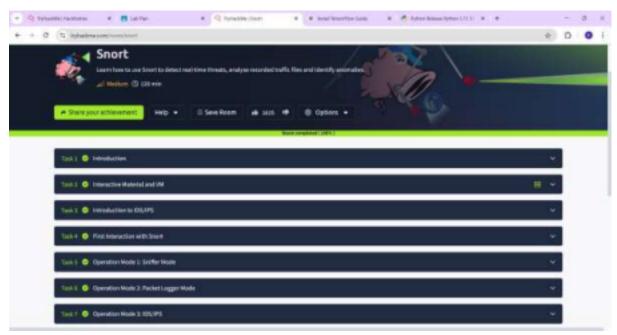
EX NO: 13 DETECTION OF REAL TIME THREATS, ANALYSE RECORDED DATE:

16.04.202 RECORDED TRAFFIC FILES AND IDENTIFY ANOMALIES

ROLL NO:231901062

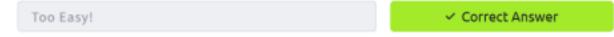
AIM:

Learn how ton use snort to detect real time threats, analyse recorded traffic files and identify anomalies.

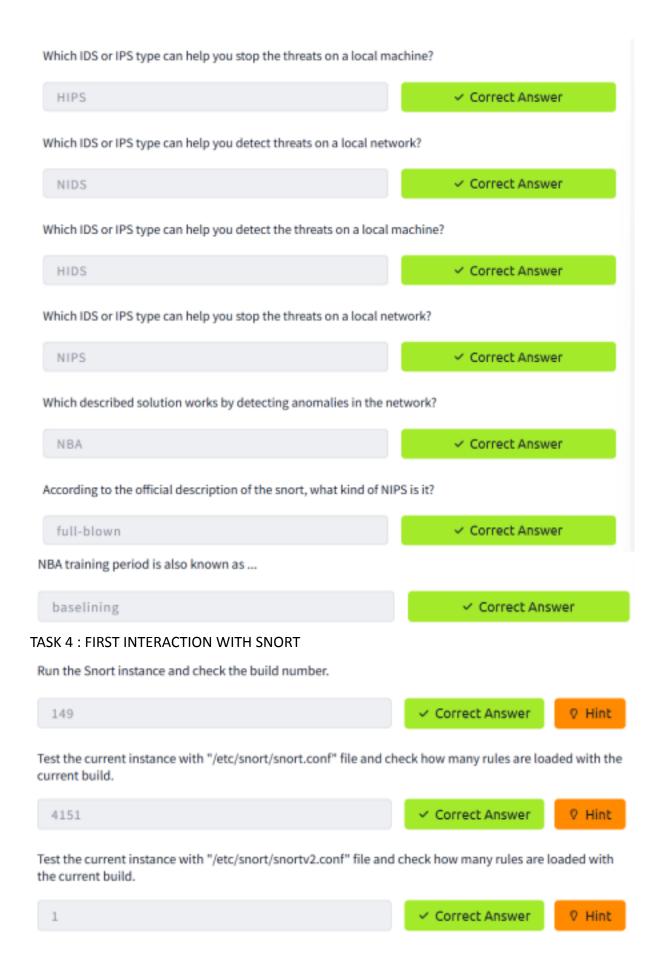


TASK 2: INTERACTIVE MATERIAL AND VM

Navigate to the Task-Exercises folder and run the command "./.easy.sh" and write the output



