EX.No:O9. Deployment of Honeypots and analysis of botnet activities DATE:16/04/2025

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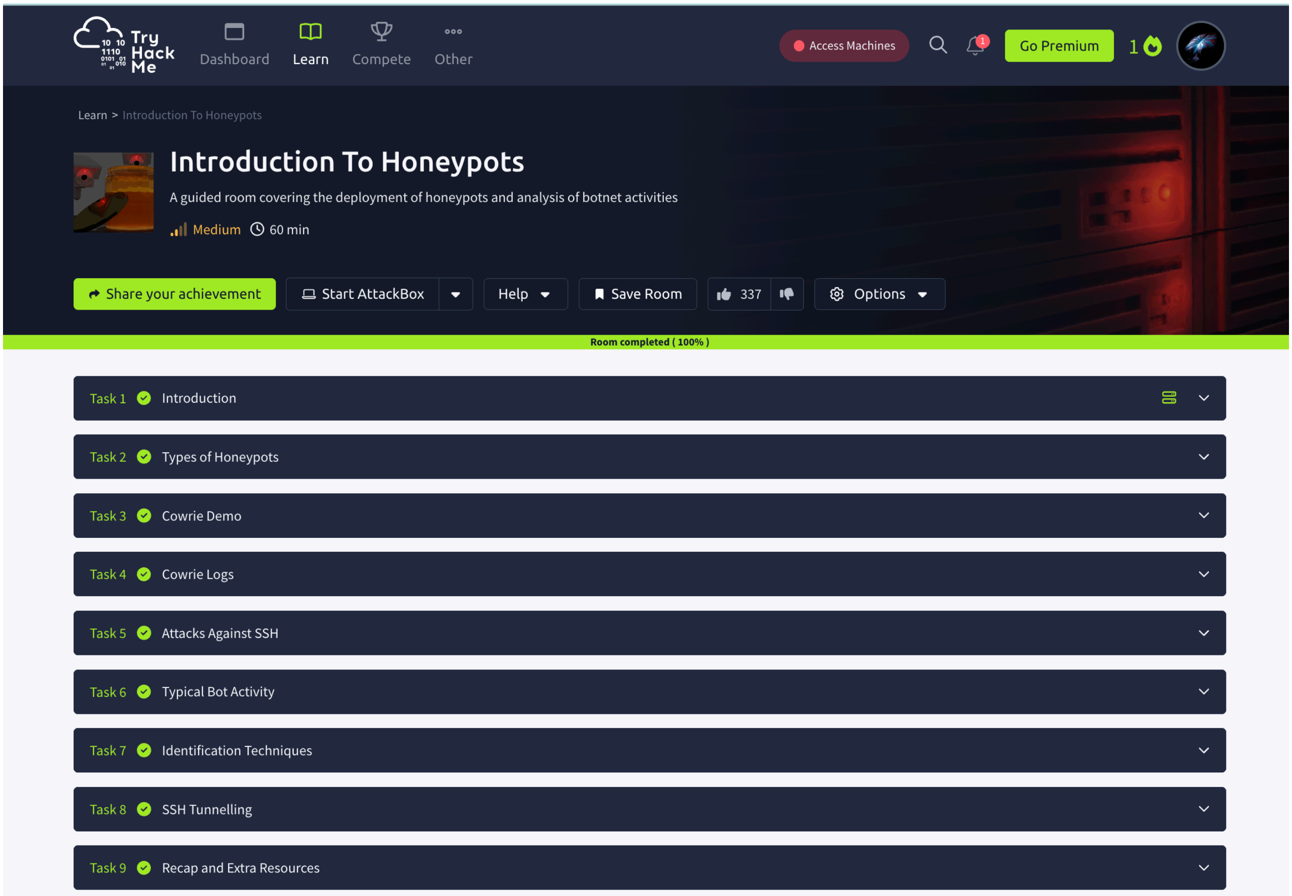
ROLL.NO:231901029

AIM:

A guided room covering the deploying of honeypots and analysis of botnet activity



Learn > Introduction To Honeypots

Introduction To Honeypots

A guided room covering the deployment of honeypots and analysis of botnet activities

