UNCOVERING A HACKER GROUP OSINT investigations are like intricate puzzles that require In this article, we're embarking on a detailed journey through an meticulous research, often leading to a maze of different paths. investigation conducted by the Social Links Center of While discussing the theory is helpful, the real treasure lies in Excellence into a hacker group that steals and sells the

from real situations and develop fresh ideas to solve tough cases. The Challenge

experiencing an actual investigation unfold. That's why, at

Social Links, we create case studies. These help experts learn

A REAL OSINT CASE:

- personal information of ordinary people. We're going through the steps of how a Social Links investigator identified the malicious actors and created a complete digital footprint with SL Professional. So get ready for an up-close look into the inquiry process of a real case. Let's check it out!
- The Course of the OSINT Investigation
- Next Steps

The Cast of the Investigation

- THE CHALLENGE

such tactics to conceal their operations from the public. Data brokering organizations stand out as a particularly menacing threat among these criminal entities. They specialize in the illicit act of stealing personal information, which eventually

fueling the ongoing cycle of cybercrime.

Smaller criminal groups often prefer targeting ordinary

people instead of businesses. These malicious actors use

finds its way into the shady marketplaces of the Dark Web,

With this understanding in mind, let's turn our attention to an investigation centered around a loosely organized criminal group. This collective clearly understands the importance of maintaining anonymity while pursuing their unlawful activities. They are adept at avoiding easily traceable identifiers. However, even in the darkest situations, creative thinking can overcome challenges; this case study is a compelling example.

The main reason for such investigations is the widespread

commodity for hackers. Dedicated Dark Web marketplaces

compromise of customer data in breaches. Personally

exist to sell this data, and prices fluctuate widely. Some

malicious actors are ready to pay up to \$1k for complete

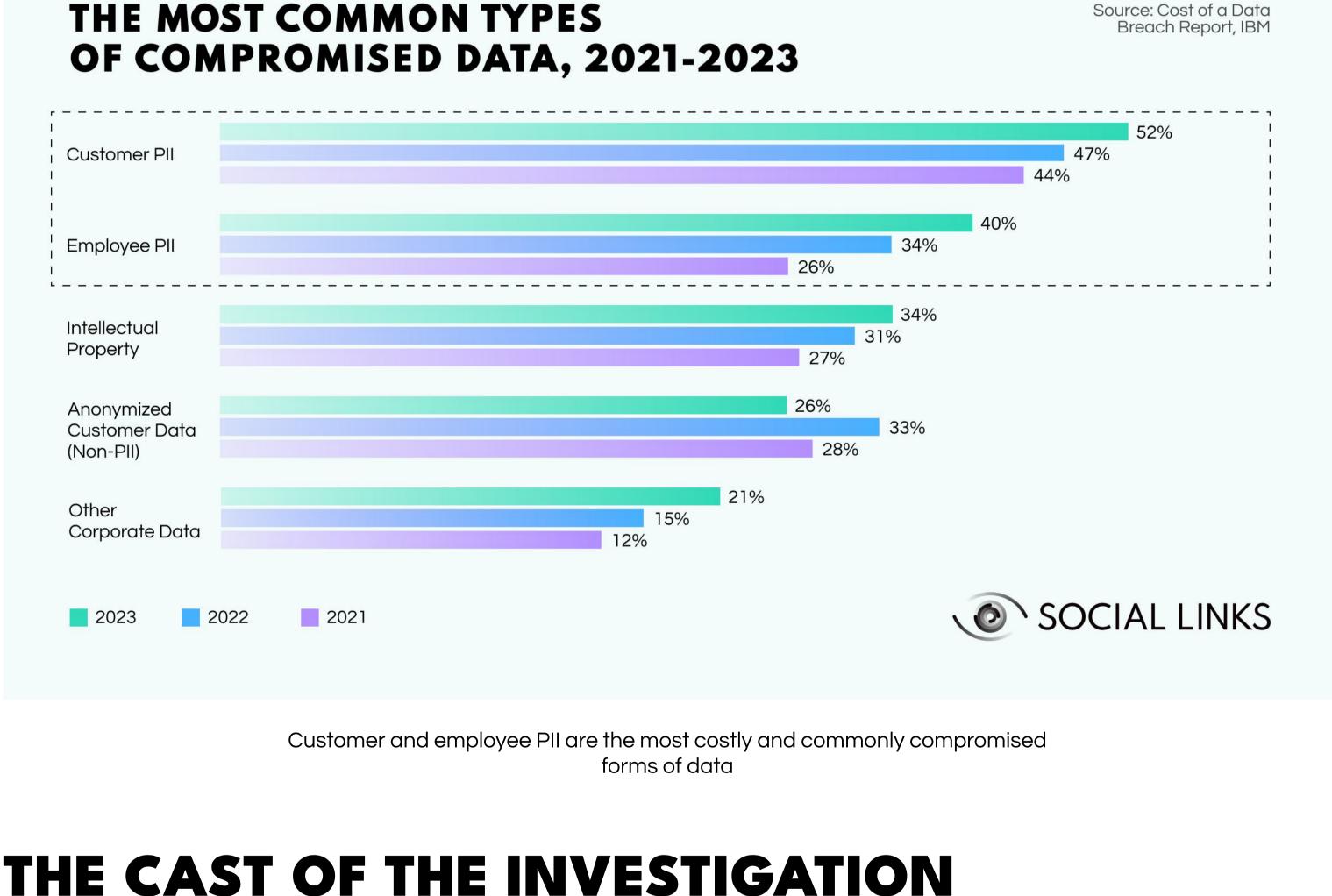
documents containing IDs, social security numbers, etc.

