EXP-NO:12 Demonstrate Cyber Evasion Techniques

DATE: 24-4-25 **231901016**

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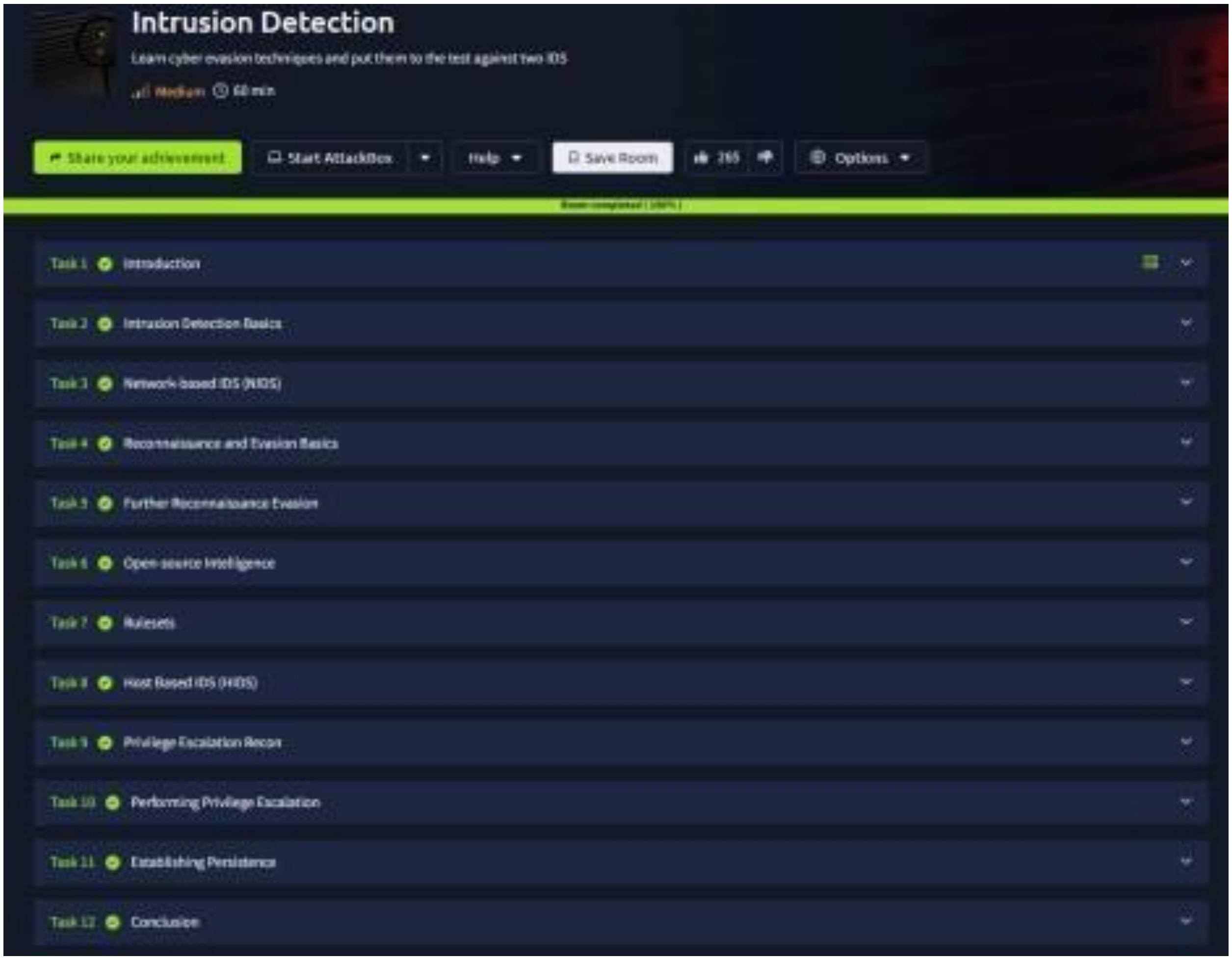
Aim: To learn various cyber evasion techniques and apply them to test the effectiveness of two Intrusion Detection Systems (IDS).



Intrusion Detection

Learn cyber evasion techniques and put them to the test against two IDS

Medium 60 min

Task 1 ✓ Introduction

Task 2 ✓ Intrusion Detection Basics

Task 3 ✓ Network-based IDS (NIDS)

Task 4 ✓ Reconnaissance and Evasion Basics

Task 5 ✓ Further Reconnaissance Evasion

Task 6 ✓ Open-source Intelligence

Task 7 ✓ Rulesets

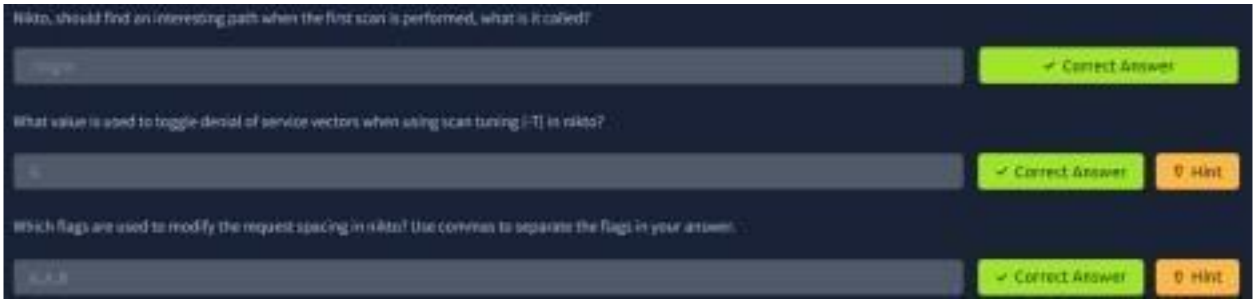
Task 8 ✓ Host Based IDS (HIDS)

Task 9 ✓ Privilege Escalation Recon

Task 10 ✓ Performing Privilege Escalation

Task 11 ✓ Establishing Persistence

Task 12 ✓ Conclusion



Nikto, should find an interesting path when the first scan is performed, what is it called?

