

# Email Header Analysis 2

By:

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## Overview

The email was sent to Olaitan Oladapo on Thu, 15 Aug 2024 with timestamp 06:47:33 -0700 (PDT). The attacker used a personalized email domain. The attacker's technique is phishing and social engineering to request for 1.3426 BTC worth \$890707.77 using a shared link to collect the Bitcoin which is linked with the email address of the receiver.

The link is found below:

[https://translate.google.com/translate?sl=3Dauto&tl=3Den&hl=3Den&u=3D4a6688=4dbc.nxcli.io/temp/user/login.php?click=3Dm\\_news\\_0057\\_copy%26googlePIDR=3Do=laitanoladapo37@gmail.com%26id\\_list=3DXxuPpTypvrZprzk=20](https://translate.google.com/translate?sl=3Dauto&tl=3Den&hl=3Den&u=3D4a6688=4dbc.nxcli.io/temp/user/login.php?click=3Dm_news_0057_copy%26googlePIDR=3Do=laitanoladapo37@gmail.com%26id_list=3DXxuPpTypvrZprzk=20).

The sender's name is Maild Murni with the email address: [franklin.polhaupessy@murni.co.id](mailto:franklin.polhaupessy@murni.co.id)

## Method/ Approach

The email analysis started by analyzing the content of the message, The email consist of some phishing indicators:

- Social Engineering tactics
- Tone of the message
- Inclusion of phishing link

## Analysis

I analyzed the email and the IP address using seven different tools Mx toolbox, Epieos, abuse IPDB, virus total, that's them, browser ling, and Ip location. This is the result generated from the using the email and IP address.

The result from the tools:

Mx toolbox: I looked up the email address and saw that the email has been blacklisted by different users sighting spamming

mxtoolbox.com/SuperTool.aspx?abt\_id=AB-631B&abt\_var=Control&run=toolpage&action=mx%3amurni.co.id

### SuperTool Beta7

urni.co.id MX Lookup

**mx:urni.co.id** Find Problems Solve Email Delivery Problems mx

Pref	Hostname	IP Address	TTL	
0	mail.urni.co.id	50.87.146.234 <small>Unified Layer (AS46606)</small>	4 hrs	<a href="#">Blacklist Check</a> <a href="#">SMTP Test</a>

Test	Result	
DMARC Policy Not Enabled	DMARC Quarantine/Reject policy not enabled	<a href="#">More Info</a>
DMARC Record Published	DMARC Record found	
DNS Record Published	DNS Record found	

[dns lookup](#) [dns check](#) [dmARC lookup](#) [spf lookup](#) [dns propagation](#)

Reported by ns6029.hostgator.com on 8/20/2024 at 4:39:37 PM (UTC -5). [just for you.](#) [Transcript](#)

ABOUT THE SUPERTOOL

Epieos: The tool has a couple of information regarding the email in their database.

epieos.com/?q=franklin.polhaupessy%40urni.co.id&t=email

**franklin.polhaupessy@murni.co.id** Download the data

1 result (5.7 seconds) Tue, 20 Aug 2024 21:15:51 GMT

**;-hibp?** This tool allows you to find if an email address was leaked in data breaches.

Query franklin.polhaupessy@murni.co.id

Found 2

Leaks

Abuse Ipdb: This tool has some information about the location of the attacker in their database. I used the IP address. The tool showed us that the attacker is located at Redmond Washington in the U.S.


abuseipdb.com/whois/202.137.25.204

Check an IP Address, Domain Name, or Subnet  
e.g. 66.181.115.3, microsoft.com, or 5.188.10.0/24

66.181.115.3

CHECK

### 202.137.25.204 IP Address Information

ISP	PT. Linknet
Usage Type	Fixed Line ISP
Hostname	maild.murni.id
Domain Name	link.net.id
Country	
City	Jakarta, Jakarta Raya

REPORT 202.137.25.204

VIEW ABUSE REPORTS

maild.murni.id

**SPONSOR**  
**Mailchimp** Win more repeat business using Predictive Segments to estimate the future buying behavior of your customers.