Threat actors use stolen personal data for fake documents

and scams. In fact, recent reports suggest that a staggering

identifiable information (PII) is a highly sought-after

3.4B phishing emails are sent every day.



Data Brokering service. • NyxData. Apollo54's right-hand man. Secondary hacker and Telegram admin.

• InfoNest. The name of the hacker group.

Cybercriminals and investigators are locked in a constant game of cat and mouse, where threat actors break the rules and security experts bring them to justice. The following investigation is a prime example of how tiny decisions can snowball into a full-blown criminal inquiry.

PART 1. DISCOVERING THE HACKERS

"A single spark can ignite a grand

inferno..." - Orion

—a phishing email.

INVESTIGATION

Due to the sensitivity of the case, we've assigned aliases to all

the individuals involved for privacy and legal compliance

reasons. So, meet the cast:

THE COURSE OF THE OSINT

Orion. Social Links Investigator.

Armed with Phishtool, a piece of software that analyzes

Orion decided to visit the company's website, only to be

greeted by a bold message saying, "You've been pwned."

Clearly, the website had been hacked and taken over.

front page of the compromised domain. Intrigued, our

investigator conducted a Google dork and found more

investigated further. He discovered that the email appeared

to be from a hotdog vendor in Brazil. This got him interested.

In a cheeky move, the hackers had left their aliases (Apollo54

and NyxData) and the name of their group (InfoNest) on the

hacked websites associated with the same group. All of the

sites had the same message, along with the same hacker

names. Orion decided to delve deeper into the intruders'

activities to better understand their actions' extent.

emails using metadata and threat intelligence, Orion

• Apollo54. The primary hacker and owner of the Illegal

While most investigations start with an apparent victim, this one occurred by chance. One day, Orion, an investigator at

