

# KOMUNIKASI DATA DAN JARINGAN KOMPUTER

Analisis isi paket data dari 10 ip address



Disusun Oleh :

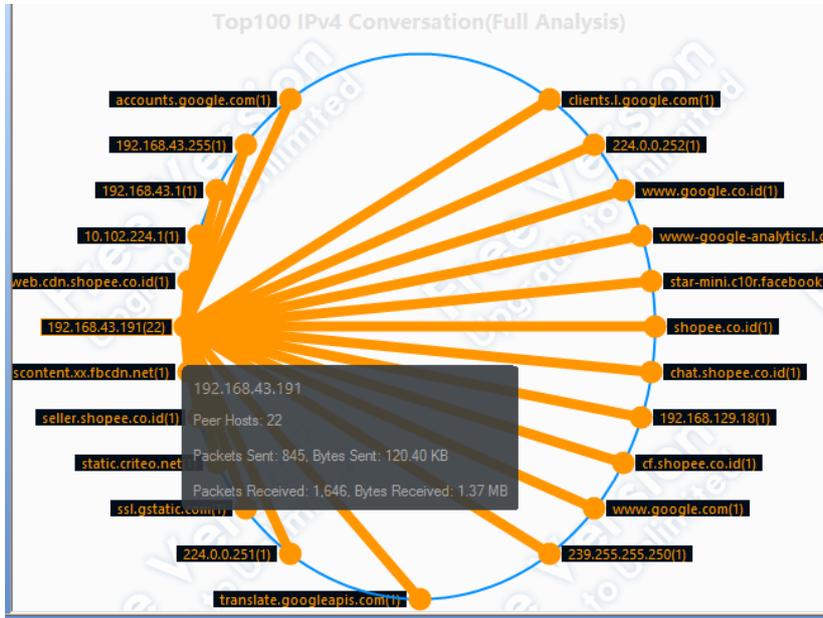
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Dosen Pembimbing  
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Berikut adalah screenshoot dari matrix pada file simpanan dari wireshark yang data data paket dianalisis menggunakan colasoft capsa.



Kita dapat menganalisis isi paket data pada ip conversation pada colasoft capsa seperti gambar dibawah ini:

Node 1 ->	<- Node 2	Duration	Bytes	Bytes ->	<- Bytes	Packets
192.168.43.191	cf.shopee.co.id	00:00:01.047164	44.26 KB	4.34 KB	39.92 KB	126
192.168.43.191	static.criteo.net	00:00:03.633312	11.60 KB	1.78 KB	9.82 KB	35
192.168.43.191	www-google-analyt...	00:00:08.078337	18.91 KB	7.30 KB	11.60 KB	60
192.168.43.191	10.102.224.1	00:00:09.007389	388.00 B	388.00 B	0.00 B	6
192.168.129.18	192.168.43.191	00:00:10.077760	278.00 B	278.00 B	0.00 B	3
192.168.43.191	seller.shopee.co.id	00:00:10.982033	4.14 KB	744.00 B	3.41 KB	15
192.168.43.191	star-mini.c10r.faceb...	00:00:10.925887	5.25 KB	861.00 B	4.41 KB	21
192.168.43.191	web.cdn.shopee.co.id	00:00:10.997209	765.52 KB	33.81 KB	731.71 KB	981
192.168.43.191	chat.shopee.co.id	00:00:11.608083	167.48 KB	6.71 KB	160.77 KB	250
192.168.43.191	scontent.xx.fbcdn.net	00:00:11.641561	14.07 KB	3.18 KB	10.89 KB	46
192.168.43.191	shopee.co.id	00:00:12.020442	161.32 KB	25.97 KB	135.35 KB	303

Beberapa ip yang saya amati paket datanya antara lain:

Pertama, saya menganalisis [Packet Decoding - 192.168.43.191<->172.217.27.106 - Analysis Project 1](#)

Yang berarti paket yang dibawa dari ip kita 192.168.43.191 k

e ip 172.217.27.106 berisi paket data seperti gambar dibawah ini. Yang dapat kita lihat paket tersebut membuka situs translate.googleapis.com.

```
.2.~.. (...4'..E...n;  
@.....+....j.G..~.  
".a..eP...P.....  
.....:.....[V.  
n ....jx....^.R....  
...+./.,.0.....  
...../..5.....  
.....transl  
ate.googleapis.com..  
...#.....  
.....  
.....h2.http/1.  
1.....  
.....
```

Kedua, saya akan mengamati [Packet Decoding - 192.168.43.191<->216.58.203.238 - Analysis Project 1](#)

Dan didapatkan isi paket memasuki alamat clients4.google.com

```
.2.~.. (...4'..E...).@...?...+...:  
...F....a.exJ.P....2.....  
...Yk...*U...Y.....*/z.G!m-.n  
n...+./.,.0...../..5.....d  
.....clients4.google.com...  
.....#.....  
.....h2.http  
/1.1
```

