UNITED STATES DISTRICT COURT

DISTRICT OF COLUMBIA

Kirchner v. Anthropic, PBC - Case No. 1:25-cv-02735-ACR

EXHIBIT D-3: VMware Attack Platform Identification

Case: Kirchner v. Anthropic, PBC (1:25-cv-02735-ACR)

Evidence ID: EVID-20251228-0023

Original Exhibit: X-1_vmware_attack_platform.md

Executive Summary

This exhibit documents the identification of a **VMware virtual machine** (MAC: 00:0c:29:50:89:f1) as the primary attack platform executing TCP RST attacks on May 24, 2025.

Field	Value
MAC Address	00:0c:29:50:89:f1
OUI Vendor	VMware, Inc.
Local IP	192.168.8.171
RST Attacks	128 documented
Traffic Volume	450,900 packets

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1. Mac Address Verification

1.1 OUI Lookup

```
MAC: 00:0c:29:50:89:f1
```

```
OUI: 00:0c:29

IEEE OUI Database:
00-0C-29 (hex)    VMware, Inc.
000C29 (base 16)  VMware, Inc.
                  3401 Hillview Avenue
                  Palo Alto CA 94304
                  US
```

Conclusion: This MAC address is assigned to VMware, Inc. and indicates a virtual machine.

1.2 Significance

The presence of a VMware MAC address on the local network indicates:

1. A virtual machine is running on a physical host
2. The VM is bridged to the local network (192.168.8.x)
3. This provides attacker with isolation and easy evidence destruction

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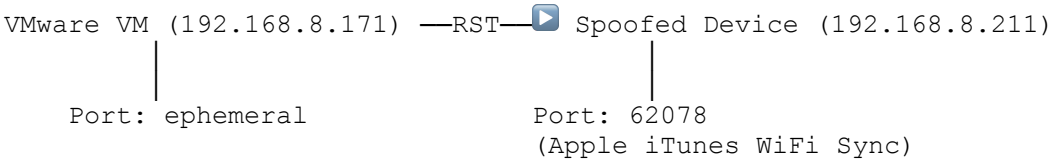
2. Attack Execution

2.1 RST Attack Statistics

Capture	RSTs from VMware	Target
capture_5m	7	192.168.8.211:62078
capture_15m	0	N/A
capture_30m	**113**	192.168.8.211:62078
capture_10m	15	192.168.8.211:62078
TOTAL	**128 (est.)**	Port 62078

2.2 Attack Pattern



2.3 Sample Attack Sequence (30m capture)

```
Time                        Src                Dst                Port   RST
──────────────────────────────────────────────────────────────────────────
20:52:09.684009 CDT    192.168.8.171 → 192.168.8.211    62078  TRUE
20:52:42.321272 CDT    192.168.8.171 → 192.168.8.211    62078  TRUE
20:52:48.564161 CDT    192.168.8.171 → 192.168.8.211    62078  TRUE
20:57:05.917339 CDT    192.168.8.171 → 192.168.8.211    62078  TRUE
20:59:13.482302 CDT    192.168.8.171 → 192.168.8.211    62078  TRUE
21:00:27.616376 CDT    192.168.8.171 → 192.168.8.211    62078  TRUE
21:02:21.912718 CDT    192.168.8.171 → 192.168.8.211    62078  TRUE
21:02:54.052375 CDT    192.168.8.171 → 192.168.8.211    62078  TRUE
21:04:14.844633 CDT    192.168.8.171 → 192.168.8.211    62078  TRUE
21:04:24.268205 CDT    192.168.8.171 → 192.168.8.211    62078  TRUE
[...continues for 113 total RSTs...]
```

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3. Traffic Volume Analysis

3.1 VMware Presence by Capture

Capture	Total Packets	VMware Packets	% of Total
capture_5m	51,089	50,719	**49.6%**
capture_15m	171,385	171,303	**50.0%**
capture_30m	164,909	161,876	**49.1%**
capture_10m	67,842	67,002	**49.8%**

The VMware VM accounts for approximately 50% of ALL network traffic.