Social Links, decided to examine an old email inbox he hadn't

checked for a while. Curious about the contents of his spam

scam offers like "Win a trip to Paradise!" and "Magic pills for

all of your problems!" something different caught his attention

folder, he decided to take a look. Amidst the usual flurry of

THE START OF THE INVESTIGATION

SL PROFESSIONAL

"A moment of inspiration uncovers an intricate

With the investigation officially underway, Orion decided to

investigator enlisted the help of SL Professional's Telegram

government agencies). Armed with the right tool, Orion looked

up Telegram's aliases, revealing that Apollo54 was the hacker

group's owner, admin, and primary hacker. NyxData, on the

check if the hackers were using any messengers to

communicate with each other. Turns out they were—a

Telegram group. To take his inquiry to the next level, our

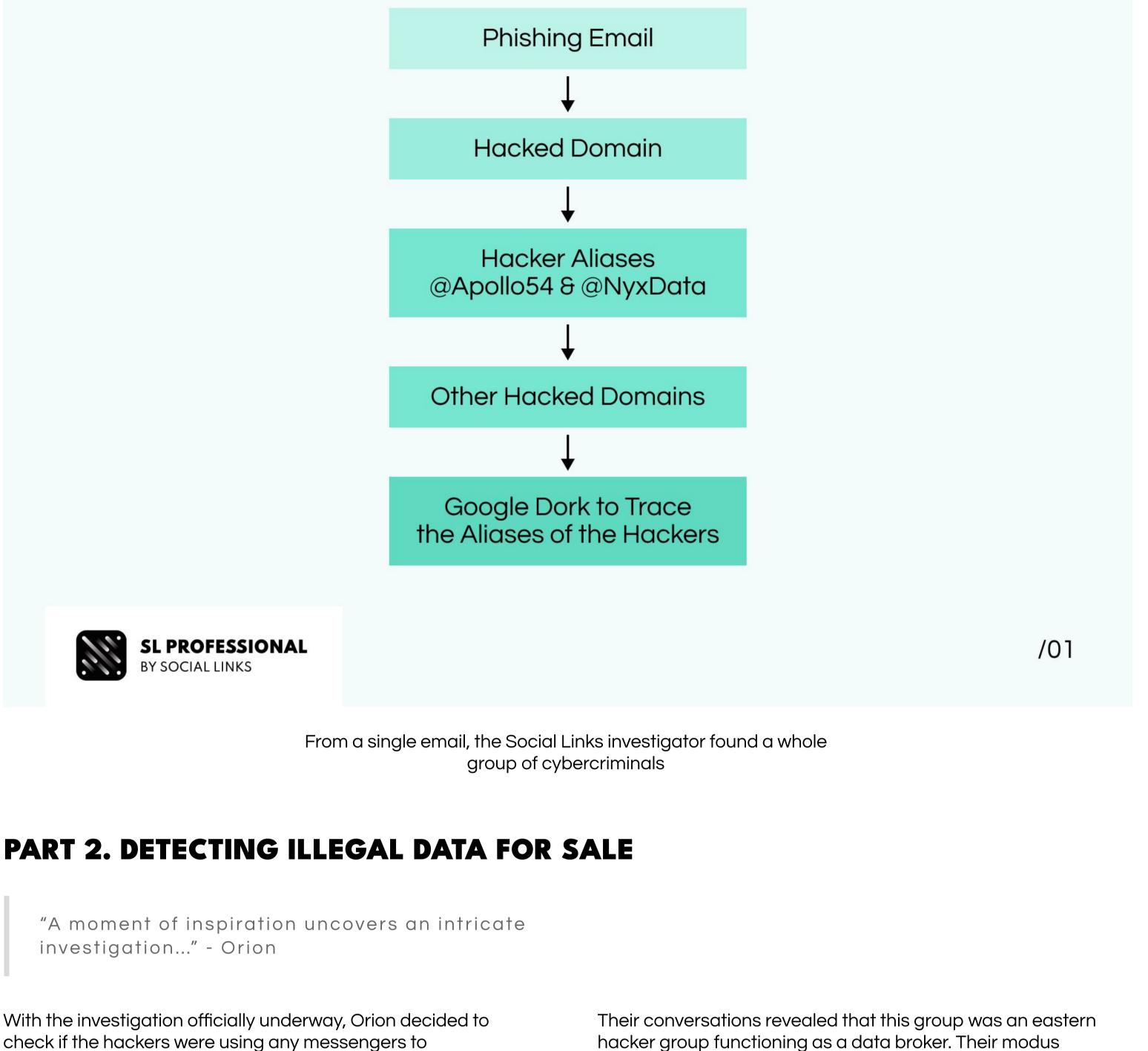
Pack (N.B. the extension is currently only available for

other hand, was identified as his second-in-command.

Impressively, the group boasted almost 200 members.

BY SOCIAL LINKS

investigation..." - Orion



operandi involved hacking and phishing to collect significant

gotten information into an application programming interface

(API), which they offered for sale. This API enabled buyers to

conduct specific searches, including license plates, national

Orion's findings indicated that the group regularly updated its

API interface, making it user-friendly for the paying customers

of the hackers. Insights from the malicious actors'

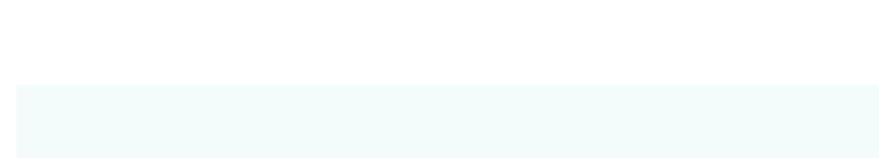
ID numbers, birth dates, and more.

amounts of personal data. The group then bundled this ill-

conversations revealed that core members took pride in their past clashes with Cyber Crime Agencies. Astonishingly, the threat actors even used the official insignias of LEAs as the group logo, making their involvement in criminal activities glaringly conspicuous.

