Email Header Analysis 2

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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:

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

Method/Approach

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

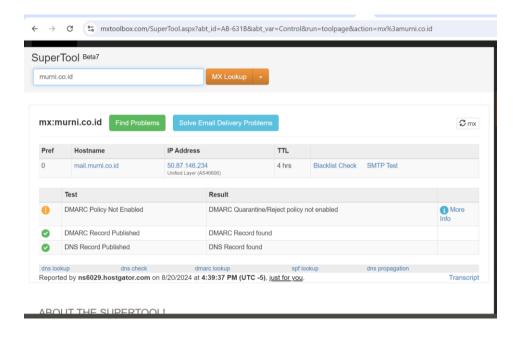
- Social Engineering tactics
- Tone of the message
- Inclusion of phishing link

Analysis

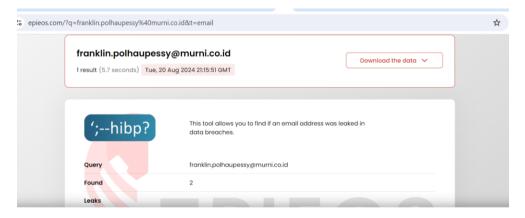
I analyzed the email and the IP address using seven different tools Mx toolbox, Epieos, abuse IPDB, virus total, that's them, browser ling, and Ip location. This is the result generated from the using the email and IP address.

The result from the tools:

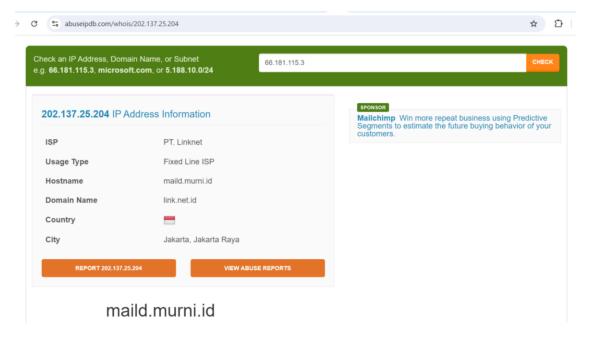
Mx toolbox: I looked up the email address and saw that the email has been blacklisted by different users sighting spamming



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



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.

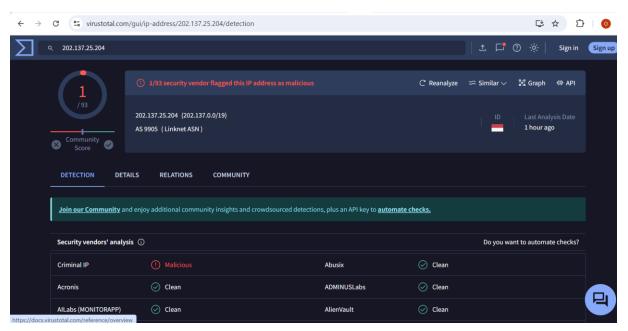


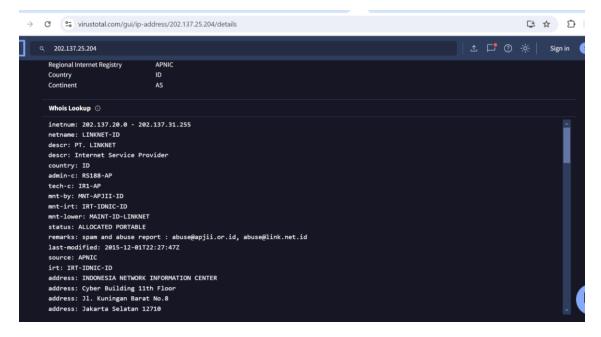
The second image below shows further information about the IP address: **202.137.25.204.** One of the things I observed from this tool is that it gives the name and other information of different users who use the IP address in this location.





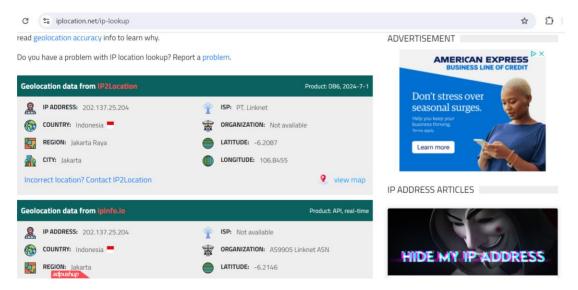
Virus Total: This tool flagged the IP address as malicious.

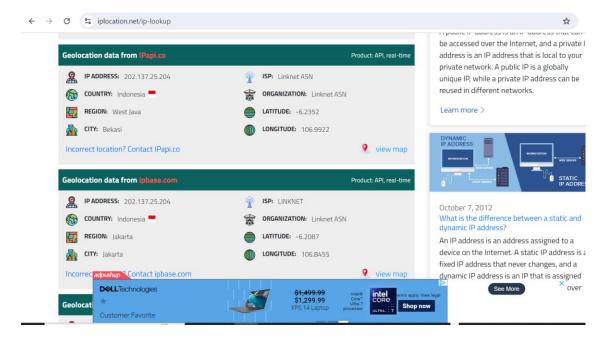




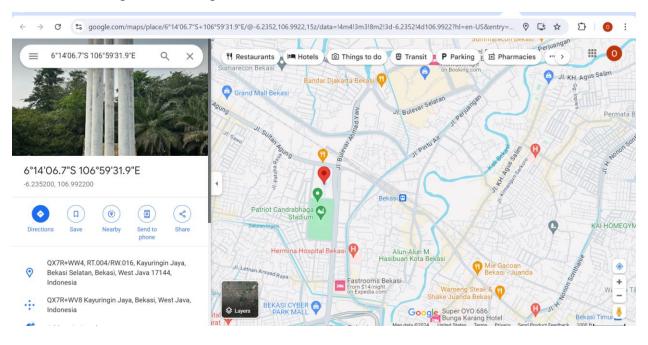
Browser ling: This tool could not give us any information

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.

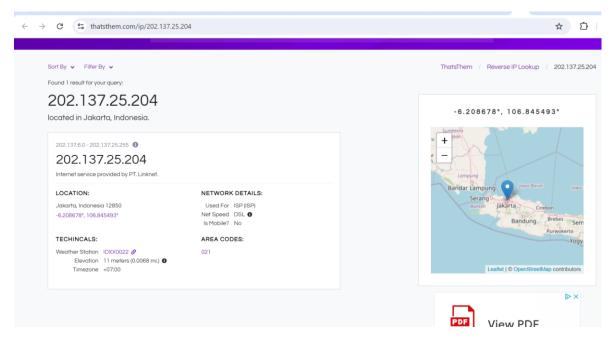




This tool further provides a map of the attacker's location.



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.



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=

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 is 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.