AIM:

An intro to log analysis, best practices and essential tools for effective detection and response.

TASK 3 : INVESTIGATION THEORY

Answer the questions below

What's the term for a consolidated chronological view of logged events from diverse sources, often used in log analysis and digital forensics?

| Super Timeline | ✓ Correct Answer |

Which threat intelligence indicator would `5b31f93c09ad1d065c0491b764d04933` and `763f8bdbc98d105a8e82f36157e98bbe` be classified as?

| File Hashes | ✓ Correct Answer |

TASK 4 : DETECTION ENGINEERING

Answer the questions below

What is the default file path to view logs regarding HTTP requests on an Nginx server?

| /var/log/nginx/access.log | ✓ Correct Answer |

A log entry containing `%2E%2E%2F%2E%2E%2Fproc%2Fself%2Fenviron` was identified. What kind of attack might this infer?

| Path Traversal | ✓ Correct Answer |

TASK 5 : AUTOMATED VS.MANUAL ANALYSIS

Answer the questions below

A log file is processed by a tool which returns an output. What form of analysis is this?

Automated	✓ Correct Answer

An analyst opens a log file and searches for events. What form of analysis is this?

Manual	✓ Correct Answer

TASK 6 : LOG ANALYSIS TOLLS : COMMAND LINE

Answer the questions below

Use `cut` on the `apache.log` file to return only the URLs. What is the flag that is returned in one of the unique entries?

c701d43cc5a3acb9b5b04db7f1be94f6	✓ Correct Answer	♀ Hint

In the `apache.log` file, how many total HTTP 200 responses were logged?

52	✓ Correct Answer	♀ Hint

In the `apache.log` file, which IP address generated the most traffic?

145.76.33.201	✓ Correct Answer	♀ Hint

What is the complete timestamp of the entry where `110.122.65.76` accessed `/login.php` ?

31/Jul/2023:12:34:40 +0000	✓ Correct Answer	♀ Hint

TASK 7 : LOG ANALYSIS TOOLS : REGULAR EXPRESSIONS

Answer the questions below

How would you modify the original `grep` pattern above to match blog posts with an ID between 20-29?

post=2[0-9]	✓ Correct Answer	♀ Hint

What is the name of the filter plugin used in Logstash to parse unstructured log data?

Grok	✓ Correct Answer

TASK 8 : LOG ANALYSIS TOOLS : CYBERCHEF

Answer the questions below

Locate the "loganalysis.zip" file under `/root/Rooms/introloganalysis/task8` and extract the contents.

No answer needed	✓ Correct Answer

Upload the log file named "access.log" to CyberChef. Use regex to list all of the IP addresses. What is the full IP address beginning in 212?

212.14.17.145	✓ Correct Answer

Using the same log file from Question #2, a request was made that is encoded in base64. What is the decoded value?

THM{CYBERCHEF_WIZARD}	✓ Correct Answer

Using CyberChef, decode the file named "encodedflag.txt" and use regex to extract by MAC address. What is the extracted value?

08-2E-9A-4B-7F-61	✓ Correct Answer

TASK 9 : LOG ANALYSIS TOOLS : YARA AND SIGMA

Answer the questions below

What languages does Sigma use?

YAML

✓ Correct Answer

What keyword is used to denote the "title" of a Sigma rule?

title

✓ Correct Answer
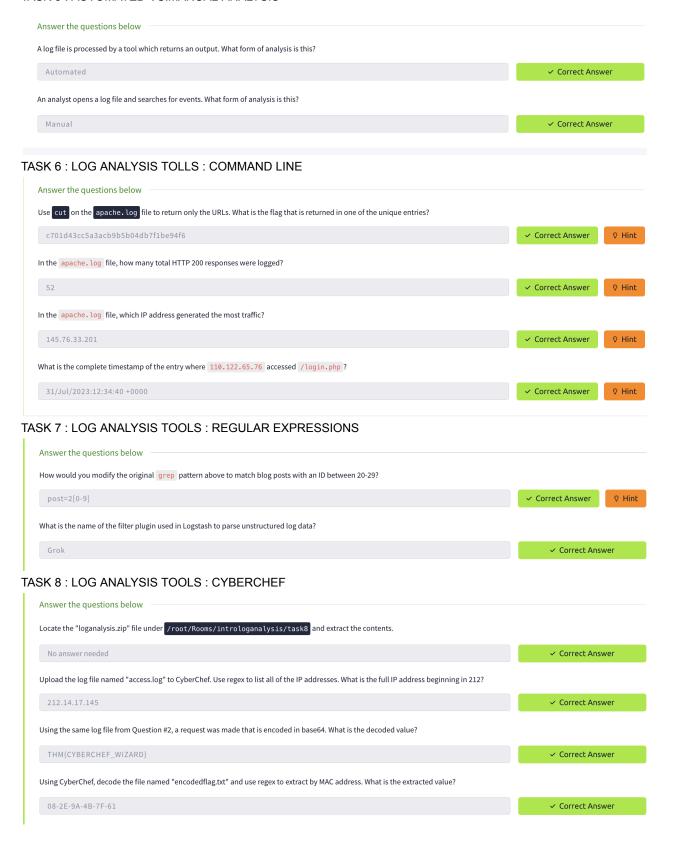
What keyword is used to denote the "name" of a rule in YARA?

rule

✓ Correct Answer

RESULT :
An intro to log analysis, best practices and essential tools for effective detection and response learned and successfully executed.