

Network Forensics Incident Report

Case ID: 2026-LUMMA-001

Investigator: Mohamed Farah

Date: January 23, 2026

Subject: Analysis of Lumma Stealer Infection on Host 160.9.3.101

Executive Summary

On September 3, 2025, a security incident was identified involving host 160.9.3.101. Forensic analysis of network traffic (PCAP) confirmed a multi-stage infection starting with a malicious ZIP file download, followed by automated Command and Control (C2) beaconing via Windows PowerShell. The attack concluded with the successful exfiltration of system metadata to an external server.

Indicators of Compromise (IOCs)

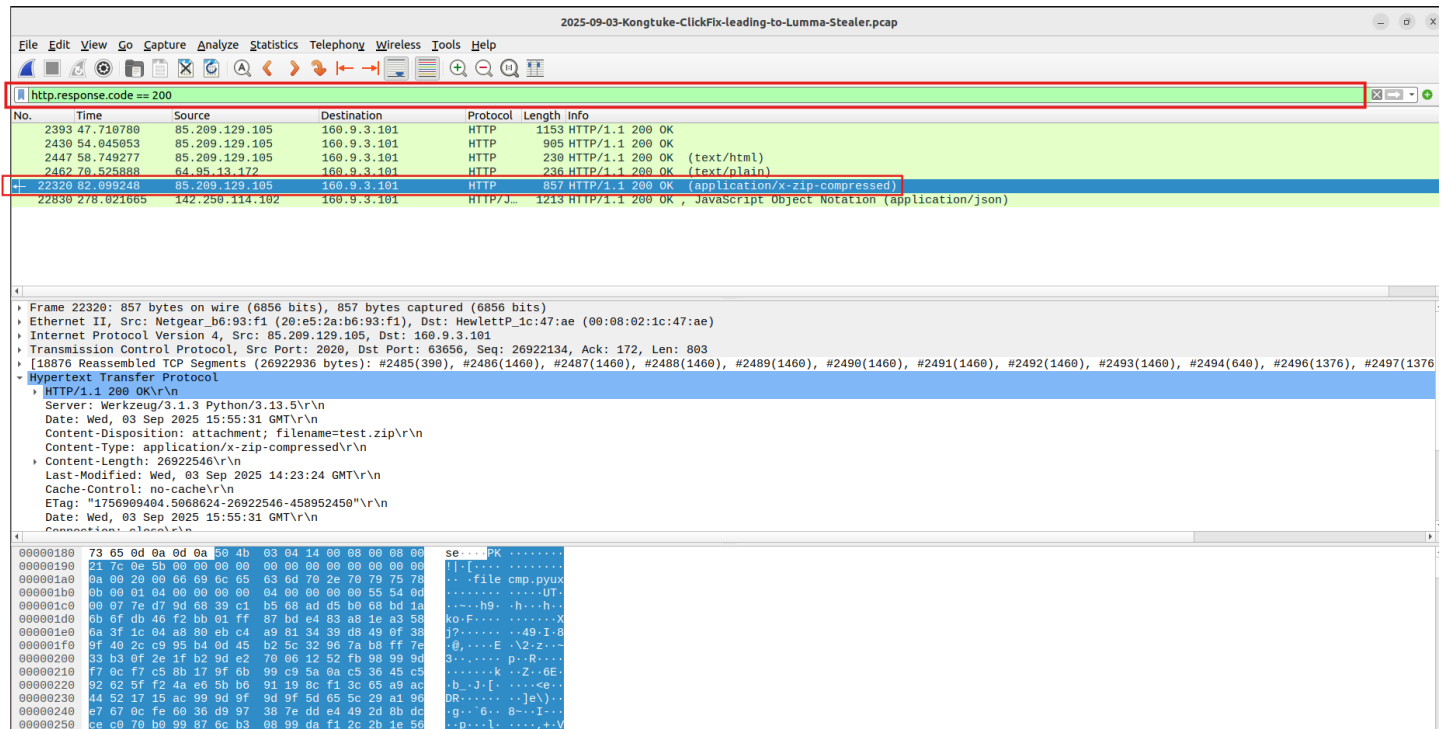
The following forensic artifacts were identified during the investigation:

- **Victim IP:** 160.9.3.101
- **Malicious Delivery IP:** 85.209.129.105 (Port 2020)
- **C2 / Exfiltration IP:** 104.16.231.132
- **Malware Hash (SHA-256):**
e2c0390d80410e4358435c10cfc3d27b788d2299daa9d052d9c16526ee4635ad
- **User-Agent:** WindowsPowerShell/5.1.26100.4768