Medium 60 min

Room completed (100%)

Task 1 ✓ Introduction

Task 2 ✓ Types of Honeypots

Task 3 ✓ Cowrie Demo

Task 4 ✓ Cowrie Logs

Task 5 ✓ Attacks Against SSH

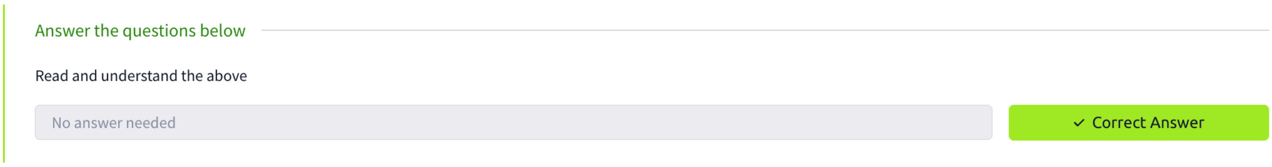
Task 6 ✓ Typical Bot Activity

Task 7 ✓ Identification Techniques

Task 8 ✓ SSH Tunnelling

Task 9 ✓ Recap and Extra Resources

Task 02: Types of honeypots



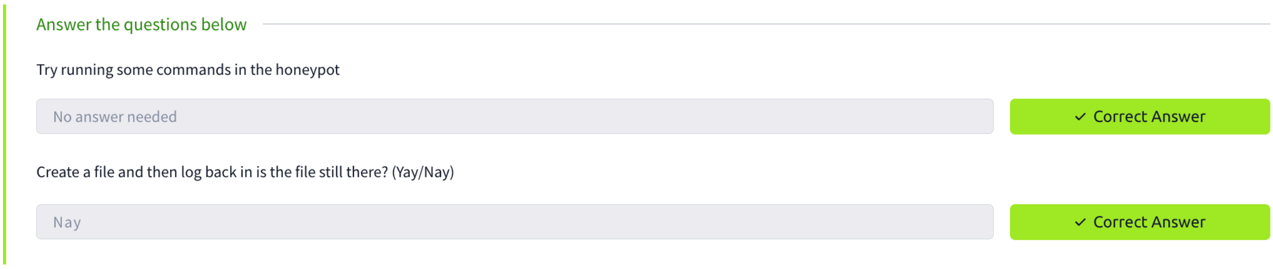
Answer the questions below

Read and understand the above

No answer needed

✓ Correct Answer

Task 03: Cowrie Demo



Answer the questions below

Try running some commands in the honeypot

No answer needed

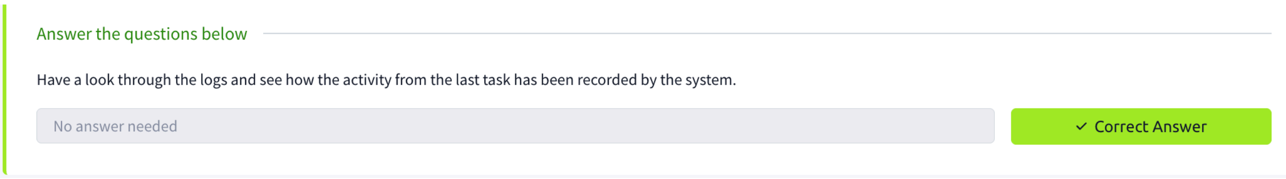
✓ Correct Answer

Create a file and then log back in is the file still there? (Yay/Nay)

