EX NO: 8 PERFORM ROOTKIT DETECTION AND REMOVAL USING RKHUNTER Tool Date:6-4-25

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AIM:

Perform real-time file system analysis on a Linux system to identify an attacker's

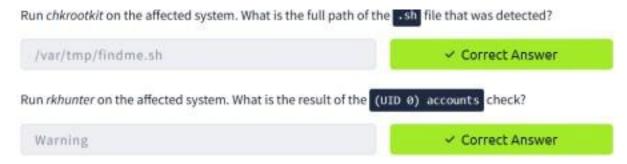
artefacts. TASK 2: INVESTIGATION SETUP



TASK 4: USERS AND GROUPS

Investigate the user accounts on the system. What is the name of the backdoor account that the attacker created? Correct Answer b4ckd00r3d O Hint What is the name of the group with the group ID of 46? Correct Answer plugdev View the /etc/sudgers file on the compromised system. What is the full path of the binary that Jane can run as sudo /usr/bin/pstree Correct Answer TASK 5: USER DIRECTORIES AND FILES View Jane's .bash history file. What flag do you see in the output? THM[f38279ab9c6af1215815e5f7bbad891b] Correct Answer What is the hidden flag in Bob's home directory? THM(6ed90e00e4fb7945bead8cd59e9fcd7f) ✓ Correct Answer Run the stat command on Jane's authorized keys file. What is the full timestamp of the most recent modification? Correct Answer 2024-02-13 00:34:16.005897449 +0000 TASK 6: BINARIES AND EXECUTABLES Run the debsums, utility on the compromised host to check only configuration files. Which file came back as altered? Correct Answer /etc/sudoers What is the mdSsum of the binary that the attacker created to escalate privileges to root? 7063c3930affe123baecd3b340f1ad2c Correct Answer

TASK 7: ROOTKITS



CONCLUSION:

Rootkit detection and removal using rkhunter tool is successfully performed.