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# **TShark Challenge II: Directory**

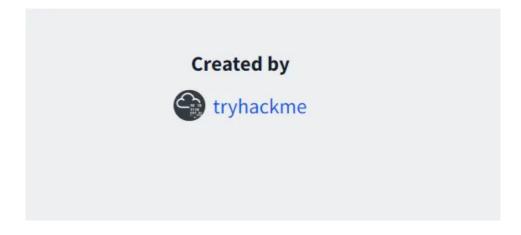


Put your TShark skills into practice and analyse some network traffic.

 $\times$ 



# Kudos to the creator of this room



#### Introduction

This room presents you with a challenge to investigate some traffic data as a part of the SOC team. Let's start working with TShark to analyse the captured traffic. We recommend completing the <a href="TShark: The Basics">TShark: CLI Wireshark Features</a> rooms first, which will teach you how to use the tool in depth.

Start the VM by pressing the green **Start Machine** button in this task. The machine will start in split view, so you don't need SSH or RDP. In case the machine does not appear, you can click the blue **Show Split View** button located at the top of this room.

**NOTE:** Exercise files contain real examples. **DO NOT** interact with them outside of the given VM. Direct interaction with samples and their contents (files, domains, and IP addresses) outside the given VM can pose security threats to your machine.

#### **Case: Directory Curiosity!**

An alert has been triggered: "A user came across a poor file index, and their curiosity led to problems".

The case was assigned to you. Inspect the provided **directory-curiosity.pcap** located in ~/Desktop/exercise-files and retrieve the artefacts to confirm that this alert is a true positive.

Your tools: TShark, VirusTotal.

#### **Answer the questions below**

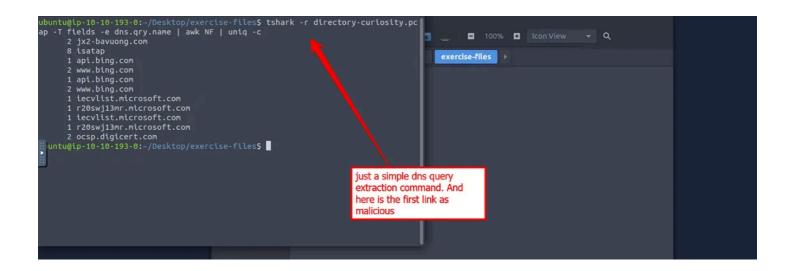
Investigate the DNS queries.

Investigate the domains by using VirusTotal.

According to VirusTotal, there is a domain marked as malicious/suspicious.

What is the name of the malicious/suspicious domain?

(Enter your answer in a **defanged** format.)



Correct Answer - jx2-bavuong[.]com

What is the total number of HTTP requests sent to the malicious domain?

```
ubuntu@ip-10-10-193-0:-/Desktop/exercise-files$ tshark -r directory-curiosity.pcap -T fields -e http.request.full_uri | awk NF | uni
q -c | grep "jx2-bavuong.com/
1 http://jx2-bavuong.com/
1 http://jx2-bavuong.com/icons/blank.gif
1 http://jx2-bavuong.com/icons/binary.gif
1 http://jx2-bavuong.com/favicon.ico
1 http://jx2-bavuong.com/newbot/proxy
1 http://jx2-bavuong.com/newbot/farget
1 http://jx2-bavuong.com/newbot/target.port
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1 http://jx2-bavuong.com/vewbot/botlogger.php
1 http://jx2-bavuong.com/vewbot/botlogger.php
2 ubuntu@ip-10-10-193-0:-/Desktop/exercise-files$
```

Correct Answer — 14

What is the IP address associated with the malicious domain?

(Enter your answer in a defanged format.)

Correct Answer-141[.]164[.]41[.]174

What is the server info of the suspicious domain?

```
Suntu@ip-10-19-0:-/Desktop/exercise-files$ tshark -r directory-curiosity.pcap -T fields -e http.server | awk NF | uniq -c
3 Apache/2.2.11 (Win32) DAV/2 mod_ssl/2.2.11 OpenSSL/0.9.8i PHP/5.2.9
1 Kestrel
10 Apache/2.2.11 (Win32) DAV/2 mod_ssl/2.2.11 OpenSSL/0.9.8i PHP/5.2.9
1 ECS (pab/6F8D)
3 ECS (pab/6F8B)
1 ECS (pab/6F8D)
1 Apache/2.2.11 (Win32) DAV/2 mod_ssl/2.2.11 OpenSSL/0.9.8i PHP/5.2.9
```

Correct Answer — Apache/2.2.11 (Win32) DAV/2 mod\_ssl/2.2.11 OpenSSL/0.9.8i PHP/5.2.9

Follow the "first TCP stream" in "ASCII". Investigate the output carefully.