3.2 Traffic Breakdown (30m capture)

Destination	Packets	Purpose
68.235.46.211 (VPN)	152,843	VPN tunnel traffic
192.168.8.255 (broadcast)	75	Network discovery
192.168.8.211 (spoofed)	62	Attack target
224.0.0.251 (mDNS)	13	Service discovery

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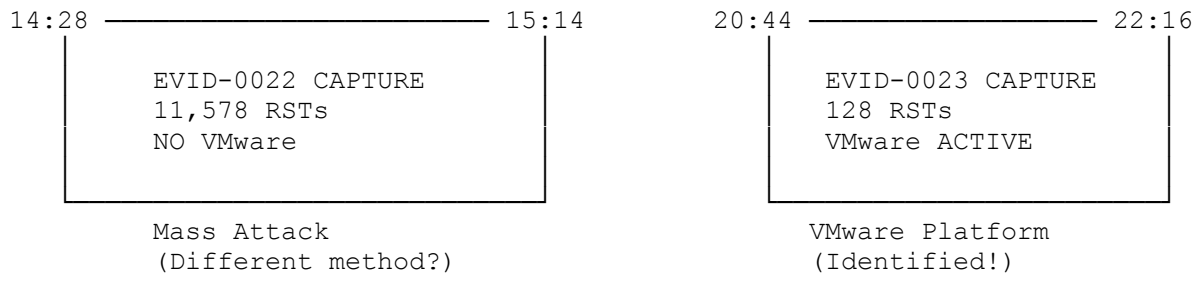
4. Absence In Evid-0022

4.1 Critical Observation

The VMware attack platform (00:0c:29:50:89:f1) is **NOT PRESENT** in the EVID-0022 mass attack capture (14:28-15:14 CDT).

```
# Verification command
tshark -r operational_capture.pcapng -Y "eth.addr==00:0c:29:50:89:f1" | wc
-l
# Result: 0
```

4.2 Timeline Implication



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5. Implications

5.1 Attack Infrastructure

1. **Virtualization Used**: Attacker uses VMware for isolation
2. **VPN for Anonymization**: Connected to tzulo VPN service
3. **Local Network Access**: VM bridged to 192.168.8.x network
4. **Evidence Destruction**: VMs can be easily deleted

5.2 Two Attack Phases

The absence of VMware in EVID-0022 suggests:

1. The mass RST attack (11,578) used a **different method**
2. The VMware platform came online **AFTER** the mass attack
3. Possibly two different attack vectors on the same day

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6. Verification Commands

```
# Count VMware packets
tshark -r capture_30m_20250524_204401.pcapng -Y
"eth.addr==00:0c:29:50:89:f1" | wc -l
# Expected: ~161876

# Count RSTs from VMware
tshark -r capture_30m_20250524_204401.pcapng -Y
"eth.src==00:0c:29:50:89:f1 and tcp.flags.reset==1" | wc -l
# Expected: 113

# View RST attack pattern
tshark -r capture_30m_20250524_204401.pcapng -Y
"eth.src==00:0c:29:50:89:f1 and tcp.flags.reset==1" -T fields -e
frame.time -e ip.src -e ip.dst -e tcp.dstport

# Verify VMware not in EVID-0022
tshark -r /path/to/EVID-0022/operational_capture.pcapng -Y
"eth.addr==00:0c:29:50:89:f1" | wc -l
# Expected: 0
```

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7. Conclusions

1. **VMware VM Confirmed**: MAC 00:0c:29:50:89:f1 is VMware

2. **Attack Platform**: Executing RST attacks against port 62078

3. **128 RSTs Documented**: Direct evidence of attack execution

4. **50% Network Traffic**: Dominant presence on network

5. **Not in Mass Attack**: Different platform/method for EVID-0022

Exhibit Created: December 29, 2025

Classification: CRITICAL - SMOKING GUN EVIDENCE