The second image below shows further information about the IP address: **202.137.25.204**. One of the things I observed from this tool is that it gives the name and other information of different users who use the IP address in this location.

abuseipdb.com/whois/202.137.25.204

```
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
last-modified: 2018-05-31T22:29:03Z
source:       APNIC

person:       Irvan Rianto
nic-hdl:      IR1-AP
e-mail:       irvan.rianto@kabelvision.com
address:      Citra Graha Bld. 4th floor
address:      Gatot Subroto Kav 35-36
address:      Jakarta - 12950
address:      Indonesia
phone:        +62-21-5278811
fax-no:       +62-21-5278833
country:      ID
mnt-by:       MAINT-ID-BM
last-modified: 2008-09-04T07:29:32Z
source:       APNIC

person:       Rizky Soema di Pradja
address:      Citra Graha Bld. 4th Fl.
address:      Jl. Gatot Subroto Kav. 35-36
address:      Jakarta - 12950
address:      Indonesia
country:      ID
```

```

abuseipdb.com/whois/202.137.25.204

mnt-irt:        IRT-LINKNET-ID
last-modified:  2022-07-12T09:16:56Z
source:         IDNIC

irt:            IRT-LINKNET-ID
address:        PT. LINKNET
address:        Internet Service Provider
address:        Jakarta
e-mail:         abuse@link.net.id
abuse-mailbox:  abuse@link.net.id
admin-c:        RS188-AP
tech-c:         IR1-AP
auth:           # Filtered
mnt-by:         MAINT-ID-LINKNET
last-modified:  2012-08-29T07:51:42Z
source:         IDNIC

person:         Eko Budinahardjo
nic-hdl:        EB26-AP
e-mail:         noc@link.net.id
address:        Lippo Cyber Park
address:        Jl. Bulevar Gajah Mada No.2088
address:        Lippo Karawaci 100, Tangerang 15811, Indonesia
phone:          +62-21-55777755
fax-no:         +62-21-5530752
country:        ID
mnt-by:         MAINT-ID-LINKNET
last-modified:  2008-09-04T07:30:20Z
source:         IDNIC

% Information related to '202.137.0.0/19AS9905'

```

Virus Total: This tool flagged the IP address as malicious.

virustotal.com/gui/ip-address/202.137.25.204/detection

202.137.25.204

1 / 93

Community Score

1/93 security vendor flagged this IP address as malicious

Reanalyze Similar Graph API

202.137.25.204 (202.137.0.0/19)  
AS 9905 (Linknet ASN)

ID Last Analysis Date  
1 hour ago

DETECTION DETAILS RELATIONS COMMUNITY

Join our Community and enjoy additional community insights and crowdsourced detections, plus an API key to [automate checks](#).

Security vendors' analysis

Do you want to automate checks?

Criminal IP	Malicious	Abusix	Clean
Acronis	Clean	ADMINUSLabs	Clean
AILabs (MONITORAPP)	Clean	AlienVault	Clean

<https://docs.virustotal.com/reference/overview>

virustotal.com/gui/ip-address/202.137.25.204/details

202.137.25.204

Regional Internet Registry	APNIC
Country	ID
Continent	AS

### Whois Lookup

```

inetnum: 202.137.20.0 - 202.137.31.255
netname: LINKNET-ID
descr: PT. LINKNET
descr: Internet Service Provider
country: ID
admin-c: RS188-AP
tech-c: IR1-AP
mnt-by: MNT-APJII-ID
mnt-irt: IRT-IDNIC-ID
mnt-lower: MAINT-ID-LINKNET
status: ALLOCATED PORTABLE
remarks: spam and abuse report : abuse@apjii.or.id, abuse@link.net.id
last-modified: 2015-12-01T22:27:47Z
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
  
```

Browser ling: This tool could not give us any information

Ip Location: This tool shows the location, longitude, latitude, map and other information of the attacker in Indonesia. The tool gathered information from different Ip websites.

iplocation.net/ip-lookup

read [geolocation accuracy](#) info to learn why.

Do you have a problem with IP location lookup? Report a [problem](#).

#### Geolocation data from IP2Location

Product: DB6, 2024-7-1

IP ADDRESS: 202.137.25.204	ISP: PT. Linknet
COUNTRY: Indonesia	ORGANIZATION: Not available
REGION: Jakarta Raya	LATITUDE: -6.2087
CITY: Jakarta	LONGITUDE: 106.8455

[Incorrect location? Contact IP2Location](#) [view map](#)

#### Geolocation data from ipinfo.io

Product: API, real-time

IP ADDRESS: 202.137.25.204	ISP: Not available
COUNTRY: Indonesia	ORGANIZATION: AS9905 Linknet ASN
REGION: Jakarta	LATITUDE: -6.2146

#### ADVERTISEMENT

#### IP ADDRESS ARTICLES

← → ↻ iplocation.net/ip-lookup

**Geolocation data from IPapi.co** Product: API, real-time

IP ADDRESS: 202.137.25.204

COUNTRY: Indonesia

REGION: West Java

CITY: Bekasi

ISP: Linknet ASN

ORGANIZATION: Linknet ASN

LATITUDE: -6.2352

LONGITUDE: 106.9922

[Incorrect location? Contact IPapi.co](#) [view map](#)

