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TryHackMe - Benign



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Challenge Link: https://tryhackme.com/room/benign

Difficulty: Medium

Benign room on *TryHackMe* challenges us to analyze some Splunk logs, in order to find the answers required. All needed logs are ingested with index *win_eventlogs*. Let's go!

• How many logs are ingested from the month of March, 2022?

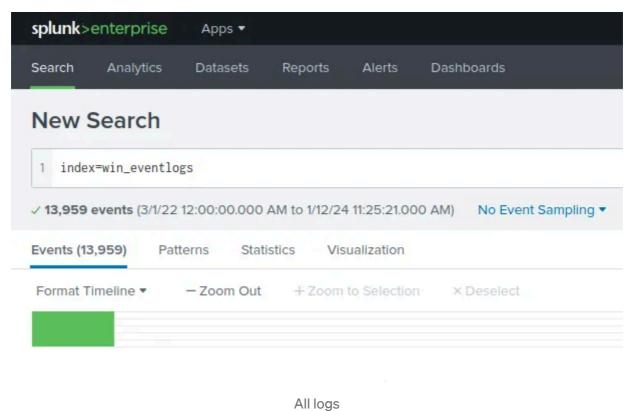
You need to go on the top right side of the panel, near the search button. Click on the dropdown and choose *Date Range*, then select *Since* and look for *March 1st*, then click Apply.

X



Date Range Settings

When you're done, press the green magnifier button, and you will get the total number of logs which correspond to this selection.



O

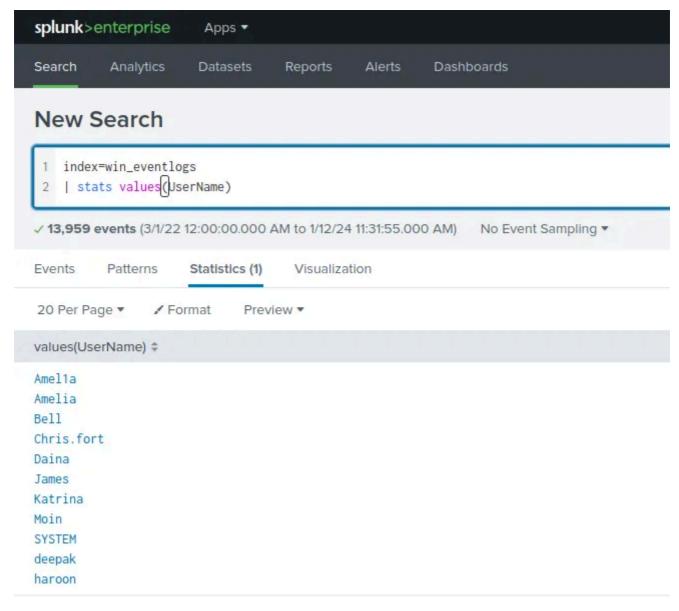
Answer: 13959

• Imposter Alert: There seems to be an imposter account observed in the logs, what is the name of that user?

We have to perform a sort of SELECT DISTINCT query in SQL, for username. But adapted to Splunk. So, we could run the one below:

```
index=win_eventlogs
| stats values(UserName)
```

We will get the following list:



Users

By taking a close look at the beginning of the list, we notice an "i" char was replaced with "1". We got our impostor!

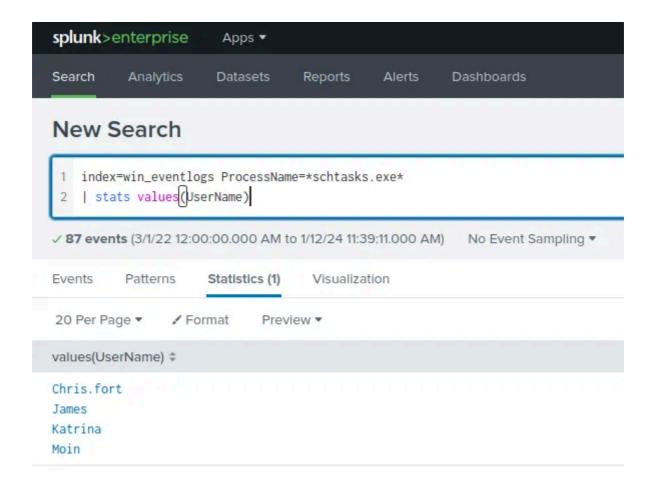
```
Answer: Amel1a
```

• Which user from the HR department was observed to be running scheduled tasks?

