

Phishy Lab (Cyber Defenders) - Walkthrough

Sunday, September 22, 2024 9:57 AM

Story:

A company's employee joined a fake iPhone giveaway. Our team took a disk image of the employee's system for further analysis.

As a soc analyst, you are tasked to identify how the system was compromised.

Q1: What is the hostname of the victim machine?

- To address this question, I loaded 'SYSTEM' hive to Registry Explorer and searched the key 'ComputerName' located 'ControlSet001\Control\ComputerName\ComputerName'

| Key name | # values | # subkeys | Last write timestamp |
|-------------------------------------|----------|-----------|----------------------|
| E:\Windows\System32\config\SYSTEM | 2 | 0 | 2021-03-19 23:12:08 |
| ComputerName | | | |
| E:\Windows\System32\config\SOFTWARE | 11 | 72 | 2021-03-19 23:11:52 |
| CurrentVersion | | | 2021-02-15 13:37:41 |

| Value Name | Value Type | Data | Value Slack | Is Deleted | Data Record Reallocated |
|--------------|------------|-----------------|-------------|--------------------------|--------------------------|
| (default) | RegSz | mmmsvc | 00-F5-08-00 | <input type="checkbox"/> | <input type="checkbox"/> |
| ComputerName | RegSz | WIN-HF3JQEL4GOT | 00-00-00-00 | <input type="checkbox"/> | <input type="checkbox"/> |

Q2: What is the messaging app installed on the victim machine?

- I navigated to 'Appdata\Local' folder of the user 'Semah' and found 'WhatsApp' application.

| Name | Date modified | Type | Size |
|--------------|--------------------|----------------|----------|
| Microsoft | 5/1/2021 1:03 PM | File folder | |
| Mozilla | 5/1/2021 1:03 PM | File folder | |
| Temp | 5/1/2021 1:03 PM | File folder | |
| VirtualStore | 2/15/2021 5:36 AM | File folder | |
| WhatsApp | 5/1/2021 1:03 PM | File folder | |
| IconCache.db | 3/19/2021 12:00 PM | Data Base File | 1,087 KB |

Q3: The attacker tricked the victim into downloading a malicious document. Provide the full download URL.

- Initially, I used 'BrowsingHistoryView' to identify suspicious URLs accessed via Mozilla or Internet Explorer, but I didn't find anything significant. I then downloaded the 'WhatsApp Viewer' program to investigate any suspicious chats. During the analysis, I discovered one chat with a suspicious identity.

Note: You should to loaded the msgstore.db file to the program to see the chats.

| WhatsApp Chat (21598231645@whatsapp.net) | |
|--|------------------------|
| 8/19/2021 | |
| Hello | 8/19/2021 - 1:41:07 PM |
| Hello | 8/19/2021 - 1:41:07 PM |
| who is with me ? | 8/19/2021 - 1:42:44 PM |
| You registered in apple competition to win an iPhone 12 special edition | 8/19/2021 - 1:42:49 PM |
| oh hello, did I win? | 8/19/2021 - 1:43:42 PM |
| We listed the 5 winners in this document "http://apple.com/iPhone-Winners.doc" | 8/19/2021 - 1:43:49 PM |
| Okay i got it, thank you for the information | 8/19/2021 - 1:44:49 PM |
| Good Luck | 8/19/2021 - 1:44:59 PM |
| } | 8/19/2021 - 1:45:09 PM |
| it seems I had not win | 8/19/2021 - 1:46:00 PM |
| We are sorry to here that | 8/19/2021 - 1:46:30 PM |
| Thanks | 8/19/2021 - 1:46:49 PM |
| You are welcome | 8/19/2021 - 1:47:09 PM |
| | 8/19/2021 - 1:47:14 PM |

Q4: Multiple streams contain macros in the document. Provide the number of the highest stream.

- I searched for the malicious 'DOC' file in the user 'Downloads' directory and found it. I used 'OLEdump' to identify the number of the highest stream (10)

```
9: M 1170 'Macros/VBA/eviliphone'
10: M 5581 'Macros/VBA/iphoneevil'
11: 4096 'WordDocument'
```

Q5: The macro executed a program. Provide the program name?

- I used 'OLEvba' to identify the VBA string that references 'Powershell.exe'.

| Record... | Web Site | User Name | Password | User Name Field | Password Field | Signons File | HTTP Realm | Password Strength | Firefox Ver... | |
|-----------|-------------------|-----------|----------------------|-----------------|----------------|--------------|------------|-------------------|----------------|---|
| 1 | https://apple.com | Semah | GacsriicUZMY4xiAF4yI | | | logins.json | | Very Strong | 32+ | 4 |

Properties

Record Index:

1

Web Site:

https://apple.com

User Name:

Semah

Password:

GacsriicUZMY4xiAF4yI

User Name Field:

Password Field:

Signons File:

logins.json

HTTP Realm:

Password Strength:

Very Strong

Firefox Version:

32+

Created Time:

4/30/2021 3:28:24 AM

Last Time Used:

4/30/2021 3:28:24 AM

Password Change Time:

4/30/2021 3:28:24 AM

Password Use Count:

1

OK