**Geolocation data from ipbase.com** Product: API, real-time

IP ADDRESS: 202.137.25.204

COUNTRY: Indonesia

REGION: Jakarta

CITY: Jakarta

ISP: LINKNET

ORGANIZATION: Linknet ASN

LATITUDE: -6.2087

LONGITUDE: 106.8455

[Incorrect location? Contact ipbase.com](#) [view map](#)

**Geolocation data from Dell Technologies** Product: API, real-time

IP ADDRESS: 202.137.25.204

COUNTRY: Indonesia

REGION: Jakarta

CITY: Jakarta

ISP: LINKNET

ORGANIZATION: Linknet ASN

LATITUDE: -6.2087

LONGITUDE: 106.8455

[Incorrect location? Contact Dell Technologies](#) [view map](#)

**DYNAMIC IP ADDRESS**

**STATIC IP ADDRESS**

**Dell Technologies**

**Customer Favorite**

**Shop now**

This tool further provides a map of the attacker's location.

← → ↻ google.com/maps/place/6°14'06.7"S+106°59'31.9"E/@-6.2352,106.9922,15z/data=!4m4!3m3!8m2!3d-6.2352!4d106.9922?hl=en-US&entry=...

**6°14'06.7"S 106°59'31.9"E**  
-6.235200, 106.992200

Directions

Save

Nearby

Send to phone

Share

**Restaurants**

**Hotels**

**Things to do**

**Transit**

**Parking**

**Pharmacies**

**QX7R+WW4, RT.004/RW.016, Kayuringin Jaya, Bekasi Selatan, Bekasi, West Java 17144, Indonesia**

**QX7R+VV8 Kayuringin Jaya, Bekasi, West Java, Indonesia**

That's Them: This tool shows the exact location of the attacker with details and Map of the area where the IP address is located.

thatsthem.com/ip/202.137.25.204

Sort By ▾ Filter By ▾

Found 1 result for your query:

**202.137.25.204**  
located in Jakarta, Indonesia.

202.137.6.0 - 202.137.25.255 ⓘ

**202.137.25.204**  
Internet service provided by PT. Linknet.

LOCATION:	NETWORK DETAILS:
Jakarta, Indonesia 12850	Used For: ISP (ISP)
-6.208678°, 106.845493°	Net Speed: DSL ⓘ
	Is Mobile?: No

TECHINCALS:	AREA CODES:
Weather Station: IDXX0022 ⓘ	021
Elevation: 11 meters (0.0068 mi) ⓘ	
Timezone: +07:00	

-6.208678°, 106.845493°

Sumatera  
Jawa Barat  
Jawa  
Bandar Lampung  
Serang  
Jakarta  
Cirebon  
Bandung  
Bres  
Purwokerto  
Yogy

Leaflet | © OpenStreetMap contributors

PDF View PDF

The seven tools we used established that the owner of the email and the IP address has been reported as spam, abuse, malicious, and we were able to pull up the location of the attacker to be Jakarta, Indonesia.

### Impression of the sender

The impression of the sender is malicious and the sender's objective is to defraud the owner of 1.3426 BTC the email through the bitcoin address:

<https://translate.google.com/translate?sl=3Dauto&tl=3Den&hl=3Den&u=3D4a6688=>

[4dbc.nxcli.io/temp/user/login.php?click=3Dm\\_news\\_0057\\_copy%26googlePIDR=3Do=](4dbc.nxcli.io/temp/user/login.php?click=3Dm_news_0057_copy%26googlePIDR=3Do=)

[laitanoladapo37@gmail.com%26id\\_list=3DXxuPpTypvrZprzk=20](laitanoladapo37@gmail.com%26id_list=3DXxuPpTypvrZprzk=20).

### Conclusion

The IP address and email address belong to a malicious user in Jakarta, Indonesia. The attacker is using social engineering and phishing tactics to make the user fall for the trap of stealing 1.3426 BTC worth \$890707.77 from the user by clicking the phishing link. My analysis using seven different tools shows that the user is malicious and the intention is to defraud the email user. They are group of attackers using the same IP address to perform their malicious operations but the name used in the email is Maild Murni.

### Recommendations

This is my recommendation:

- The receiver should report the email for phishing and social engineering



- The user should not make payment to the address and should always report this kind of email to the SOC team or government agencies.
- If this email is received by a couple of our staff, our team should organize end-user training to sensitize the staff more about this kind of malicious email.