Scheduled tasks are executed using schtasks.exe, so, we must filter ProcessName field based on this value. Then, create a similar query as the one above.

```
index=win_eventlogs ProcessName=*schtasks.exe*
| stats values(UserName)
```

We obtain this result:



Users which run scheduled tasks

From the description of the challenge, we know *James, Moin* and *Katrina* are part of the IT department. With this piece of information, the answer to our question is obvious.

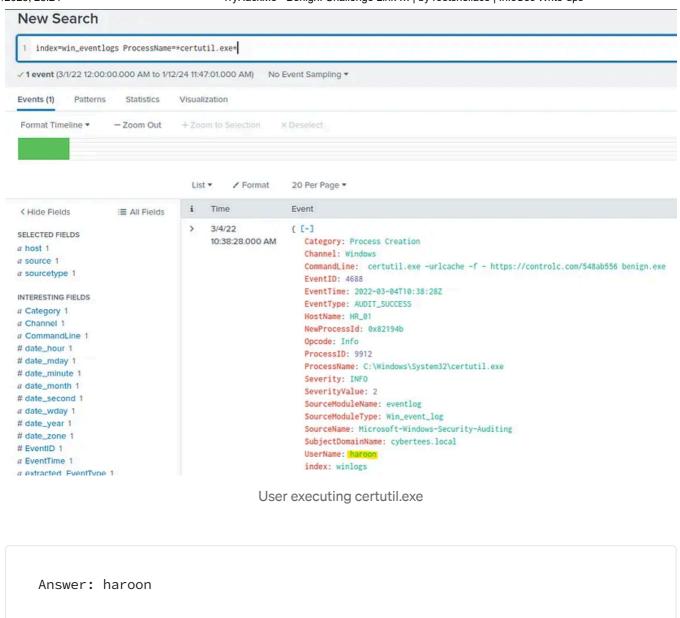
Answer: Chris.fort

• Which user from the HR department executed a system process (LOLBIN) to download a payload from a file-sharing host.

You can verify the site link provided in the hint for this question, *lolbas-project.github.io*, and check which tools can be used for downloading.

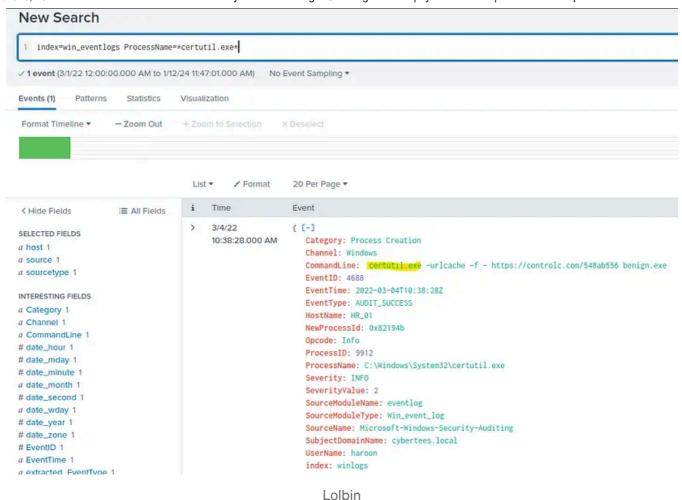
Certutil.exe is a program included in **Windows**, so, it should be found on each machine using this OS. By changing the values of *ProcessName* field to *certutil.exe*, we will find a unique log and our answer is there.

index=win_eventlogs ProcessName=*certutil.exe*



Based on this single log, we are going to discover the answers to the remaining questions.

• To bypass the security controls, which system process (lolbin) was used to download a payload from the internet?