Nay

✓ Correct Answer

Task 04: Cowrie Logs

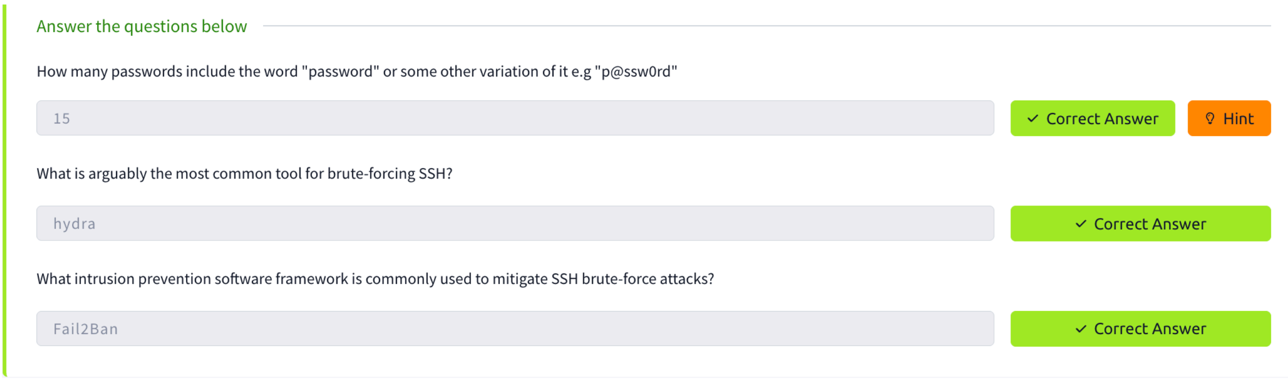


Answer the questions below

Have a look through the logs and see how the activity from the last task has been recorded by the system.

No answer needed

Task 05: Attacks Against SSH



Answer the questions below

How many passwords include the word "password" or some other variation of it e.g "p@ssw0rd"

15

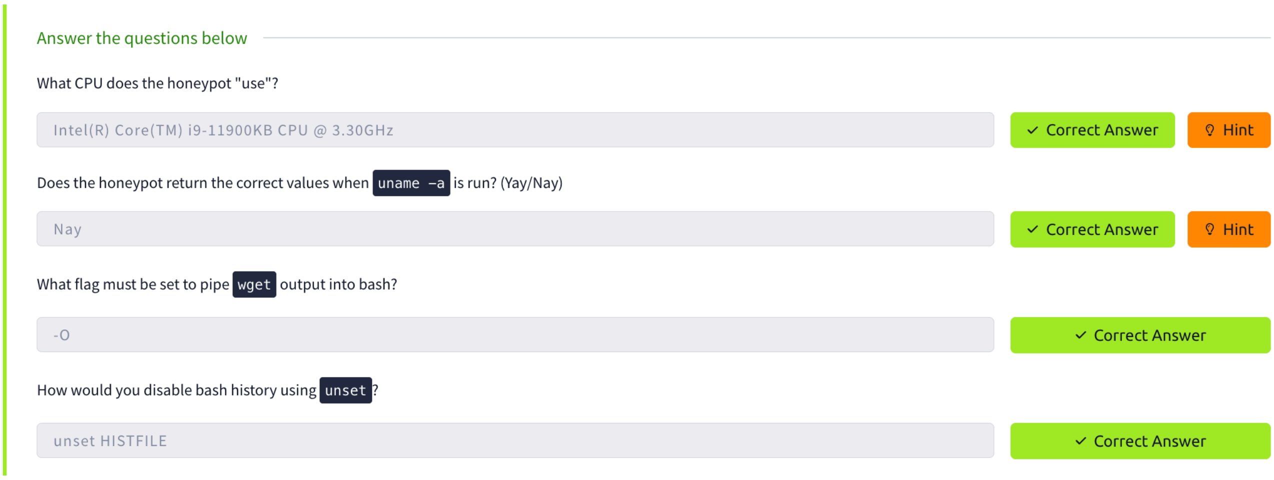
What is arguably the most common tool for brute-forcing SSH?

hydra

What intrusion prevention software framework is commonly used to mitigate SSH brute-force attacks?

Fail2Ban

Task 06:Typical Bot Activity



Answer the questions below

What CPU does the honeypot "use"?