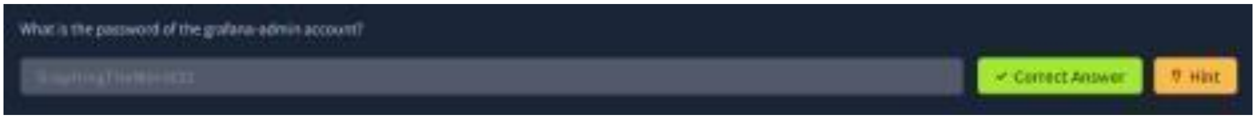
/login

What value is used to toggle denial of service vectors when using scan tuning (-T) in nikto?

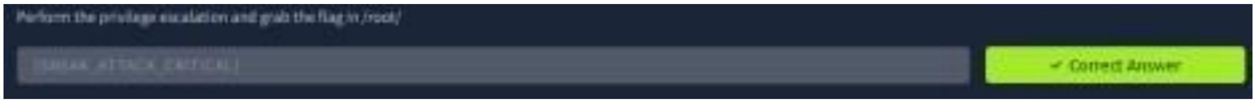
6

Which flags are used to modify the request spacing in nikto? Use commas to separate the flags in your answer.

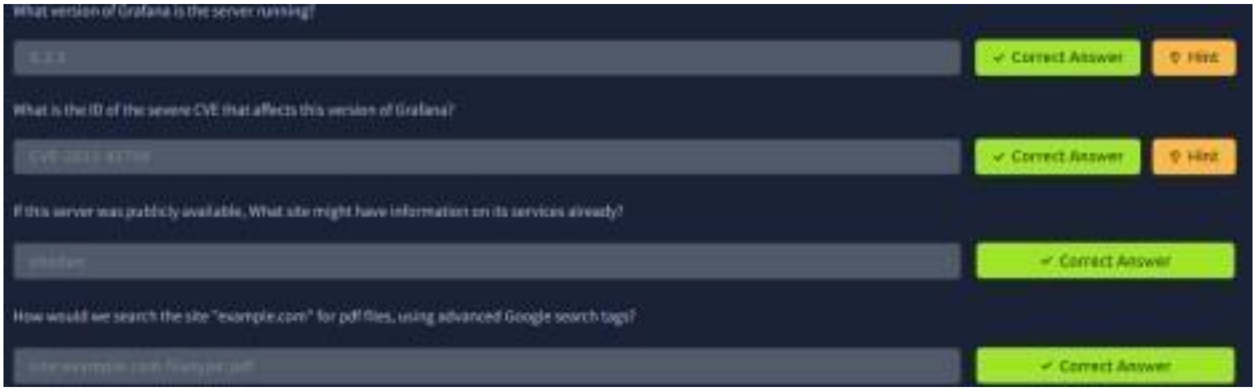
6,A,B


What is the password of the grafana-admin account?

[illegible]


Perform the privilage escalation and grab the flag in /root/

{SMAAK_ATTACK_CRITICAL}


What version of Grafana is the server running?

8.2.3

What is the ID of the severe CVE that affects this version of Grafana?

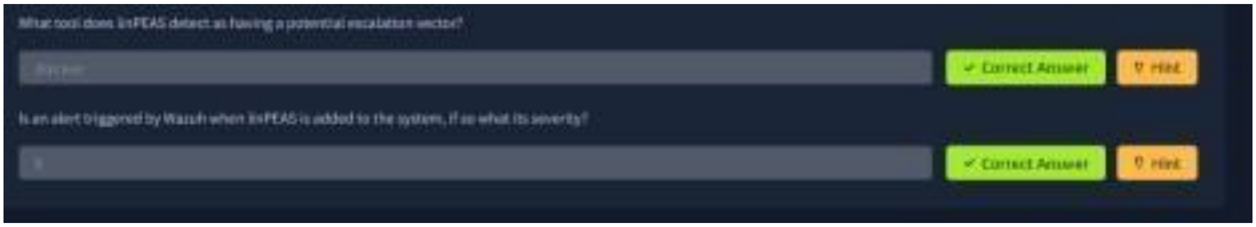
CVE-2021-43798

If this server was publicly available, What site might have information on its services already?

shodan

How would we search the site "example.com" for pdf files, using advanced Google search tags?

site:example.com filetype:pdf


What tool does linPEAS detect as having a potential escalation vector?

docker

Is an alert triggered by Wazuh when linPEAS is added to the system, if so what its severity?

[illegible]

Result: Successfully executed multiple evasion techniques and evaluated their impact, identifying the strengths and weaknesses of both IDS setups against stealthy attack patterns.