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Dashboard » Information Assurance » Campus Ho Chi Minh »

Open source platform and Network administration - OSP201 » OSP201 - Shared » IA1403 - Summer 2020 » Mid test

**Started on** Wednesday, 15 July 2020, 2:36 PM

**State** Finished

**Completed on** Wednesday, 15 July 2020, 3:12 PM

**Time taken** 36 mins 1 sec

Question **1**

Complete

Marked out of 1.00

What kind of attack is it when you attempt every possible character combination to crack a password?

Select one:

- ☐ a. Iterative
- ☐ b. Wordlist
- ☒ c. Brute force
- ☐ d. Dictionary

The correct answer is: Brute force

Question **2**

Complete

Marked out of 1.00

Which of the following services or protocols can be used to add security to Telnet?

Select one:

- ☒ a. NTP
- ☐ b. PAP
- ☐ c. None of the mentioned.
- ☐ d. SSL

The correct answer is: SSL

Question **3**

Complete

Marked out of 1.00

Which of the following is the first process that runs after the kernel loads on most Linux systems?

Select one:

- ☐ a. inetd
- ☐ b. superserv
- ☒ c. init
- ☐ d. xinetd

The correct answer is: init

Question **4**

Complete

Marked out of 1.00

Runlevel 5 is commonly used for what purpose?

Select one:

- ☐ a. All of the mentioned.
- ☒ b. Multiuser, GUI, no network
- ☐ c. Multiuser, network, no GUI
- ☐ d. None of the mentioned.
- ☐ e. Multiuser, no network
- ☐ f. Single user

The correct answer is: None of the mentioned.

Question **5**

Complete

Marked out of 1.00

Which of the following actions should you not take when implementing a new kernel?

Select one:

- ☐ a. Install
- ☐ b. Compile
- ☐ c. Patch
- ☒ d. Upgrade

The correct answer is: Upgrade

Question **6**

Complete

Marked out of 1.00

What is the primary purpose of hardening an operating system?

Select one:

- ☐ a. Building a Web server
- ☐ b. Creating a bastion host
- ☒ c. Protecting against attack
- ☐ d. Building a kernel

The correct answer is: Protecting against attack

Question **7**

Complete

Marked out of 1.00

Which of the following files contains information about time limits on a password?

Select one:

- ☒ a. /etc/shadow.txt
- ☐ b. /etc/passwd
- ☐ c. /etc/group
- ☐ d. None of the mentioned.
- ☐ e. /etc/gshadow

The correct answer is: None of the mentioned.

Question **8**

Complete

Marked out of 1.00

Which of the following is the super server that launches applications based on connection attempts?

Select one:

- ☐ a. superserv
- ☒ b. xinetd
- ☐ c. init.d
- ☐ d. init

The correct answer is: xinetd

Question **9**

Complete

Marked out of 1.00

Which of the following files is not normally readable by all users?

Select one:

- ☐ a. /etc/group
- ☐ b. /etc/login.defs
- ☒ c. /etc/shadow
- ☐ d. /etc/passwd

The correct answer is: /etc/shadow

Question **10**

Complete

Marked out of 1.00

Which of the following options in a log configuration file collects information on login attempts and failures?

Select one:

- ☐ a. sys
- ☐ b. user
- ☐ c. log
- ☒ d. auth

The correct answer is: auth

Question **11**

Complete

Marked out of 1.00

Which of the following commands only requires the password of a configured standard user?

Select one:

- ☐ a. su
- ☐ b. sg
- ☐ c. None of the mentioned.
- ☐ d. sudoers
- ☒ e. sudos

The correct answer is: None of the mentioned.

Question **12**

Complete

Marked out of 1.00

What configuration file is used to configure ACLs for a filesystem?

Select one:

- ☒ a. /etc/fstab
- ☐ b. /etc/pam.d/acl
- ☐ c. /etc/acl
- ☐ d. /etc/filesystems

The correct answer is: /etc/fstab

Question **13**

Complete

Marked out of 1.00

Which of the following commands lists quota usage by user?

Select one:

- ☐ a. quota
- ☒ b. repquota
- ☐ c. quotacheck
- ☐ d. quotarep

The correct answer is: repquota

Question **14**

Complete

Marked out of 1.00

Which of the following commands prohibits access from all users except the user owner that owns the file named filename?

Select one:

- ☐ a. chmod 707 filename
- ☐ b. chmod 007 filename
- ☐ c. chmod 077 filename
- ☐ d. None of the mentioned
- ☐ e. chmod 700 filename
- ☒ f. chmod 770 filename

The correct answer is: chmod 700 filename

Question **15**

Complete

Marked out of 1.00

The permission -rwxr-r-x represented in octal expression will be

Select one:

- ☐ a. None of the mentioned.
- ☒ b. 745
- ☐ c. 741
- ☐ d. 666
- ☐ e. 744
- ☐ f. 777

The correct answer is: 745

Question **16**

Complete

Marked out of 1.00

What is /root?

