

Introduction to Antivirus

EX-NO-10

AIM:

Understand how antivirus software works and what detection techniques are used to bypass malicious file checks.

PROCEDURE:

- Task 1 Introduction
- Task 2 Antivirus Software
- Task 3 Antivirus Features
- Task 4 Deploy the VM
- Task 5 AV Static Detection
- Task 6 Other Detection Techniques
- Task 7 AV Testing and Fingerprinting
- Task 8 Conclusion

Task 1 Introduction :

Answer the questions below

Let's get started!

No answer needed

✓ Correct Answer

Task 2 Antivirus Software :

Answer the questions below

What does AV mean?

Antivirus

✓ Correct Answer

Which PC Antivirus vendor implemented the first AV software on the market?

McAfee

✓ Correct Answer

Antivirus software is a ____-based security solution.

Host

✓ Correct Answer

Task 3 Antivirus Features :

Answer the questions below

Which AV feature analyzes malware in a safe and isolated environment?

✓ Correct Answer

An _____ feature is a process of restoring or decrypting the compressed executable files to the original.

✓ Correct Answer

Read the above to proceed to the next task, where we discuss the AV detection techniques.

✓ Correct Answer

Task 4 Deploy the VM :

Answer the questions below

Once you've deployed the VM, it will take a few minutes to boot up. Then, progress to the next task!

✓ Correct Answer

Task 5 AV Static Detection :

Answer the questions below

What is the `sigtool` tool output to generate an MD5 of the `AV-Check.exe` binary?

✓ Correct Answer

🔍 Hint

Use the strings tool to list all human-readable strings of the AV-Check binary. What is the flag?

✓ Correct Answer

🔍 Hint

Task 6 Other Detection Techniques :

Answer the questions below

Which detection method is used to analyze malicious software inside virtual environments?

✓ Correct Answer

Task 7 AV Testing and Fingerprinting :

Answer the questions below

For the C# AV fingerprint, try to rewrite the code in a different language, such as Python, and check whether VirusTotal flag it as malicious.

✓ Correct Answer

Read the Above!

✓ Correct Answer

Task 8 Conclusion :

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Answer the questions below

Congrats on completing the room, and keep learning!

No answer needed

✓ Correct Answer

RESULT:

Thus the Introduction To Antivirus is completed using tryhackme platform.