG
phone: +65 6542-1930
fax-no: +65 6542-9169
e-mail: support@telin.sg
admin-c: TIIP1-AP
tech-c: TIIP1-AP
nic-hd: TIIP1-AP
mnt-by: MAINT-TELIN-NET-SG
changed: freddi@telin.sg 20131104
source: APNIC

% Information related to '180.240.128.0/24AS56308'

route: 180.240.128.0/24
descr: TXNET IP PTP
origin: AS56308
country: SG
mnt-lower: MAINT-TELIN-NET-SG
mnt-routes: MAINT-TELIN-NET-SG
mnt-by: MAINT-TELIN-NET-SG
changed: sendang@telin.sg 20120417
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)

```

Di ketahui bahwa ip address 180.240.128.226 dan 180.240.128.225 merupakan sebuah jaringan bernetname TELIN-NET dari Singapura yang berperan sebagai TELEKOMUNIKASI INDONESIA INTRENASIONAL PTE LTD

```

Retrieving DNS records for 10026.sgw.equinix.com...
Attempt to get a DNS server for 10026.sgw.equinix.com failed: 10026.sgw.equinix.com does not exist in the DNSWhois query for equinix.com...

Results returned from whois.internic.net
Whois Server Version 2.0

Domain names in the .com and .net domains can now be registered
with many different competing registrars. Go to http://www.internic.net
for detailed information.

Domain Name: EQUINIX.COM
Registrar: CSC CORPORATE DOMAINS, INC.
Sponsoring Registrar IANA ID: 299
Whois Server: whois.corporatedomains.com
Referral URL: http://www.cscglobal.com/global/web/csc/digital-brand-services.html
Name Server: CH3LXNSAUTH01.EQUINIX.COM
Name Server: CH3LXNSAUTH02.EQUINIX.COM
Name Server: LD4NSAUTH01.EQUINIX.COM
Name Server: LD4NSAUTH02.EQUINIX.COM
Name Server: SG1NSAUTH01.EQUINIX.COM
Name Server: SG1NSAUTH02.EQUINIX.COM
Name Server: SV2LXNSAUTH01.EQUINIX.COM
Name Server: SV2LXNSAUTH02.EQUINIX.COM
Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited
Status: serverDeleteProhibited https://icann.org/epp#serverDeleteProhibited
Status: serverTransferProhibited https://icann.org/epp#serverTransferProhibited
Status: serverUpdateProhibited https://icann.org/epp#serverUpdateProhibited

Updated Date: 18-aug-2014
Creation Date: 27-aug-1998
Expiration Date: 26-aug-2017

