

Project 3 Review Questions

Make a copy of this document before you begin. Place your answers below each question.

Windows Server Log Questions

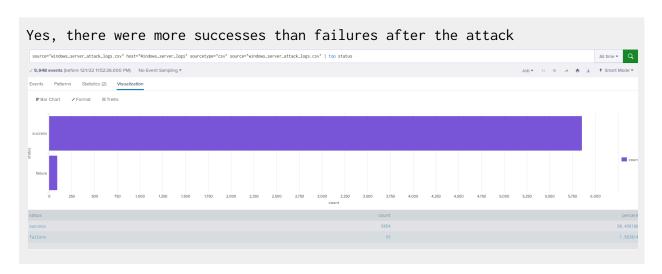
Report Analysis for Severity

Did you detect any suspicious changes in severity?



Report Analysis for Failed Activities

Did you detect any suspicious changes in failed activities?



Alert Analysis for Failed Windows Activity

Did you detect a suspicious volume of failed activity?

Yes

If so, what was the count of events in the hour(s) it occurred?

35

When did it occur?



Would your alert be triggered for this activity?

Yes. It exceeded our threshold

• After reviewing, would you change your threshold from what you previously selected?

No.

Alert Analysis for Successful Logins

• Did you detect a suspicious volume of successful logins?

Yes

• If so, what was the count of events in the hour(s) it occurred?

196 events

Who is the primary user logging in?



When did it occur?

11 am, March 25, 2020



Would your alert be triggered for this activity?

Yes, It exceeded our threshold of 10

 After reviewing, would you change your threshold from what you previously selected?

Yes, we would increase our threshold from 10-25

Alert Analysis for Deleted Accounts

Did you detect a suspicious volume of deleted accounts?

No, we didn't, because our threshold was set to >25

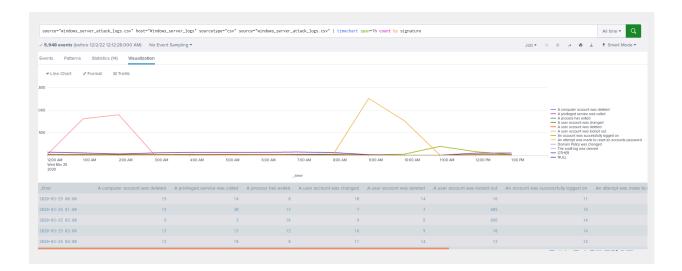
Dashboard Analysis for Time Chart of Signatures

Does anything stand out as suspicious?

Yes

What signatures stand out?

"A user account was locked out" and "An attempt was made to reset an accounts password"



• What time did it begin and stop for each signature?

"A user account was locked out"- started at 1am and stopped 2 am "An attempt was made to reset an accounts password" - started at 9am and stopped at 11 am $^{\circ}$

• What is the peak count of the different signatures?

The peak for "A user account was locked out"-896
The peak for "An attempt was made to reset an accounts password" -1,258

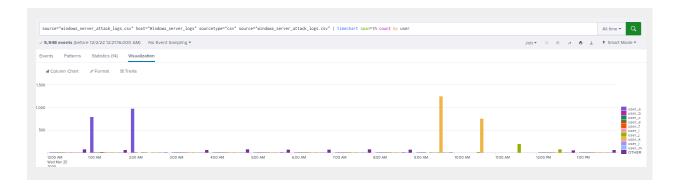
Dashboard Analysis for Users

Does anything stand out as suspicious?

Yes

Which users stand out?

User_a and User_k



• What time did it begin and stop for each user?

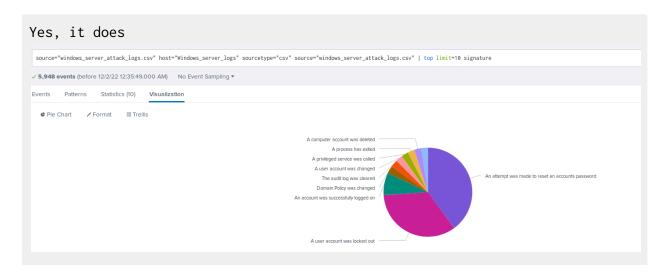
```
For the user_a it started at 1:15am and stopped at 2:15am
For the user_k it started at 9:40am and stopped at 10:40am
```