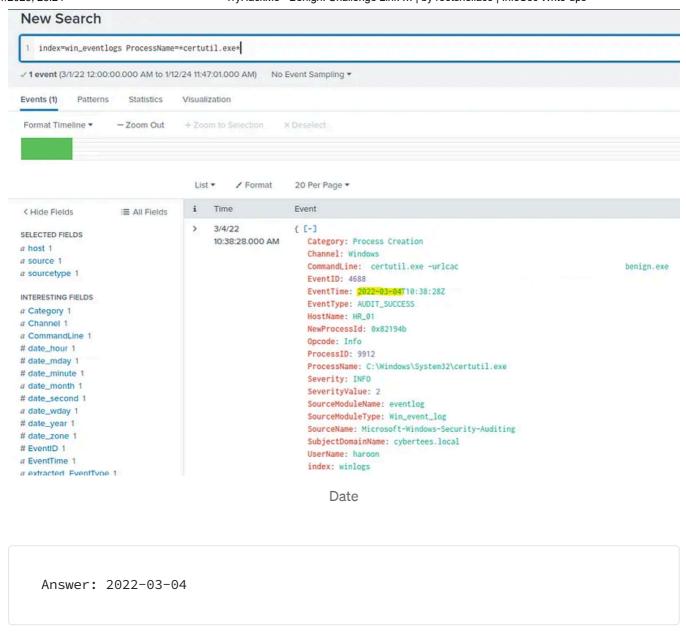


Since *certutil.exe* is already included in *Windows*, it was used to bypass the security controls.

```
Answer: certutil.exe
```

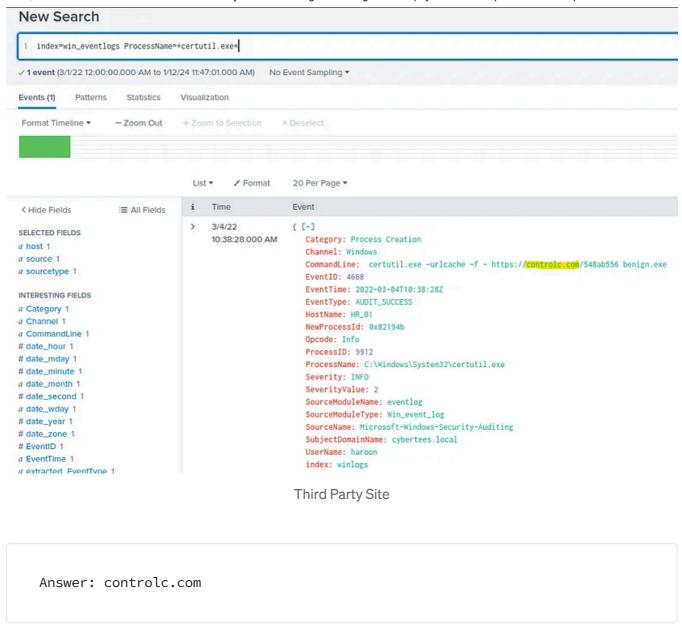
• What was the date that this binary was executed by the infected host? format (YYYY-MM-DD)

Checking *EventTime* field will provide the solution.



• Which third-party site was accessed to download the malicious payload?

The answer is visible in the CommandLine area.



• What is the name of the file that was saved on the host machine from the C2 server during the post-exploitation phase?

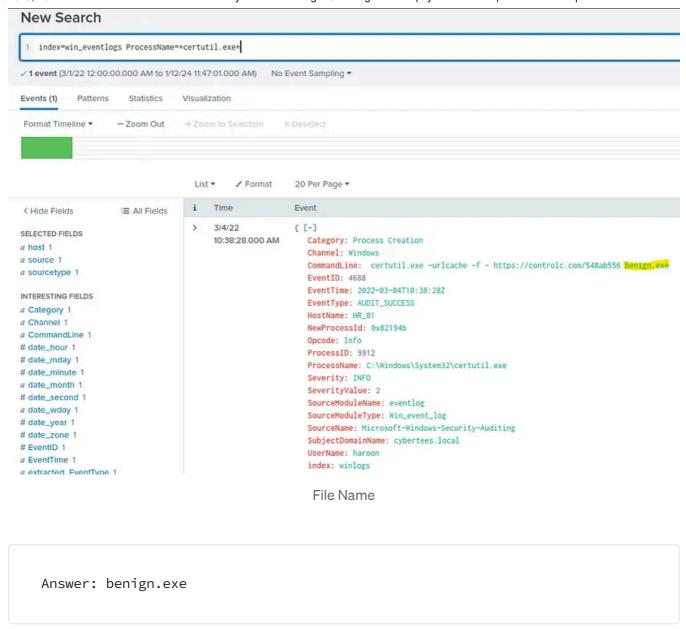
Same line is the one of interest.





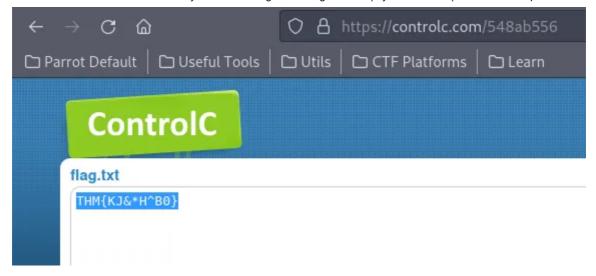






• The suspicious file downloaded from the C2 server contained malicious content with the pattern THM{......}; what is that pattern?

