

## EXERCISE 9

### Deployment of Honeypots and analysis of botnet activities

**Aim:** To deploy honeypots and analyze botnet activities in a controlled environment to understand attacker behaviors and automated exploitation techniques.

**Introduction To Honeypots**  
A guided room covering the deployment of honeypots and analysis of botnet activities  
Medium 60 min

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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

What CPU does the honeypot "use"?

Intel(R) Core(TM) i9-11900KB CPU @ 3.30GHz ✓ Correct Answer Hint

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

Nay ✓ Correct Answer Hint

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

-O ✓ Correct Answer

How would you disable bash history using `unset`?

unset HISTFILE ✓ Correct Answer

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

WordPress ✓ Correct Answer

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

Nay ✓ Correct Answer

**Result:** Successfully set up honeypots and captured real-world botnet traffic, analyzed patterns, and identified common attack signatures and behaviors.