Intel(R) Core(TM) i9-11900KB CPU @ 3.30GHz

Does the honeypot return the correct values when `uname -a` is run? (Yay/Nay)

Nay

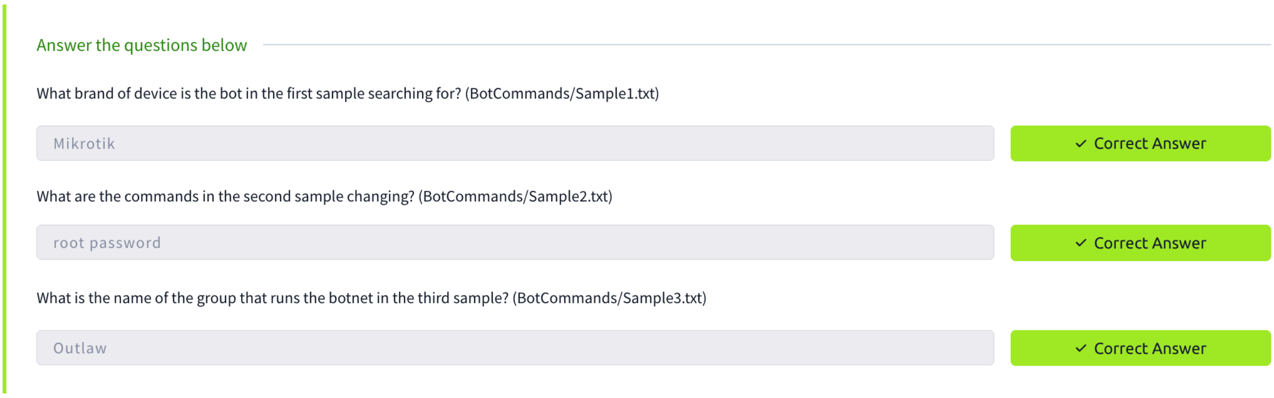
What flag must be set to pipe `wget` output into bash?

-O

How would you disable bash history using `unset`?

unset HISTFILE

Task 07:Identification Techniques



Answer the questions below

What brand of device is the bot in the first sample searching for? (BotCommands/Sample1.txt)

Mikrotik

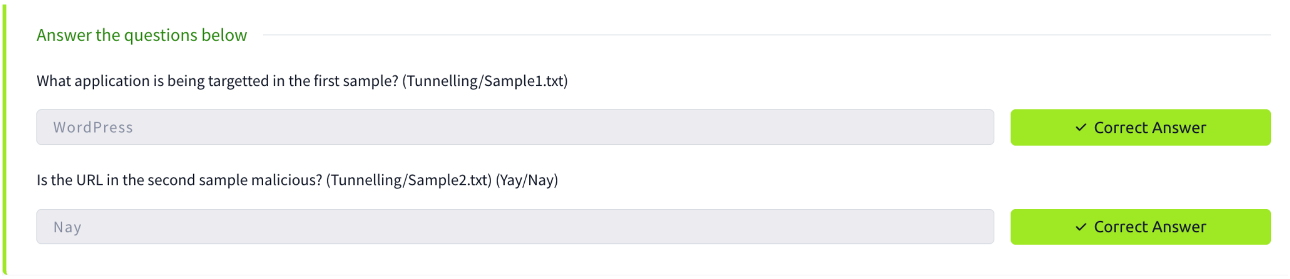
What are the commands in the second sample changing? (BotCommands/Sample2.txt)

root password

What is the name of the group that runs the botnet in the third sample? (BotCommands/Sample3.txt)

Outlaw

Task 08:SSH Tunnelling



Answer the questions below

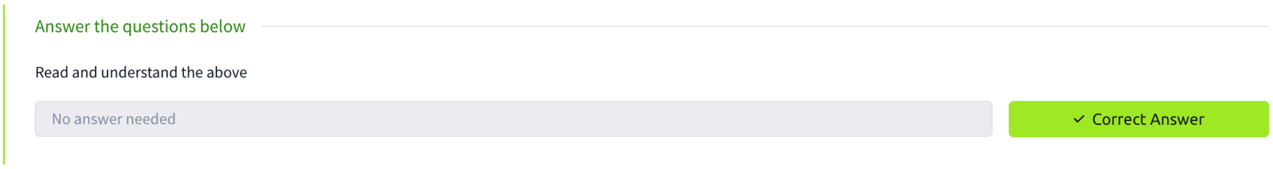
What application is being targetted in the first sample? (Tunnelling/Sample1.txt)

WordPress

Is the URL in the second sample malicious? (Tunnelling/Sample2.txt) (Yay/Nay)

Nay

Task 09: Recap and Extra Responses



Answer the questions below

Read and understand the above

No answer needed