What is the peak count of the different users?

```
User_a - 984
User_k - 1256
```

Dashboard Analysis for Signatures with Bar, Graph, and Pie Charts

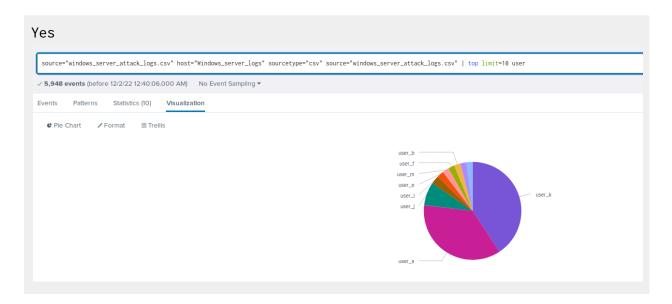
Does anything stand out as suspicious?



Do the results match your findings in your time chart for signatures?

Dashboard Analysis for Users with Bar, Graph, and Pie Charts

Does anything stand out as suspicious?



Do the results match your findings in your time chart for users?

Yes

Dashboard Analysis for Users with Statistical Charts

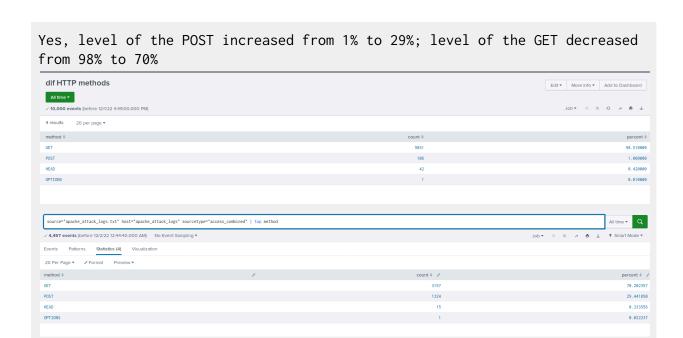
 What are the advantages and disadvantages of using this report, compared to the other user panels that you created?

An advantage is that it is very easy to see outliers and which user it was right away. A disadvantage would be that we cannot see the time and how long each attack took place for on the bar graph, only the line graph shows it.

Apache Web Server Log Questions

Report Analysis for Methods

Did you detect any suspicious changes in HTTP methods? If so, which one?



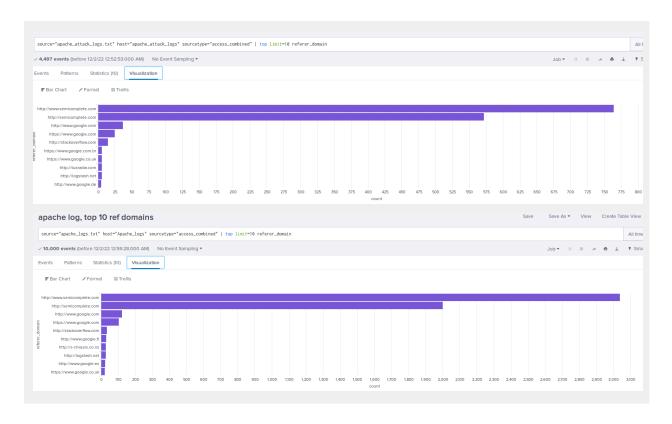
What is that method used for?

The GET method used to retrieve data, and the POST method used to send data to a server to create or update a resource.

Report Analysis for Referrer Domains

Did you detect any suspicious changes in referrer domains?

No



Report Analysis for HTTP Response Codes

Did you detect any suspicious changes in HTTP response codes?



Alert Analysis for International Activity

Did you detect a suspicious volume of international activity?

Yes

If so, what was the count of the hour(s) it occurred in?



Would your alert be triggered for this activity?