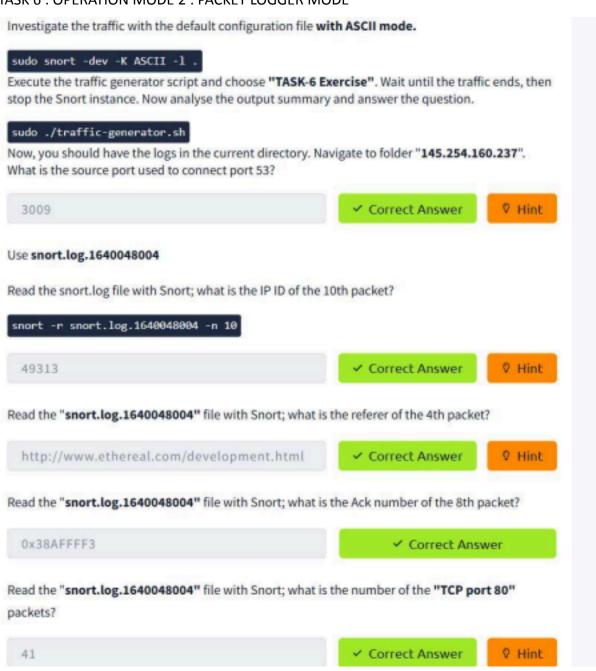
TASK 3: INTRODUCTION TO IDS/IPS



TASK 5: OPERATON MODE 1: SNIFFER MODE

You can practice the parameter combinations by using the traffic-generator script.

No answer needed Correct Answer TASK 6: OPERATION MODE 2: PACKET LOGGER MODE



TASK 7 OPERATION MODE 3: IDS/IPS

Investigate the traffic with the default configuration file.

sudo snort -c /etc/snort/snort.conf -A full -l .

Execute the traffic generator script and choose "TASK-7 Exercise". Wait until the traffic stops, then stop the Snort instance. Now analyse the output summary and answer the question.

sudo ./traffic-generator.sh

What is the number of the detected HTTP GET methods?

You can practice the rest of the parameters by using the traffic-generator script.

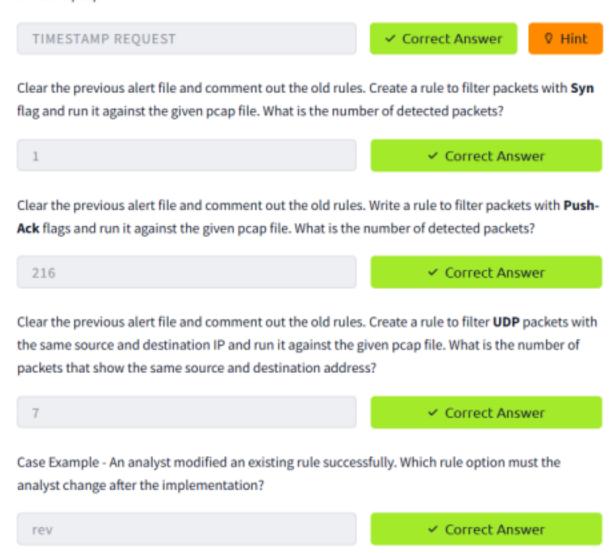
No answer needed Correct Answer

TASK 8: OPERATION MODE 4: PCAP INVESTIGATION

Investigate the mx-1.pcap file with the default configuration file. sudo snort -c /etc/snort/snort.conf -A full -l . -r mx-1.pcap What is the number of the generated alerts? Correct Answer 170 Keep reading the output. How many TCP Segments are Queued? ✓ Correct Answer 18 Keep reading the output. How many "HTTP response headers" were extracted? ✓ Correct Answer 3 Investigate the mx-1.pcap file with the second configuration file. sudo snort -c /etc/snort/snortv2.conf -A full -l . -r mx-1.pcap What is the number of the generated alerts? Correct Answer 68 Investigate the mx-2.pcap file with the default configuration file. sudo snort -c /etc/snort/snort.conf -A full -l . -r mx-2.pcap What is the number of the generated alerts? Correct Answer ♥ Hint 340 Keep reading the output. What is the number of the detected TCP packets? 82 ✓ Correct Answer Investigate the mx-2.pcap and mx-3.pcap files with the default configuration file. sudo snort -c /etc/snort/snort.conf -A full -l . --pcap-list="mx-2.pcap mx-3.pcap" What is the number of the generated alerts? 1020 ✓ Correct Answer

TASK 9 SNORT RULE STRUCTURE

Use "task9.pcap". Write a rule to filter IP ID "35369" and run it against the given pcap file. What is the request name of the detected packet? You may use this command: "snort -c local.rules -A full -l . -r task9.pcap"



TASK 10 SNORT2 OPERATION LOGIC : POINT TO REMEMBER CONCLUSION:

Detection of real time threrats, analyse recorded traffic files and identify anomalies task is successfully completed.