CS0-001 Q&As

CompTIA Cybersecurity Analyst

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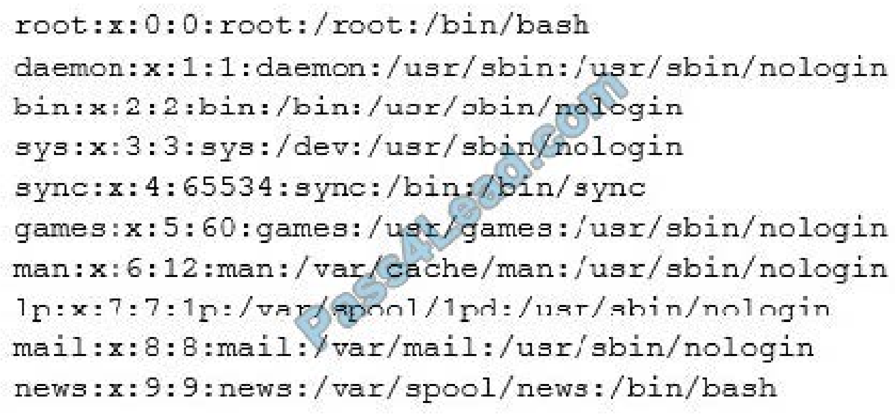
QUESTION 1

An analyst is examining a system that is suspected of being involved in an intrusion. The analyst uses the command `cat/etc/passwd\\' and receives the following partial output: Based on the above output, which of the following should the analyst investigate further?



```
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/bin/bash
```

A. User `daemon\\' should not have a home directory of /usr/sbin

B. User `root\\' should not have a home directory of /root

C. User `news\\' should not have a default shell of /bin/bash

D. User `mail\\' should not have a default shell of /usr/sbin/nologin

Correct Answer: C

QUESTION 2

Which of the following tools should a cybersecurity analyst use to verify the integrity of a forensic image before and after an investigation?

A. strings

B. sha1sum

C. file

D. dd

E. gzip

Correct Answer: B

QUESTION 3

An analyst was testing the latest version of an internally developed CRM system. The analyst created a basic user account. Using a few tools in Kali\\'s latest distribution, the analyst was able to access configuration files, change permissions on folders and groups, and delete and create new system objects. Which of the following techniques did the analyst use to perform these unauthorized activities?

A. Impersonation

B. Privilege escalation

C. Directory traversal

D. Input injection

Correct Answer: C

QUESTION 4

An analyst finds that unpatched servers have undetected vulnerabilities because the vulnerability scanner does not have the latest set of signatures. Management directed the security team to have personnel update the scanners with the latest signatures at least 24 hours before conducting any scans, but the outcome is unchanged. Which of the following is the BEST logical control to address the failure?

A. Configure a script to automatically update the scanning tool.

B. Manually validate that the existing update is being performed.

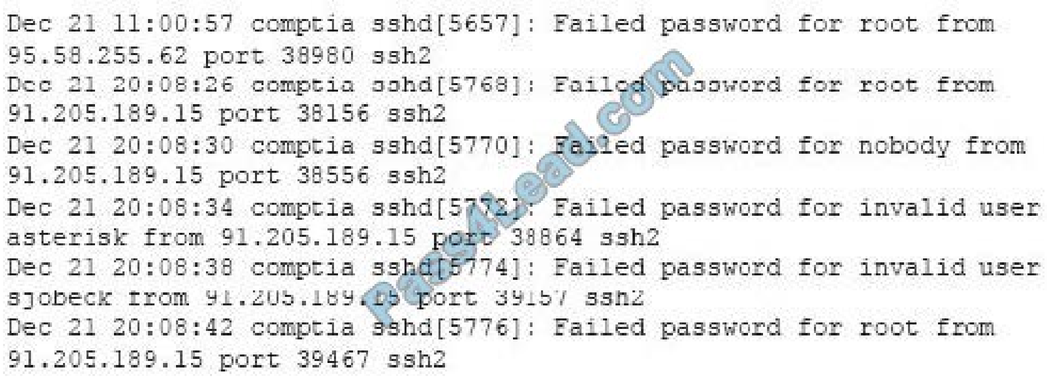
C. Test vulnerability remediation in a sandbox before deploying.

D. Configure vulnerability scans to run in credentialed mode.

Correct Answer: A

QUESTION 5

A security analyst is reviewing the following log after enabling key-based authentication.



```
Dec 21 11:00:57 comptia sshd[5657]: Failed password for root from
95.58.255.62 port 38980 ssh2
Dec 21 20:08:26 comptia sshd[5768]: Failed password for root from
91.205.189.15 port 38156 ssh2
Dec 21 20:08:30 comptia sshd[5770]: Failed password for nobody from
91.205.189.15 port 38556 ssh2
Dec 21 20:08:34 comptia sshd[5772]: Failed password for invalid user
asterisk from 91.205.189.15 port 38864 ssh2
Dec 21 20:08:38 comptia sshd[5774]: Failed password for invalid user
sjobeck from 91.205.189.15 port 39157 ssh2
Dec 21 20:08:42 comptia sshd[5776]: Failed password for root from
91.205.189.15 port 39467 ssh2
```

Given the above information, which of the following steps should be performed NEXT to secure the system?

A. Disable anonymous SSH logins.

B. Disable password authentication for SSH.

C. Disable SSHv1.

D. Disable remote root SSH logins.

Correct Answer: B

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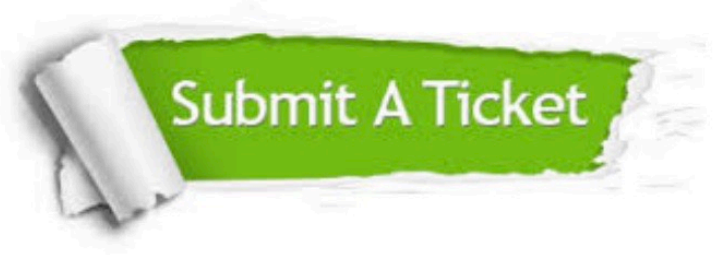

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