>>> Last update of whois database: Wed, 15 Feb 2017 10:49:26 GMT <<<

```

The Registry database contains ONLY .COM, .NET, .EDU domains and Registrars.  
Results returned from **whois.corporatedomains.com**.  
Domain Name: equinix.com  
Registry Domain ID: 2603897\_DOMAIN\_COM-VRSN  
Registrar WHOIS Server: whois.corporatedomains.com  
Registrar URL: www.cscprotectsbrands.com  
Updated Date: 2016-02-04T14:46:45Z  
Creation Date: 1998-08-27T04:00:00Z  
Registrar Registration Expiration Date: 2017-08-26T04:00:00Z  
Registrar: CSC CORPORATE DOMAINS, INC.  
Registrar IANA ID: 299  
Registrar Abuse Contact Email: domainabuse@cscglobal.com  
Registrar Abuse Contact Phone: +1.8887802723  
Domain Status: serverTransferProhibited <http://www.icann.org/epp#serverTransferProhibited>  
Domain Status: serverDeleteProhibited <http://www.icann.org/epp#serverDeleteProhibited>  
Domain Status: clientTransferProhibited <http://www.icann.org/epp#clientTransferProhibited>  
Domain Status: serverUpdateProhibited <http://www.icann.org/epp#serverUpdateProhibited>  
Registry Registrant ID:  
Registrant Name: Domain Reg  
Registrant Organization: Equinix  
Registrant Street: 301 Velocity Way  
Registrant City: Foster City  
Registrant State/Province: CA  
Registrant Postal Code: 94404  
Registrant Country: US  
Registrant Phone: +1.6505137000  
Registrant Phone Ext:  
-  
Registrant Fax:  
Registrant Fax Ext:  
Registrant Email: domreg-general@equinix.com  
Registry Admin ID:  
Admin Name: Equinix DomReg-Admin  
Admin Organization: Equinix  
Admin Street: 301 Velocity Way  
Admin City: Foster City  
Admin State/Province: CA  
Admin Postal Code: 94404  
Admin Country: US  
Admin Phone: +1.6505137000  
Admin Phone Ext:  
Admin Fax:  
Admin Fax Ext:  
Admin Email: domreg-admin@equinix.com  
Registry Tech ID:  
Tech Name: DomReg- Tech  
Tech Organization: Equinix  
Tech Street: 301 Velocity Way  
Tech City: Foster City  
Tech State/Province: CA  
Tech Postal Code: 94404  
Tech Country: US  
Tech Phone: +1.6505137000  
Tech Phone Ext:  
Tech Fax: +1.6505137000  
Tech Fax Ext:  
Tech Email: domreg-tech@equinix.com  
Name Server: ch3lxnsauth02.equinix.com  
Name Server: id4nsauth02.equinix.com  
Name Server: sv2lxnsauth01.equinix.com  
Name Server: sg1nsauth02.equinix.com  
Name Server: id4nsauth01.equinix.com  
Name Server: sv2lxnsauth02.equinix.com  
Name Server: sg1nsauth01.equinix.com  
Name Server: ch3lxnsauth01.equinix.com  
DNSSEC: unsigned  
URL of the ICANN WHOIS Data Problem Reporting System: <http://wdprs.internic.net/>  
>>> Last update of WHOIS database: 2016-02-04T14:46:45Z <<<

```

Results returned from whois.apnic.net
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/dbcopyright.html

% Information related to '27.111.224.0 - 27.111.239.255'

inetnum: 27.111.224.0 - 27.111.239.255
netname: EQUINIX-AP
descr: Equinix Singapore
country: SG
admin-c: NAR01-AP
tech-c: NAR01-AP
mnt-by: APNIC-HM
mnt-lower: MAINT-EQUINIX-AP
mnt-routes: MAINT-EQUINIX-AP
mnt-irt: IRT-EQUINIX-AP
status: ALLOCATED PORTABLE
remarks: -----
remarks: To report network abuse, please contact mnt-irt
remarks: For troubleshooting, please contact tech-c and admin-c
remarks: Report invalid contact via www.apnic.net/invalidcontact
remarks: -----
changed: hm-changed@apnic.net 20160518
source: APNIC

irt: IRT-EQUINIX-AP
address: 20 Ayer Rajah Crescent
address: #05-05/08
address: Singapore 139964
e-mail: net-support@ap.equinix.com
abuse-mailbox: abuse@ap.equinix.com
admin-c: NAR01-AP
tech-c: NAR01-AP
auth: # Filtered
mnt-by: MAINT-AP-9989
changed: vjays@ap.equinix.com 20101112
source: APNIC