What is the number of listed files?

Correct Answer — 3

What is the filename of the first file?

(Enter your answer in a defanged format.)

Correct Answer — 123[.]php

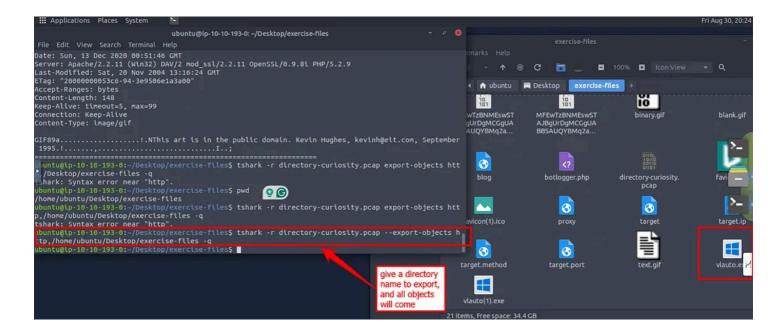
Export all HTTP traffic objects.

tshark -r directory-curiosity.pcap — export-objects http,/home/ubuntu/Desktop/exercise-files -q

- r directory-curiosity.pcap: Reads the packet capture file named directory-curiosity.pcap.
- — export-objects http,/home/ubuntu/Desktop/exercise-files: Extracts and saves all HTTP objects (e.g., files like images, documents) from the packet capture. These objects are stored in the directory /home/ubuntu/Desktop/exercise-files.
- -q: Runs tshark in quiet mode, suppressing the usual packet summary output.

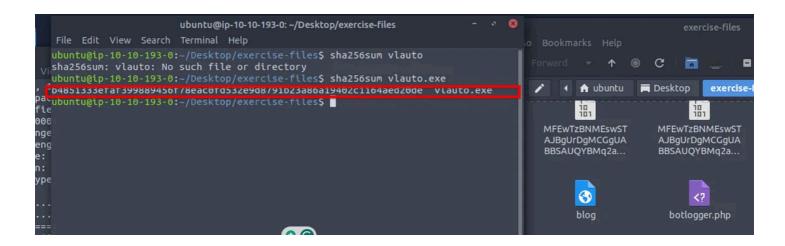
What is the name of the downloaded executable file?

(Enter your answer in a defanged format.)



Correct Answer — vlauto[.]exe

What is the SHA256 value of the malicious file?

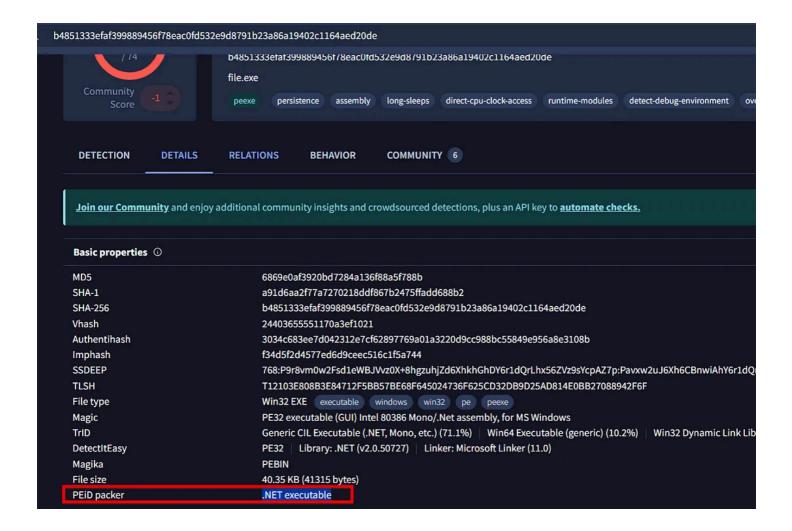


sha256 file\_name (just type in the terminal)

Correct Answer — b4851333efaf399889456f78eac0fd532e9d8791b23a86a19402c1164aed20de

Search the SHA256 value of the file on VirtusTotal.

