CYB102 Project 7

(Instructions Page)

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Reflection (Required)

🤔 Reflection Question #1: If I had to explain "what is an IOC" in 3 emojis, they would be...

(Feel free to put other comments about your experience in this unit here, too!)



Reflection Question #2: If you found out that an IP address was reported malicious a year ago, would you still consider it dangerous? Why or why not?

I would still consider it dangerous and approach with caution because any sign of abuse should not be overlooked.

♠ Shoutouts: Share appreciation for anyone who helped you out with this project or made your day a little better!

Required Challenges (Required)

Match #1

Steps 1-2.5: General match data from Splunk (see Step 2.5)

Matched IP address: 5.252.177.25

The event date(s) and time(s): - 3/3/247:04:28.000 AM

- 3/3/24 7:37:28.000 AM

- 3/5/24 7:11:28.000 AM

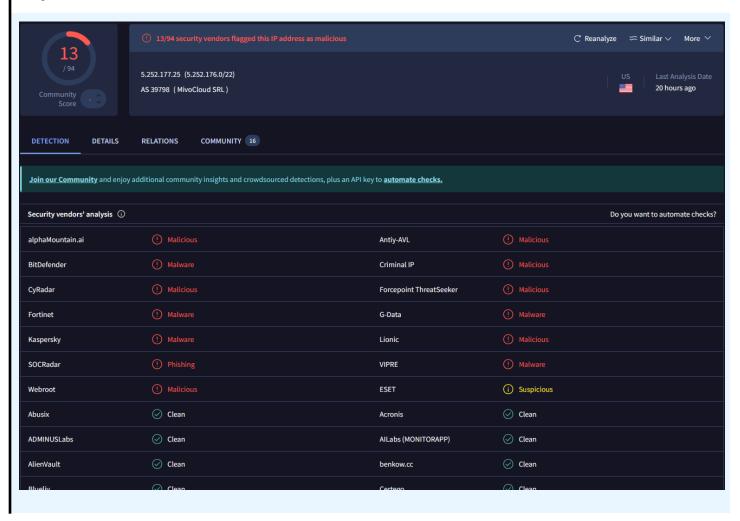
Affected computer(s): - WS-SolarLight-943

- MX-SolarStorm-136
- LN-SolarStrike-14

Step 2.5: Screenshot of the match in Splunk

5.252.177.25		
i	Time	Event
>	7/30/25 7:41:59.000 PM	<pre>ip,IP address,5.252.177.25,C2 malware/callhome host = lab000000</pre>
>	3/5/24 7:11:28.000 AM	2024-03-05,07:11:28,LN-SolarStrike-14,SolarWinds Orion Core Services,5.252.177.25,10.10.10.198 host = lab0000000 source = NetworkProxyLog02.csv sourcetype = csv
>	3/3/24 7:37:28.000 AM	2024-03-03,07:37:28,MX-SolarStorm-136,SolarWinds Orion Core Services,5.252.177.25,10.10.10.182 host = lab0000000 source = NetworkProxyLog02.csv sourcetype = csv
>	3/3/24 7:04:28.000 AM	2024-03-03,07:04:28,WS-SolarLight-943,SolarWinds Orion Core Services,5.252.177.25,10.10.10.83 host = lab0000000 source = NetworkProxyLog02.csv sourcetype = csv

Step 3: Screenshot of VirusTotal search for the IP listed above



Match #2

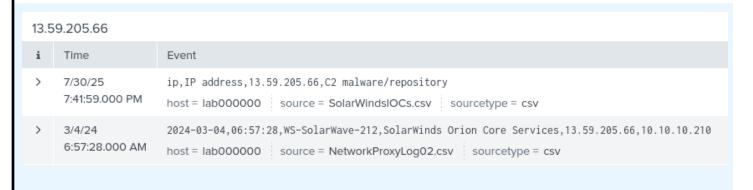
Steps 1-2.5: General match data from Splunk (see Step 2.5)