role: NETWORK ADMINISTRATION ROLE OBJECT
address: 20 Ayer Rajah Crescent
address: #05-05/08
address: Singapore 139964
country: SG
phone: +65 7238833
fax-no: +65 8202006
e-mail: net@ap.equinix.com
remarks: send abuse reports to abuse@ap.equinix.com
admin-c: JC809-AP
tech-c: JC809-AP
nic-hdl: NAR01-AP
notify: jacky.chua@ap.equinix.com
changed: jacky.chua@ap.equinix.com 20030916
changed: hm-changed@apnic.net 20111114
mnt-by: MAINT-AP-9989
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)

```

Di ketahui bahwa ip address 27.111.228.20 merupakan sebuah jaringan administrasi peran objek yang berada di singapura dan beralamatkan [www.equinix.com](http://www.equinix.com) .

<ul style="list-style-type: none"> <li>Europe (RIPE)</li> <li>Asia-Pacific (APNIC)</li> <li>Africa (AFRINIC)</li> <li>Latin America/Carib. (LACNIC)</li> <li>Subnet Calculator</li> <li>Registrars:</li> <li>Network Solutions</li> <li>Godaddy</li> <li>Tucows</li> <li>ENOM</li> <li>.biz .org</li> <li>Country Code (2-letter) domains:</li> <li>ae   au   be   br   bs   ca   cl</li> <li>co   de   dz   ec   es   hr   hu   id</li> <li>io   kr   my   nl   ph   pk   ru</li> <li>us   za</li> <li>Suggest a Link</li> </ul>	<pre> Retrieving DNS records for ae2-0.gw2.sin0.10026.telstraglobal.net . Attempt to get a DNS server for ae2-0.gw2.sin0.10026.telstraglobal.net failed: ae2-0.gw2.sin0.10026.telstraglobal.net does not exist in the DNSWhois query for telstraglobal.net...  Results returned from whois.internic.net Whois Server Version 2.0  Domain names in the .com and .net domains can now be registered with many different competing registrars. Go to http://www.internic.net for detailed information.  Domain Name: TELSTRAGLOBAL.NET Registrar: CSC CORPORATE DOMAINS, INC. Sponsoring Registrar IANA ID: 299 Whois Server: whois.corporatedomains.com Referral URL: http://www.cscglobal.com/global/web/csc/digital-brand-services.html Name Server: NS03.TELSTRAGLOBAL.NET Name Server: NS04.TELSTRAGLOBAL.NET Status: clientTransferProhibited https://icann.org/epp#clientTransferProhibited Updated Date: 19-jan-2017 Creation Date: 23-feb-2012 Expiration Date: 23-feb-2018 </pre>
---	--

The Registry database contains ONLY .COM, .NET, .EDU domains and Registrars.

Results returned from **whois.corporatedomains.com**

Domain Name: telstraglobal.net  
 Registry Domain ID: 1703549497\_DOMAIN\_NET-VRSN  
 Registrar WHOIS Server: whois.corporatedomains.com  
 Registrar URL: www.cscprotectsbrands.com  
 Updated Date: 2017-01-19T13:21:16Z  
 Creation Date: 2012-02-23T00:10:18Z  
 Registrar Registration Expiration Date: 2018-02-23T00:10:18Z  
 Registrar: CSC CORPORATE DOMAINS, INC.  
 Registrar IANA ID: 299  
 Registrar Abuse Contact Email: domainabuse@cscglobal.com  
 Registrar Abuse Contact Phone: +1.8887802723  
 Domain Status: clientTransferProhibited http://www.icann.org/epp#clientTransferProhibited  
 Registry Registrant ID:  
 Registrant Name: Domains Administrator  
 Registrant Organization: Telstra Corporation Ltd  
 Registrant Street: L11, 242 Exhibition St  
 Registrant City: Melbourne  
 Registrant State/Province: VIC  
 Registrant Postal Code: 3000  
 Registrant Country: AU  
 Registrant Phone: +61.3883084046  
 Registrant Phone Ext:  
 Registrant Fax: +61.3883084046  
 Registrant Fax Ext:  
 Registrant Email: corpdomains@team.telstra.com  
 Registry Admin ID:

Admin Name: Domains Administrator  
 Admin Organization: Telstra Corporation Ltd  
 Admin Street: L11, 242 Exhibition St  
 Admin City: Melbourne  
 Admin State/Province: VIC  
 Admin Postal Code: 3000  
 Admin Country: AU  
 Admin Phone: +61.3883084046  
 Admin Phone Ext:  
 Admin Fax: +61.3883084046  
 Admin Fax Ext:  
 Admin Email: corpdomains@team.telstra.com  
 Registry Tech ID:  
 Tech Name: Domains Administrator  
 Tech Organization: Telstra Corporation Ltd  
 Tech Street: L11, 242 Exhibition St  
 Tech City: Melbourne  
 Tech State/Province: VIC  
 Tech Postal Code: 3000  
 Tech Country: AU  
 Tech Phone: +61.3883084046  
 Tech Phone Ext:  
 Tech Fax: +61.3883084046  
 Tech Fax Ext:  
 Tech Email: corpdomains@team.telstra.com  
 Name Server: ns03.telstraglobal.net  
 Name Server: ns04.telstraglobal.net  
 DNSSEC: unsigned  
 URL of the ICANN WHOIS Data Problem Reporting System: http://wdprs.internic.net/  
 >>> Last update of WHOIS database: 2017-01-19T13:21:16Z <<<

Results returned from **whois.apnic.net**

% [whois.apnic.net]  
 % Whois data copyright terms http://www.apnic.net/db/copyright.html

% Information related to '61.14.128.0 - 61.14.191.255'

inetnum: 61.14.128.0 - 61.14.191.255  
 netname: ANC-NETBLK04  
 descr: Pacnet Services (Japan) Corp.  
 descr: Internet Service Provider  
 country: JP  
 admin-c: AN155-AP  
 tech-c: AN155-AP  
 status: ALLOCATED PORTABLE  
 mnt-by: APNIC-HM  
 mnt-lower: MAINT-AP-ANC  
 mnt-irt: IRT-PACNET-JP  
 remarks: -+-----+  
 remarks: This object can only be updated by APNIC hostmasters.  
 remarks: To update this object, please contact APNIC  
 remarks: hostmasters and include your organisation's account  
 remarks: name in the subject line.  
 remarks: -+-----+  
 changed: hm-changed@apnic.net  
 changed: hm-changed@apnic.net 20110302  
 source: APNIC

