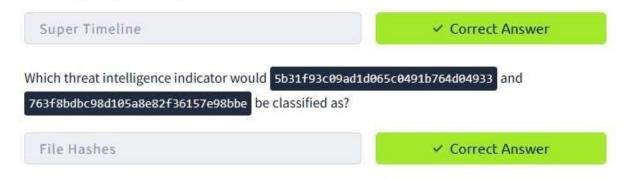
AIM:

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



TASK 3: INVESTIGATION THEORY

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



TASK 4: DETECTION ENGINEERING

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%2E%2E%2Eproc%2Fself%2Fenviron was identified. What kind of attack might this infer? Path Traversal ✓ Correct Answer TASK 5: AUTOMATED VS.MANUAL ANALYSIS 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? ✓ Correct Answer Manual TASK 6: LOG ANALYSIS TOLLS: COMMAND LINE 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 O 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? ✓ Correct Answer 31/Jul/2023:12:34:40 +0000

TASK 7: LOG ANALYSIS TOOLS: REGULAR EXPRESSIONS

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? ✓ Correct Answer Grok TASK 8: LOG ANALYSIS TOOLS: CYBERCHEF Locate the "loganalysis.zip" file under /root/Rooms/introloganalysis/task8 and extract the contents. ✓ Correct Answer No answer needed 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? ✓ Correct Answer 212.14.17.145 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

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?

RESULT:

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