UNCOVERING THE MEMBERS

OF THE HACKER GROUP

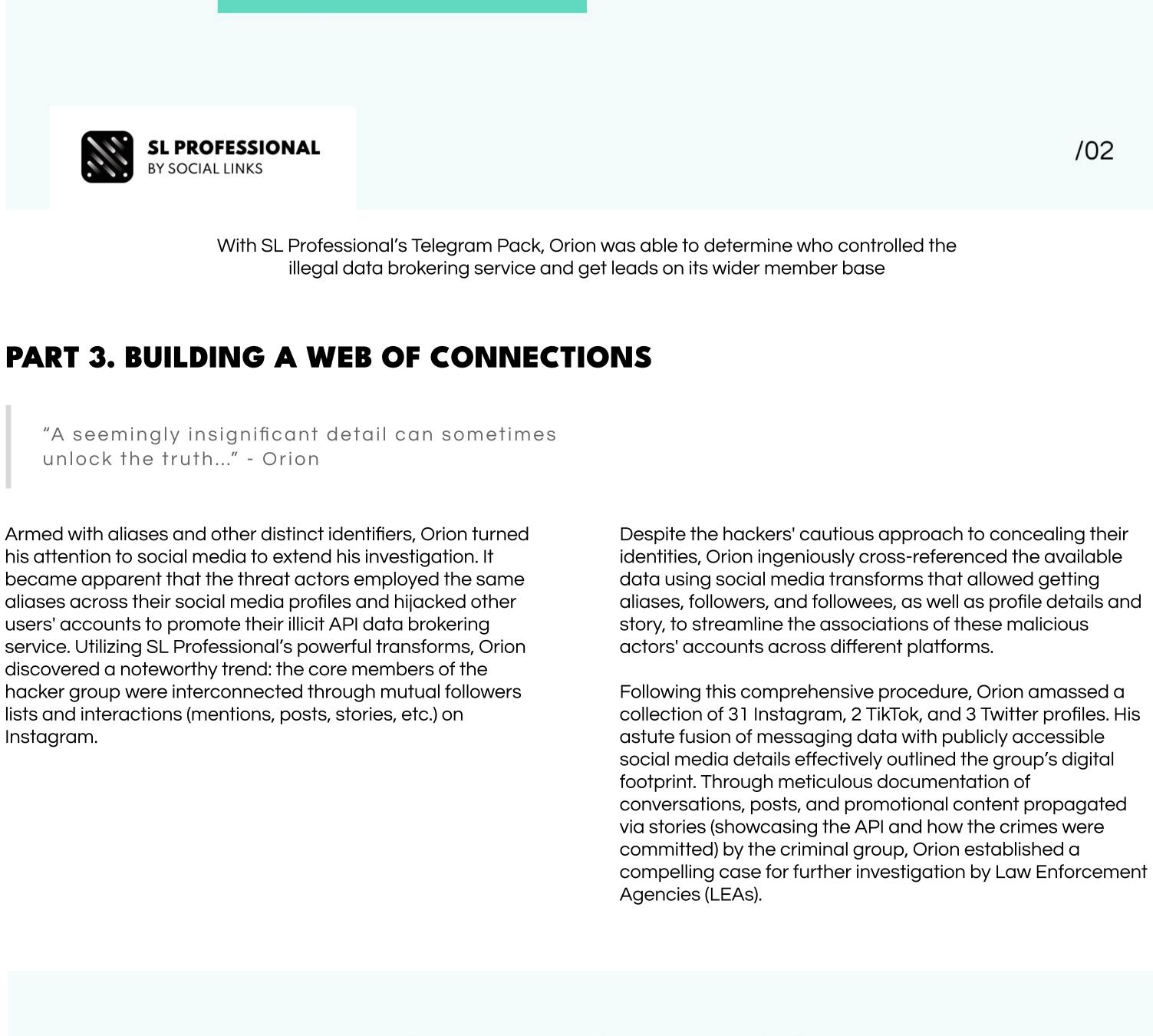


Orion Checks the Hacker

Aliases on Telegram

@Apollo54 **OWNER** InfoNest API **Telegram Group** Other Members

@NyxData **ADMIN**



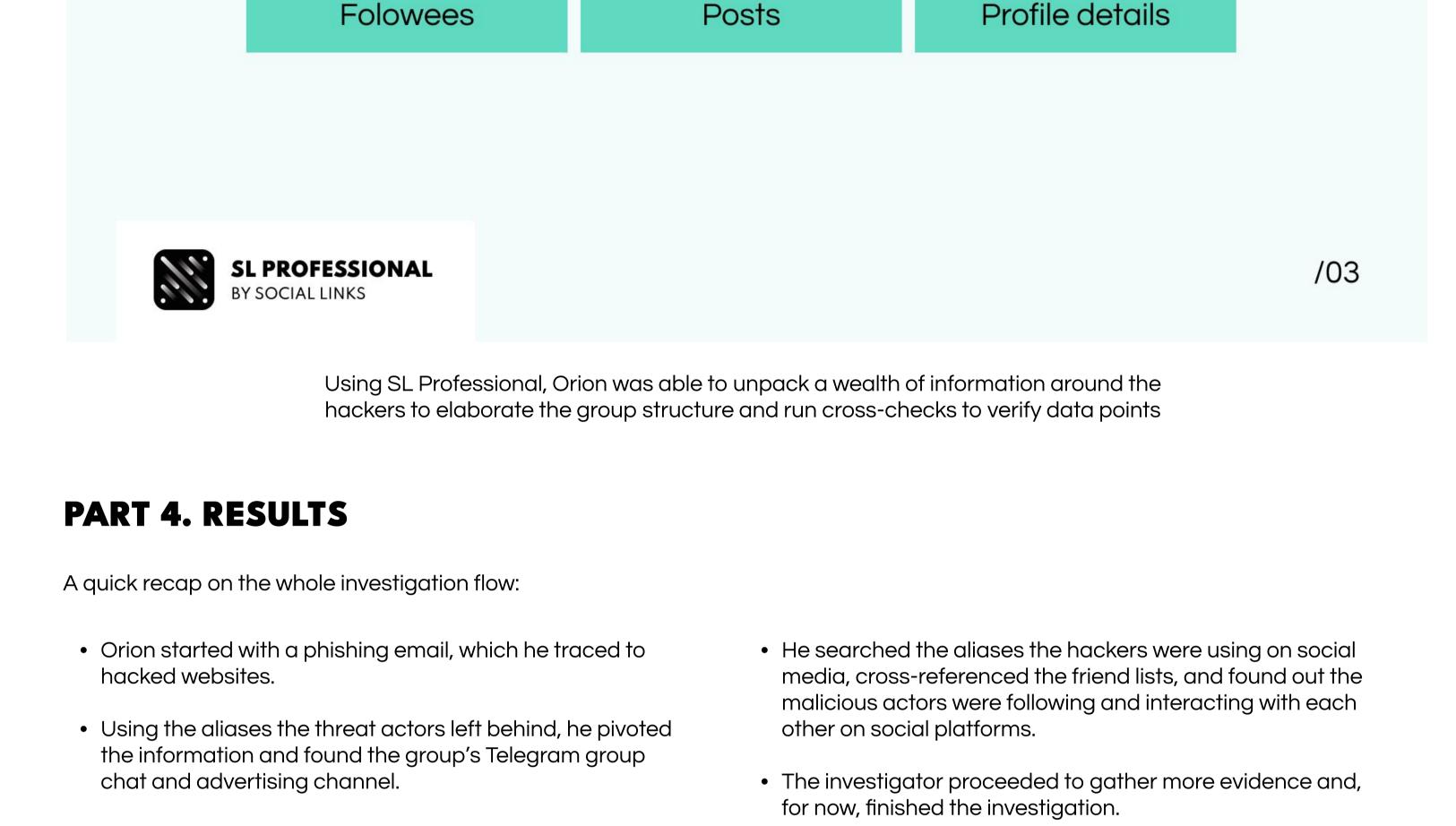
BUILDING THE DIGITAL FOOTPRINT

OF THE HACKERS

Hacker Aliases

Social Media

Profiles



FOLLOWING THE WEB. Since Orion already has plenty of evidence, he can further investigate and enrich his data on the hackers. With SL Professional, He can employ sentiment analysis and dive into public records to extract more

So, from this point on, there are a few paths the

NEXT STEPS

investigation can go.

Followers

POSSIBLE NEXT STEPS

information on the threat actors. By the end of the process,

other acquaintances. However, this process would take a

longer time and result in the case to grow further.

he would have their criminal history, real names, photos, and

Current Investigation stage

/04

REPORTING TO LEAS. Orion can also forward all the evidence

them to pick up where he left off. Since the hackers are in the

about their prior history with the authorities, which most likely

means they have criminal files in the LEAs system. This could

he gathered to the appropriate Cyber Crime divisions for

jurisdiction of government agencies, this could be a more

effective strategy. Also, the threat actors were very open

expedite the process significantly.

Stories

Orion can take one of two paths to conclude the investigation

Report the

Findings to LEA's

SL PROFESSIONAL BY SOCIAL LINKS

Continue

the Investigation

Wrapping up our OSINT investigation case study, we hope you've gained an up-close insight into our experts' approach and found some inspiration for your own inquiries. Remember, with the opensource intelligence mindset, even the tiniest details can unveil entire information networks.