```

irt: IRT-PACNET-JP
address: 2-5-1 Atago, Minato-ku, Tokyo
e-mail: ipNOC@team.telstra.com
abuse-mailbox: ipNOC@team.telstra.com
admin-c: AN155-AP
tech-c: AN155-AP
auth: # Filtered
mnt-by: MAINT-AP-ANC
changed: abuse@pacnet.net 20140718
source: APNIC

person: Asia Netcom NIC Handler
nic-hdl: AN155-AP
e-mail: ipnoc@team.telstra.com
address: 2-5-1 Atago, Minato-ku,
address: Tokyo 105-6224 Japan
phone: +81-3-6430-1500
fax-no: +81-3-6408-1501
country: JP
remarks: For SPAM/ABUSE Issue: ipnoc@team.telstra.com
remarks: For Network Related Issue: ipnoc@team.telstra.com
changed: ipnoc@team.telstra.com 20161115
mnt-by: MAINT-AP-ANC
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)

```

Di ketahui bahwa ip address 61.14.157.182 merupakan sebuah jaringan yang bernama TELSTRA GLOBAL dari TELSTRA CORPORATION LTD yang berada di JEPANG dan beralamatkan telstraglobal.net.

```

Results returned from whois.apnic.net
% [whois.apnic.net]
% Whois data copyright terms http://www.apnic.net/db/dbcopyright.html

% Information related to '116.51.0.0 - 116.51.255.255'

inetnum: 116.51.0.0 - 116.51.255.255
netname: NTT-SGP-AP
descr: NTT Singapore Pte Ltd
country: SG
admin-c: IE11-AP
tech-c: IE11-AP
status: ALLOCATED PORTABLE
mnt-by: APNIC-HM
mnt-lower: MAINT-SG-NTTS
remarks: -----
remarks: To report network abuse, please contact mnt-irt
remarks: For troubleshooting, please contact tech-c and admin-c
remarks: Report invalid contact via www.apnic.net/invalidcontact
remarks: -----
mnt-irt: IRT-NTT-SG
changed: hm-changed@apnic.net 20070323
source: APNIC

```