Yes

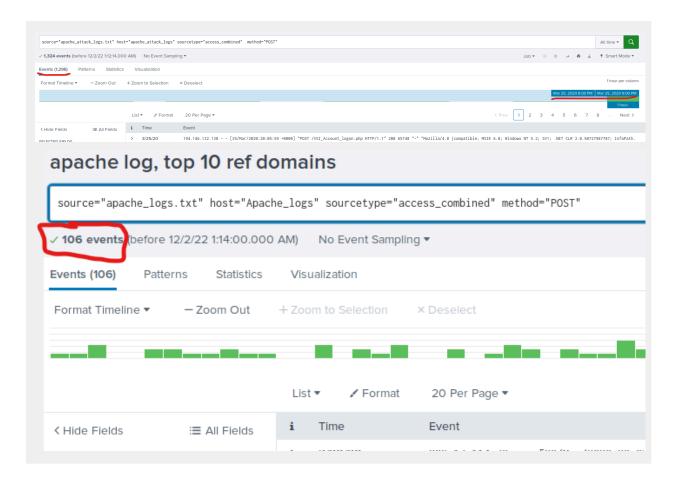
After reviewing, would you change the threshold that you previously selected?

No our threshold was accurate

Alert Analysis for HTTP POST Activity

Did you detect any suspicious volume of HTTP POST activity?

Yes, from 106 events it is increased to 1296



• If so, what was the count of the hour(s) it occurred in?

Between 8pm-9pm

When did it occur?

March 25,2020

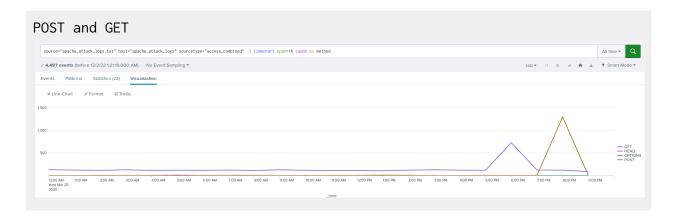
• After reviewing, would you change the threshold that you previously selected?

No, our threshold was accurate

Dashboard Analysis for Time Chart of HTTP Methods

Does anything stand out as suspicious?

Which method seems to be used in the attack?



At what times did the attack start and stop?

GET (attack started at 5pm and stopped at 7pm)
POST (attack started at 7pm and stopped at 9 pm)

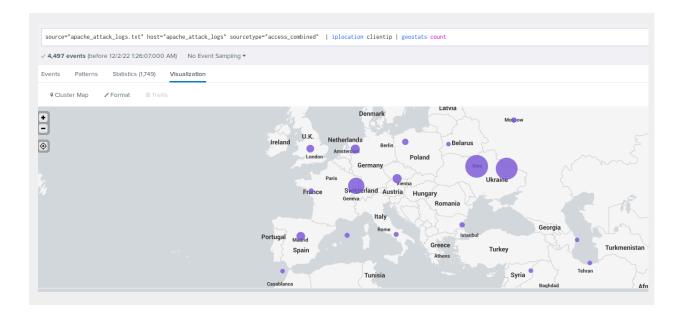
• What is the peak count of the top method during the attack?

POST (1,296) GET (729)

Dashboard Analysis for Cluster Map

Does anything stand out as suspicious?

Yes



Which new location (city, country) on the map has a high volume of activity?
 (Hint: Zoom in on the map.)

```
-the city of Washington D.C, United States
-the city of NYC, United States
-the city of Kiev, Ukrain
-the city of Kharkiv, Ukrain
-the city of Strasbourg, France
```

What is the count of that city?

```
-the city of Washington D.C - 714

-the city of NYC - 549

-the city of Kiev - 439

-the city of Kharkiv - 433

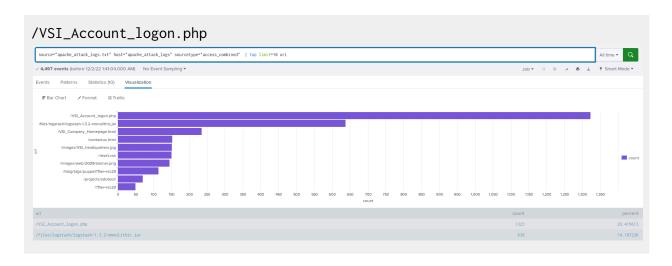
-the city of Strasbourg - 84
```

Dashboard Analysis for URI Data

Does anything stand out as suspicious?

Yes

What URI is hit the most?



Based on the URI being accessed, what could the attacker potentially be doing?

A Brute Force Attack

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