Matched IP address: 13.59.205.66

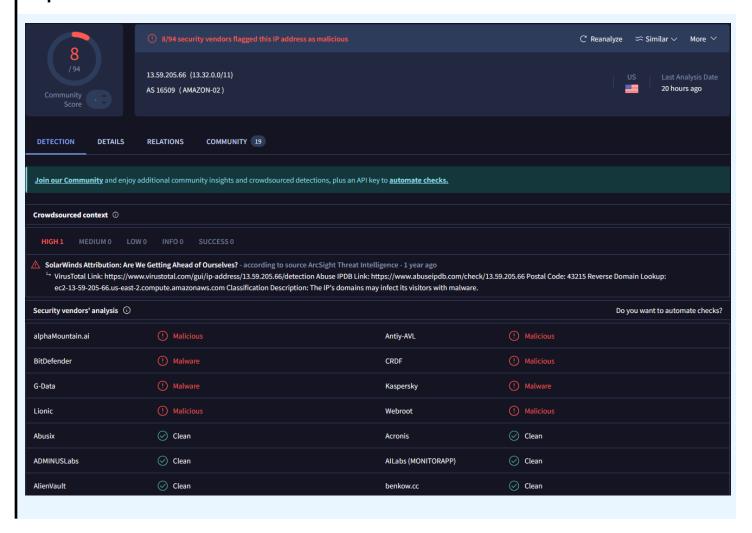
The event date(s) and time(s): 3/4/24 6:57:28.000 AM

Affected computer(s): WS-SolarWave-212

Step 2.5: Screenshot of the match in Splunk



Step 3: Screenshot of VirusTotal search for the IP listed above



If you find a Match #3, enter it in the Stretch Challenge below!

Splunk Dashboard Query

Step 4: Enter the search query used to generate your Splunk Dashboard below

(index=main source="SolarWindsIOCs.csv" OR source="NetworkProxyLog02.csv")

| stats dc(source) as source_count by "IP Address"

| where source_count=2

| sort "IP Address"



Stretch Challenge (Optional)

Match #3

Steps 1-2.5: General match data from Splunk (see Step 2.5)

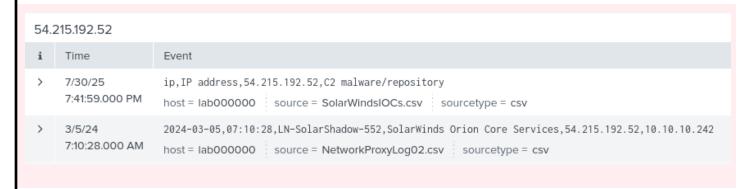
Matched IP address: **54.215.192.52**

The event date(s) and time(s): 3/5/24 7:10:28.000 AM

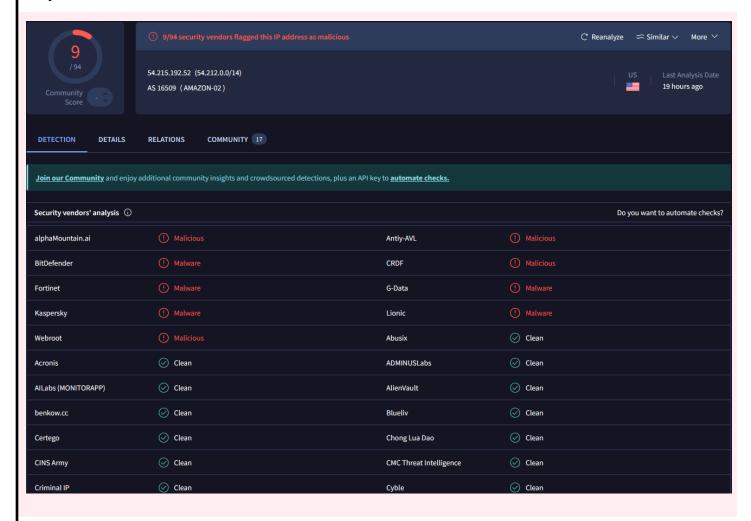
Affected computer(s):

LN-SolarShadow-552

Step 2.5: Screenshot of the match in Splunk



Step 3: Screenshot of VirusTotal search for the IP listed above



Steps 1-2.5: General match data from Splunk (see Step 2.5)

Bonus Task #1

Import a new set of IOC data into Splunk, then search your network data for matches.

A link to the threat source used:			
торо			
creenshot(s) of your Splunk search that shows you investigating with the newly imported data:			
[Insert Screenshot(s) Here]			
A short answer describing your findings: (Even if you didn't find anything, you should explain where you looked and why!)			
TODO			
Submission Checklist			
Check off each of the features you have completed. You will only be graded on the			
features you check off.			

Required Challenges

Match #1

Match #2

Stretch Challenge

Match #3

☐ Bonus Task #1

Splunk Dashboard Query