```

irt: IRT-NTT-SG
address: NTT SINGAPORE PTE LTD
address: 20 CECIL STREET, EQUITY PLAZA
address: LEVEL 11, SINGAPORE 049705
e-mail: abuse@ntt.com.sg
abuse-mailbox: abuse@ntt.com.sg
admin-c: NTTTS11-AP
tech-c: NTTTS11-AP
auth: # Filtered
mnt-by: MAINT-NTTS-HOSTMASTER
changed: abuse@ntt.com.sg 20110214
source: APNIC

```

```

person: IP ENGINEERING - AS17645
nic-hdl: IE11-AP
e-mail: ip-eng@ntt.com.sg
address: A NTT Communications Group Company
address: NTT Singapore Pte Ltd
address: 20 Cecil Street
address: Equity Plaza, #11-03/06
address: Singapore 049705
phone: +65 6438-3101
fax-no: +65 6438-3102
country: SG
remarks: Spam and Security Issues: abuse@ntt.com.sg
remarks: Network Issues : noc@ntt.com.sg
remarks: For routing information,
remarks: Please refer to RADB or
remarks: NTT Communications Routing Registry (NTTCOM)
remarks: *****
remarks: Contacts per RFC2142
remarks: *****
changed: ip-eng@ntt.com.sg 20060906
mnt-by: MAINT-SG-NTTS
source: APNIC

% This query was served by the APNIC Whois Service version 1.69.1-APNICv1r0 (UNDEFINED)

```

Di ketahui bahwa ip address 116.51.27.150 merupakan sebuah jaringan bernama NTT SINGAPORE .

whois databases direct links. IP addresses Whois:  
Americas (ARIN)  
Europe (RIPE)  
Asia-Pacific (APNIC)  
Africa (AfrINIC)  
Latin America/Carib. (LACNIC)  
Subnet Calculator  
Registrars:  
Network Solutions  
Godaddy  
Tucows  
ENOM  
biz.org  
Country Code (2-letter) domains:  
.ae | .au | .be | .br | .bs | .ca | .cl  
.co | .de | .dz | .ec | .es | .hr | .hu | .id  
.io | .kr | .my | .nl | .ph | .pk | .ru  
.us | .za  
Suggest a Link

```

Network IP address lookup:
Whois query for 151.101.100.81...
Results returned from whois.arin.net
#
# ARIN WHOIS data and services are subject to the Terms of Use
# available at: https://www.arin.net/whois_tou.html
#
# If you see inaccuracies in the results, please report at
# https://www.arin.net/public/whoisinaccuracy/index.xhtml
#
#
# The following results may also be obtained via:
# https://whois.arin.net/rest/nets;q=151.101.100.81?
showDetails=true&showARIN=false&showNonArinTopLevelNet=false&ext=netref2
#
NetRange: 151.101.0.0 - 151.101.255.255
CIDR: 151.101.0.0/16
NetName: SKYCA-3
NetHandle: NET-151-101-0-0-1
Parent: RIPE-ERX-151 (NET-151-0-0-0-0)
NetType: Direct Assignment
OriginAS:
Organization: Fastly (SKYCA-3)
RegDate: 2016-02-01
Updated: 2016-02-01
Ref: https://whois.arin.net/rest/net/NET-151-101-0-0-1

```

```

OrgName: Fastly
OrgId: SKYCA-3
Address: PO Box 78266
City: San Francisco
StateProv: CA
PostalCode: 94107
Country: US
RegDate: 2011-09-16
Updated: 2015-09-16
Ref: https://whois.arin.net/rest/org/SKYCA-3

OrgTechHandle: FRA19-ARIN
OrgTechName: Fastly RIR Administrator
OrgTechPhone: +1-415-404-9374
OrgTechEmail: nir-admin@fastly.com
OrgTechRef: https://whois.arin.net/rest/poc/FRA19-ARIN

OrgAbuseHandle: ABUSE4771-ARIN
OrgAbuseName: Abuse Account
OrgAbusePhone: +1-415-496-9353
OrgAbuseEmail: abuse@fastly.com
OrgAbuseRef: https://whois.arin.net/rest/poc/ABUSE4771-ARIN

```

Di ketahui bahwa ip address 151.101.100.81 merupakan sebuah jaringan server yang di gunakan oleh BBC.