Ketiga, saya mengamati [Packet Decoding - 192.168.43.191<->74.125.130.84 - Analysis Project 1](#)

Dari ip kita menuju ip 74.125.130.84 membawa paket data berisi alamat accounts.google.com

```
.2.~.. (...4'..E...w.@.....+.J}  
.T.I..s..lbr..P....C.....  
.C..s.d..6J0.Y..W..e?.=0.....>.  
... JJ.+./.,.0...../  
.5.....accoun  
ts.google.com.....#.....  
.....  
.....h2.http/1.1uP.....  
....zz...
```

Ke empat, [Packet Decoding - 172.217.27.99<->192.168.43.191 - Analysis Project 1](#)

Yang mendapat isi paket diantaranya adalah android.com

```
Google Inc1.0...U....*.google.com0Y0...*.H.=
....*.H.=...B..X..b8..r...;5..#.7....8...:
.z..J.../wd6Wa.-....pb.....DS.....0...
0...U.%..0...+.....+.....0..{..U.....r
0..n..*.google.com..*.android.com..*.appengi
ne.google.com..*.cloud.google.com..*.gcp.gvt
2.com..*.google-analytics.com..*.google.ca..
*.google.cl..*.google.co.in..*.google.co.jp.
*.google.co.uk..*.google.com.ar..*.google.c
om.au..*.google.com.br..*.google.com.co..*.g
oogle.com.mx..*.google.com.tr..*.google.com.
vn..*.google.de..*.google.es..*.google.fr..*
.google.hu..*.google.it..*.google.nl..*.goog
le.pl..*.google.pt..*.googleadapis.com..*.go
ogleapis.cn..*.googlecommerce.com..*.googlev
ideo.com..*.gstatic.cn..*.gstatic.com..*.gvt
1.com..*.gvt2.com..*.metric.gstatic.com..*.u
rchin.com..*.url.google.com..*.youtube-nocoo
kie.com..*.youtube.com..*.youtubeedu
```

Dan masih banyak lainnya.

Kelima, Packet Decoding - 192.168.43.191<->114.125.33.46 - Analysis Project 1

Isi paketnya adalah [www.google.co.id](http://www.google.co.id)

```
.2.~.. (...4'..E...%k@...g..+.J}
!..A... ..bP..P....b.....
....Gy>..{.....L{1{.....3.+..
....+./.,.0...../..5.....a
.....www.google.co.id.....
.....#.....
.....h2.http/1.
1
```

Keenam, Packet Decoding - 192.168.43.191<->74.125.130.102 - Analysis Project 1

Membawa alamat [www.google-analytics.com](http://www.google-analytics.com)

```
.2.~.. (...4'..E...%k@...g..+.J}
.f.a..f...e...P.....
...m.%0Tn....J....%....kv..3C.M
....+./.,.0...../..5.....i
.....www.google-analytics.co
#.....
.....h2
.http/1.1
```

Ketujuh, Packet Decoding - 192.168.43.191<->103.223.1.17 - Analysis Project 1

Berisi alamat seller.shopee.co.id

```
.2.~.. (...4'..E...5.@...n...+.g.  
...j...$Sg...P...U.....  
.>...*..m.....U...P.sq.Y.....  
.....+./.,.0...../5.....d  
.....seller.shopee.co.id.....  
.....#.....  
.....h2.http  
/1.1
```

Kedelapan, Packet Decoding - 192.168.43.191<->31.13.78.35 - Analysis Project 1

Paket menuju 31.13.78.35 berisi alamat [www.facebook.com](http://www.facebook.com)

```
.2.~.. (...4'..E...W @...Im..+...  
N#.k..Hq.$b.c)P...XE.....  
.3x.~j7.....>..".J.....gXR..z.  
(...+./.,.0...../5.....a  
.....www.facebook.com.....  
.....#.....  
.....h2.http/1.  
1
```

Kesembilan, Packet Decoding - 192.168.43.191<->103.223.1.47 - Analysis Project 1

Paket ke ip ini berisi cdn.shopee.co.id

```
.2.~.. (...4'..E...1.@...s...+.g.  
./f.....g7F4P...l.....  
...D!p.{.....X..'P....._s+  
.....+./.,.0...../5.....a  
.....cdn.shopee.co.id.....  
.....#.....  
.....h2.http/1.  
1
```

Ke sepuluh dan terakhir Packet Decoding - 192.168.43.191<->182.161.72.74 - Analysis Project 1

Paket membawa alamat static.criteo.net

```
.2.~.. (...4'..E...~.@.....+...  
HJ.i..Q...e".P...b.....  
..._G.....7(..Q...Yc.....b.y  
.....+./.,.0...../5.....b  
.....static.criteo.net.....  
.....#.....  
.....h2.http/1  
.1
```