When we access the full link found in *CommandLine*, we will get a page where we have the answer.

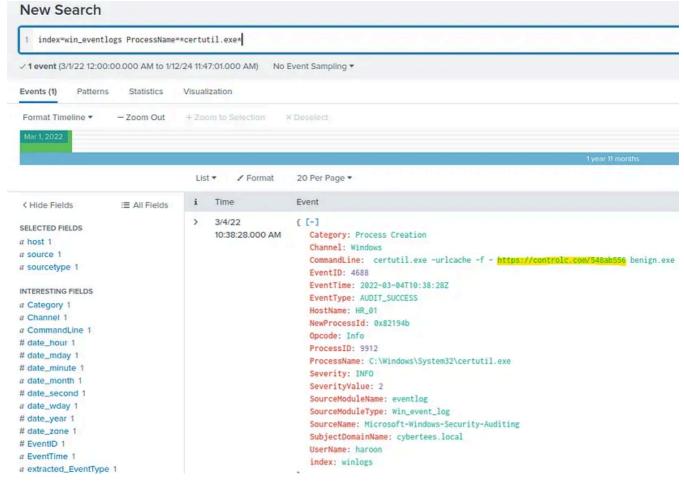


Flag

Answer: THM{KJ&*H^B0}

• What is the URL that the infected host connected to?

Again, CommandLine record has the solution.



Answer: https://controlc.com/548ab556

Thanks for reading! I hope you enjoyed this walkthrough!

Tryhackme

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Written by rootshellace

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A person who enjoys cybersecurity and wants to improve in this domain. Here is my YouTube channel: https://www.youtube.com/channel/UCbchXtedg02wCQweMpf1Mlw

No responses yet



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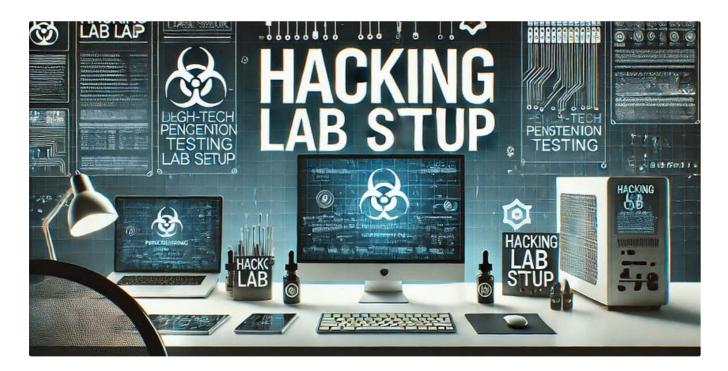


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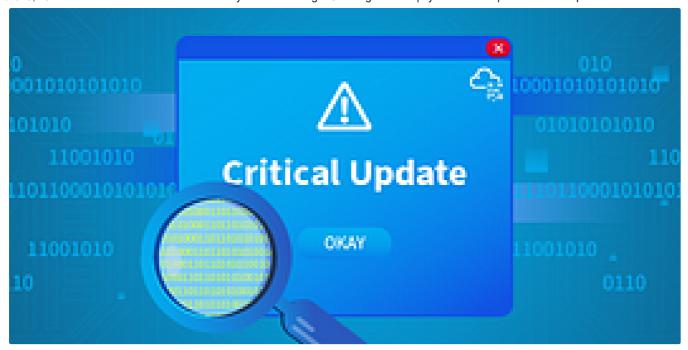
Challenge Link: https://tryhackme.com/room/smaggrotto Difficulty: Easy

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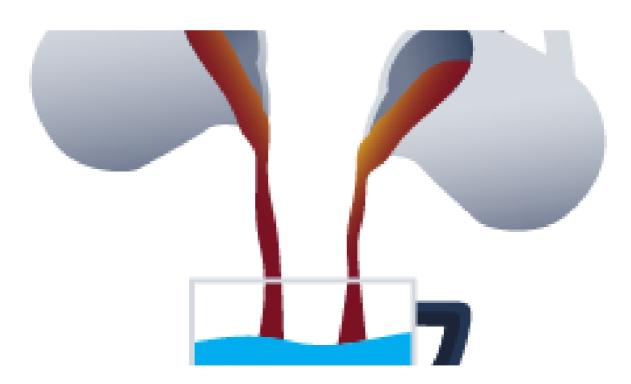
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