

Exam : HP HP0-P17

**Title : HP-UX 11i v3 Security
Administration**

Version : Demo

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1. After running `/usr/sbin/pwck`, the following output is displayed:

```
smbnull:*:101:101::/home/smbnull:/sbin/sh
```

```
    Login directory not found
```

What should you do to tighten the security?

- A. Nothing - it is a valid system user ID.
- B. Nothing - it is used by CIFS/Samba to represent "nobody" with a positive UID.
- C. Edit the `/etc/passwd` entry to specify a dummy login directory and a false login shell.
- D. Delete it from `/etc/passwd`. Opensource Samba installs it by default and it is not required on HP-UX.

Answer: C

2. Which `chattr` syntax enables buffer overflow protection on a per-binary basis?

- A. `chattr +b enable <binary>`
- B. `chattr -es enable <binary>`
- C. `chattr +es enable <binary>`
- D. `chattr +bo enable <binary>`
- E. `chattr +es default <binary>`

Answer: C

3. What is the effect of the `coreadm -e global-setid` command?

- A. edits the core dump file
- B. reads and interprets the core dump file
- C. enables the kernel for system crash dumps
- D. enables `setuid/setgid` core dumps system wide
- E. causes all running `setuid` programs to generate a core file

Answer: D

4. Identify ways HP Process Resource Manager (PRM) can protect a system against poorly designed applications. (Select three.)

- A. PRM can limit the amount of memory applications may consume.
- B. PRM can limit the amount of swap space applications may consume.
- C. PRM can limit the amount of disk bandwidth applications may consume.
- D. PRM can limit the amount of CPU resources applications may consume.
- E. PRM can limit the amount of network bandwidth applications may consume.
- F. PRM can limit the number of inbound network connections to configured applications.

Answer: ACD

5. What is a limitation of HP Process Resource Manager (PRM) as it applies to Denial of Service (DoS) attacks?

- A. Processes must be grouped before they can be managed.

- B. PRM does not perform memory capping; only entitlement and selection.
- C. PRM only applies to time-shared processes; real-time processes are not affected.
- D. PRM requires a separate configuration file for time-shared and real-time processes.

Answer: C

6. After running `kctune executable_stack=2`, what happens if MyProg executes code from the stack?

- A. MyProg continues running without incident.
- B. MyProg is killed before a single instruction can be executed.
- C. MyProg continues, but logs a warning to `/var/adm/syslog/syslog.log`.
- D. MyProg continues, but a warning message is logged to the kernel message buffer.

Answer: D

7. Click the Exhibit button.

You used the `dmesg` command to display the warning shown in the exhibit. Which kernel parameter setting makes this warning message appear?

```
WARNING: UID #123 may have attempted a buffer overflow attack.  
PID#1234 (myprog) has been terminated. See the '+es enable'  
option of chattr(1).
```

- A. `kill_overflow` is set to 1
- B. `exc_stack_code` is set to 0
- C. `buffer_overflow` is set to 1
- D. `executable_stack` is set to 0

Answer: D

8. Which benefits does `chroot` provide to an application from a security perspective? (Select three.)

- A. forces an application to start in a specified directory
- B. allows the users to do a `cd` above the specified directory
- C. prevents an application from starting in a specified directory
- D. prevents the users from doing a `cd` above the specified directory
- E. allows the users of the application access to the directory and the directories below it
- F. prevents the users of the application access to the directory and the directories below it

Answer: ADE

9. Which commands configure an application to operate within a secure compartment? (Select two.)

- A. `privrun`
- B. `privedit`
- C. `setrules`
- D. `cmdprivadm`
- E. `setfilexsec`

Answer: DE

10. Some open source software tools use the /usr/local/sbin and /usr/local/src directories. What should you do with the /usr/local directory to maintain a secure system?

- A. Verify that /usr/local and its subdirectories are not world writable.
- B. Remove /usr/local/bin and /usr/local/sbin from the user's PATH variable.
- C. Set permissions on /usr/local and its subdirectories to 047 so all users have access.
- D. Use the `swlist -l file | grep /usr/local` command to see all files installed in those directories.

Answer: A

11. Encrypted Volume and File System (EVFS) uses which type of key to encrypt data?

- A. digital certificate
- B. RSA-1024 bit public key
- C. RSA-2048 bit private key
- D. AES-128 bit symmetric key
- E. AES-256 bit asymmetric key

Answer: D

12. Identify where Encrypted Volume and File System (EVFS) protects data.

- A. in transit
- B. in the kernel
- C. over the network
- D. on the storage device

Answer: D

13. Which tool is recommended for providing file integrity information?

- A. hash
- B. cksum
- C. crypt
- D. md5sum

Answer: D

14. How can you grant NFS filesystem access to specific users as opposed to all users? (Select two.)

- A. Specify the desired users to the /etc/dfs/sharetab entry for the mount point using the format "-access=user1:user2:user3".
- B. Add the desired users to an ACL and set the permissions of the shared filesystem such that only members of the ACL can access the data.
- C. Add the desired users to a group and set the permissions of the shared filesystem such that only members of the group can access the data.
- D. Add the desired users to a netgroup and specify the netgroup in the /etc/dfs/sharetab entry for the mount

point using the format "-access=netgroup".

Answer: BC

15. Which product encrypts data on zx2-based Integrity servers?

- A. HP-UX VxFS filesystem
- B. HP-UX Encryption Module
- C. HP-UX Trusted Computing Services
- D. HP-UX Integrity Trusted Platform Module

Answer: C

16. Where can an HP-UX 11i v3 EVFS-encrypted backup tape from an HP Integrity rx7640 Server be restored and decrypted?

- A. only on the HP-UX system where the tape was created
- B. on any HP-UX system where the symmetric encryption key resides
- C. on any HP-UX system where the backup owner's public key resides
- D. on any HP-UX system where the backup owner's public/private key pair resides

Answer: D

17. Where are Trusted Computing Services (TCS) protected EVFS keys stored?

- A. HP-UX kernel
- B. EVFS volume
- C. system stable storage
- D. HP-UX root file system
- E. Trusted Platform Module

Answer: D

18. Which statement is true regarding an HP-UX VxFS filesystem using ACLs?

- A. Default ACLs can only be placed on a file.
- B. Default ACLs have the same owner as the owner of the file the ACL controls.
- C. A directory's ACL can have default entries that are applied to files subsequently.
- D. An ACL has an owner that can be different from the owner of the file the ACL controls.

Answer: C

19. In order to restrict the access to the /etc/group file through FTP, which statement should be included in the /etc/ftpd/ftpaccess file?

- A. noaccess /etc/group
- B. noretrieve /etc/group
- C. accessdeny /etc/group
- D. suppressaccess /etc/group

Answer: B

20. Identify the features of the TCP Wrappers product. (Select three.)

- A. enhances cryptographic authentication
- B. provides protection against IP address spoofing
- C. provides protection against hostname spoofing
- D. provides data encryption on TCP "wrapped" connections
- E. provides enhanced protection for RPC daemons using TCP/IP connections
- F. provides enhanced security for daemons managed by inetd using TCP/IP connections
- G. may be configured to provide enhanced security for any daemon using TCP/IP connections

Answer: BCF

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