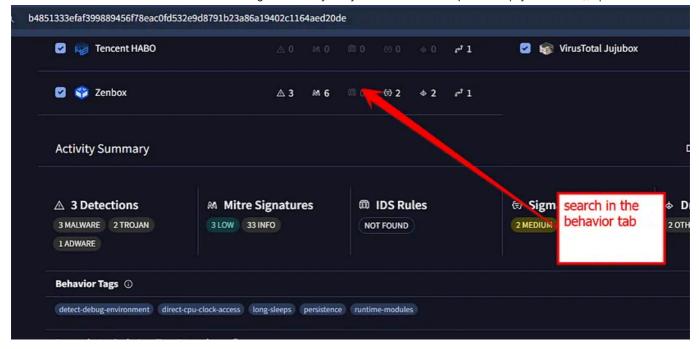
What is the "PEiD packer" value?



Correct Answer - .NET executable

Search the SHA256 value of the file on VirtusTotal.

What does the "Lastline Sandbox" flag this as?





Correct Answer — MALWARE TROJAN

Thank you for reading! 👴

l hope this write-up has provided valuable insights. 👙

If you found it helpful, don't forget to share it with others and leave your thoughts in the comments.

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My LinkedIn — <a href="https://www.linkedin.com/in/manishknayak/">https://www.linkedin.com/in/manishknayak/</a>
Until next time, keep learning, pawn well and stay secure!!!!!!!!!!!!! 

Hacking Cybersecurity Tryhackme Writeup Hackthebox Wirteup





Written by 0xMan1sh 🚀



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Room Link—https://tryhackme.com/r/room/trooper

Aug 7, 2024

Phishing > Phishing Analysis Tools

# Phishing Analysis Tools

Learn the tools used to aid an analyst to investigate suspic

Easy () 30 min



OxMan1sh

#### **Phishing Analysis Tools**

Remember, in Phishing Room 1 we covered how to manually sift through the email raw source code to extract information. In Phishing Room 2...

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See all from 0xMan1sh 🚀

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7	User Name	Name $\forall$	Surname	$\nabla$	Email
3	student1	Student1			stude
4	student2	Student2			stude
5	student3	Student3			stude
9	anatacker	Ana Tacker			
10	THM{Got.the.User}	×			
11	qweqwe	qweqwe			

embossdotar

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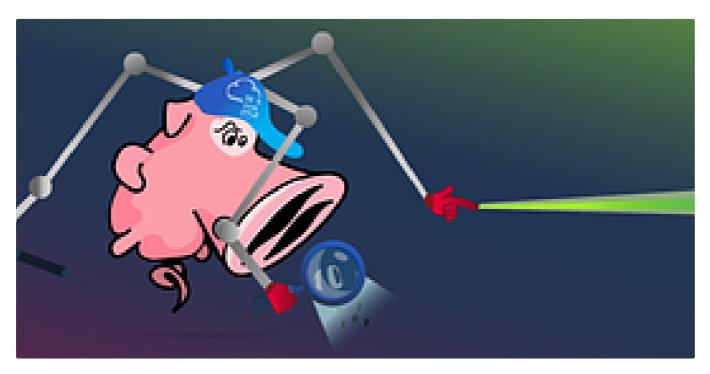
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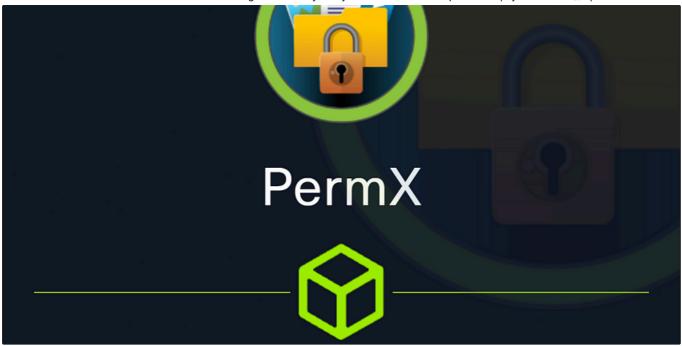


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