Technical Analysis & Evidence

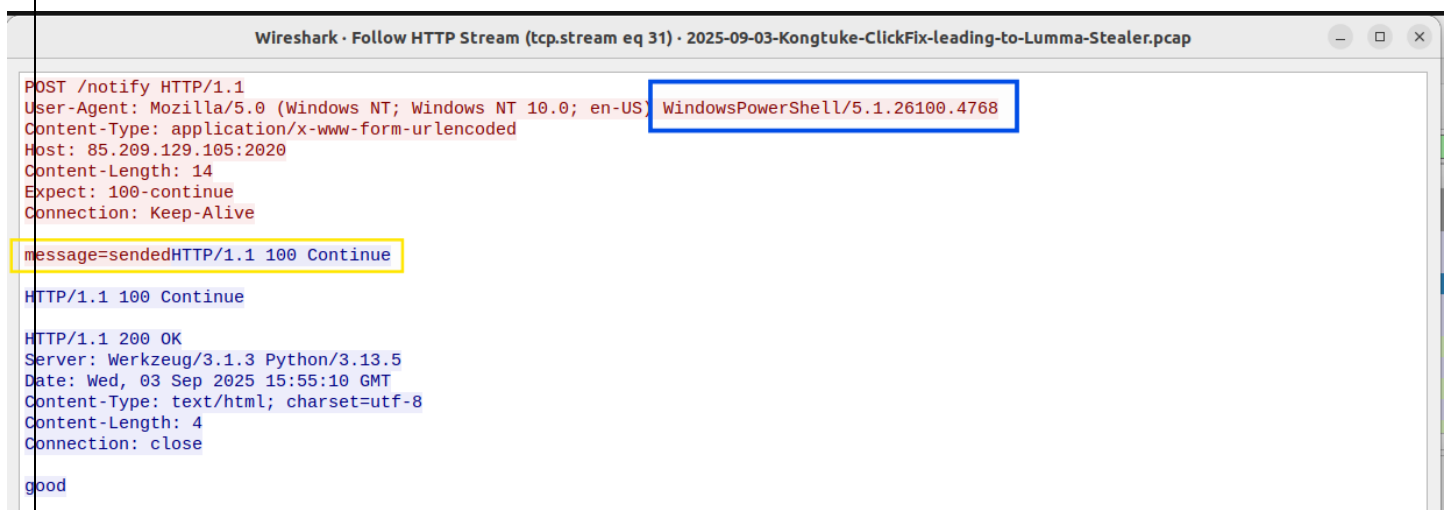
1. Delivery Vector (The Download)

The initial infection began with a DNS query for a suspicious domain, leading to a GET request for a resource named /19. Despite the obfuscated naming convention, HTTP metadata confirmed the delivery of a compressed payload.



2. Execution Analysis (The Actor)

By following the HTTP stream for the /notify endpoint, it was determined that the requests were initiated by **Windows PowerShell** rather than a standard web browser. The host performed a check-in by sending message=sended, which was acknowledged by the server with a good response.



3. Exfiltration Analysis (The Theft)

The final stage involved the theft of host-specific information. A POST request to **104.16.231.132** contained clear-text strings detailing the victim's hardware and network environment.

2025-09-03-Kongtuke-ClickFix-leading-to-Lumma-Stealer.pcap

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

http.request.method == "POST"

No.	Time	Source	Destination	Protocol	Length	Info
2448	57.970882	160.9.3.101	85.209.129.105	HTTP	68	POST /notify HTTP/1.1 (application/x-www-form-urlencoded)
2472	75.089647	160.9.3.101	104.16.231.132	HTTP	1382	POST /BSVjy5VpVrg0 HTTP/1.1

Frame 2472: 1382 bytes on wire (11056 bits), 1382 bytes captured (11056 bits)

Ethernet II, Src: HewlettP_1c:47:ae (00:08:02:1c:47:ae), Dst: Netgear_b6:93:f1 (20:e5:2a:b6:93:f1)

Internet Protocol Version 4, Src: 160.9.3.101, Dst: 104.16.231.132

Transmission Control Protocol, Src Port: 63654, Dst Port: 80, Seq: 1733, Ack: 1, Len: 1328

[3 Reassembled TCP Segments (3060 bytes): #2470(272), #2471(1460), #2472(1328)]

Hypertext Transfer Protocol

Data (2788 bytes)

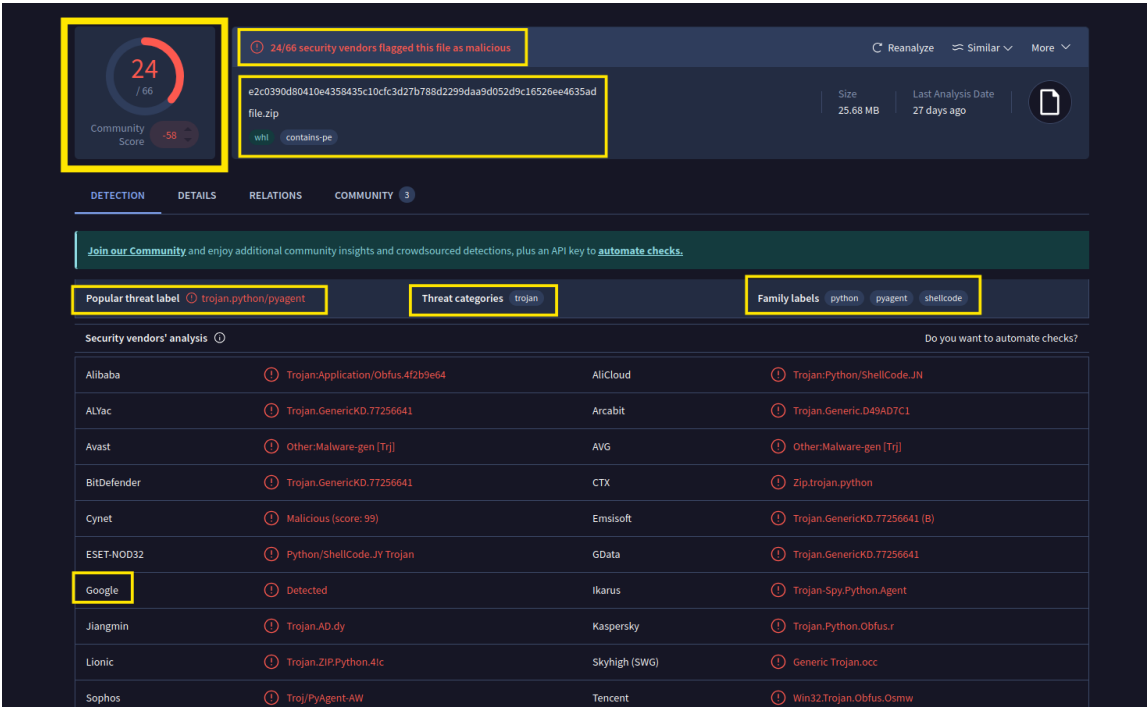
```
0000 20 e5 2a b6 93 f1 00 08 02 1c 47 ae 08 00 45 00  .*. . . . .G. . .E.
0010 05 58 3d e4 40 00 80 06 c4 b8 a0 09 03 65 68 10  X=@. . . . .eh.
0020 e7 84 f8 a6 00 50 fe 40 1f 34 e1 b2 be 00 50 18  . . . . .P.@ .4. . .P.
0030 ff ff b2 6f 00 00 4d 65 6d 6f 72 79 3a 20 49 6e  . . . . .Memory: In
0040 20 55 73 65 3a 20 20 20 20 20 20 20 20 33 2c 30  Use:
0050 39 31 20 4d 42 0d 0a 50 61 67 65 20 46 69 6c 65  91 MB. .Page File
0060 20 4c 6f 63 61 74 69 6f 6e 28 73 29 3a 20 20 20  Location(s):
0070 20 20 20 20 20 20 43 3a 5c 70 61 67 65 66 69 6c  C:\pagefil
0080 65 2e 73 79 73 0d 0a 44 6f 6d 61 69 6e 3a 20 20  e.sys. .D omain:
0090 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  .Logon S erver:
00a0 20 20 20 20 20 20 57 4f 52 4b 47 52 4f 55 50 0d  WO RKGROUP.
00b0 0a 4c 6f 67 6f 6e 20 53 65 72 76 65 72 3a 20 20  .Logon S erver:
00c0 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  \\DESKTO P-SRUGX9
00d0 5c 5c 44 45 53 4b 54 4f 50 2d 53 52 55 47 58 39  4. .Hotf ix(s):
00e0 34 0d 0a 48 6f 74 66 69 78 28 73 29 3a 20 20 20  6 Hotf ix(s) In
00f0 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20  stalled. .
0100 20 20 36 20 48 6f 74 66 69 78 28 73 29 20 49 6e
0110 73 74 61 6c 6c 65 64 2e 0d 0a 20 20 20 20 20 20
```

4. Forensic Verification

The malicious ZIP file was exported from the traffic and hashed using SHA-256.

```
~/Desktop/hash$ ls
testl11
e2c0390d80410e4358435c10cfc3d27b788d2299daa9d052d9c16526ee4635ad testl11
~/Desktop/hash$
```

Verification via VirusTotal confirmed the file as a Trojan-type malware belonging to the **Lumma Stealer** family, with a detection rate of 24/66 vendors.



5. Conclusion

The investigation confirms that host **160.9.3.101** was compromised by Lumma Stealer. It is recommended to isolate the host, wipe and re-image the machine, and reset all user credentials that may have been stored in browser memory.