Select one:

- ☐ a. the directory which contains all the directories of the filesystem.
- ☐ b. home directory of the root group
- ☐ c. None of the mentioned.
- ☒ d. root filesystem

The correct answer is: None of the mentioned.

Question **17**

Complete

Marked out of 1.00

Which file contains a list of currently mounted file systems?

Select one:

- ☐ a. /etc/proc/
- ☒ b. None of the mentioned.
- ☐ c. /etc/fstab
- ☐ d. /etc/tab
- ☐ e. /mnt

The correct answer is: None of the mentioned.

Question **18**

Complete

Marked out of 1.00

What does permission 641 (octal) mean?

Select one:

- ☐ a. Owner can read, write and execute; group can read and write; other can read
- ☐ b. Owner can read and write; group can write; other can read.
- ☐ c. Owner can read and write; group can write and execute; other can read.
- ☐ d. Owner can read and write; group can read; other can read.
- ☐ e. Owner can read and execute; group can read and write; other can execute
- ☒ f. None of the mentioned.

The correct answer is: None of the mentioned.

Question **19**

Complete

Marked out of 1.00

Executing the command “init 6” will \_\_\_\_\_.

Select one:

- ☐ a. halt the system.
- ☐ b. set the run level to 0
- ☐ c. kill the “init” process.
- ☐ d. change the user interface to CUI.
- ☐ e. reboot the service.
- ☒ f. None of the mentioned.

The correct answer is: None of the mentioned.

Question **20**

Complete

Marked out of 1.00

By default what file contains encrypted user passwords?

Select one:

- ☐ a. /etc/passwd
- ☐ b. /etc/encrytion
- ☐ c. /etc/password
- ☐ d. None of the mentioned.
- ☒ e. /etc/shadow.encrytion
- ☐ f. /etc/master.passwd

The correct answer is: None of the mentioned.

Question **21**

Complete

Marked out of 1.00

In a ps command output, the PPID displays the:

Select one:

- ☐ a. Number of memory pages (swap) of the process
- ☒ b. Process ID
- ☐ c. Parent init ID
- ☐ d. None of the mentioned.
- ☐ e. Process's scheduling priority

The correct answer is: None of the mentioned.

Question **22**

Complete

Marked out of 1.00

Which firewall is most commonly used on Linux?

Select one:

- ☐ a. iptables
- ☐ b. ipchains
- ☐ c. None of the mentioned.
- ☐ d. ipfw
- ☒ e. pf

The correct answer is: None of the mentioned.

Question **23**

Complete

Marked out of 1.00

User id 0 is

Select one:

- ☐ a. None of the mentioned.
- ☒ b. The id of the super user.
- ☐ c. The id of a user when the user's account is deleted.
- ☐ d. An invalid user id.

The correct answer is: The id of the super user.



Question **24**

Complete

Marked out of 1.00

Which of the following configuration files is considered first with respect to TCP Wrapper security?

Select one:

- ☐ a. /etc/inetd.conf
- ☒ b. /etc/hosts.allow
- ☐ c. None of the mentioned.
- ☐ d. /etc/xinetd.conf
- ☐ e. /etc/hosts.deny

The correct answer is: /etc/hosts.allow

Question **25**

Complete

Marked out of 1.00

Which of the following iptables command switches adds a rule to the middle of a chain?

Select one:

- ☐ a. None of the mentioned.
- ☐ b. -L
- ☐ c. -C
- ☒ d. -I (i capital letter)
- ☐ e. -A

The correct answer is: -I (i capital letter)

Question **26**

Complete

Marked out of 1.00

Which of the following actions is not used with the -J switch for the iptables command?

Select one:

- ☐ a. REJECT
- ☐ b. DROP
- ☒ c. None of the mentiond.
- ☐ d. LOG
- ☐ e. FORWARD

The correct answer is: None of the mentiond.

Question **27**

Complete

Marked out of 1.00

Which of the following commands lists the SELinux characteristics of a file?

Select one:

- ☒ a. ls -Z filename
- ☐ b. ls -l filename
- ☐ c. ls -SE filename
- ☐ d. ls filename

The correct answer is: ls -Z filename

Question **28**

Complete

Marked out of 1.00

Which of the following commands can be used to customize the SELinux characteristics of a file?

Select one:

- ☒ a. chcon
- ☐ b. secon
- ☐ c. fixfiles
- ☐ d. restorecon

The correct answer is: chcon

Question **29**

Complete

Marked out of 1.00

Which of the following files would you expect to contain Kerberos keys?

Select one:

- ☒ a. user.keytab
- ☐ b. krb5.keys
- ☐ c. users.krb
- ☐ d. michael.key

The correct answer is: user.keytab

Question **30**

Complete

Marked out of 1.00

Which of the following Samba directives sets the name for the local server?

Select one:

- ☐ a. server\_name
- ☒ b. netbios name
- ☐ c. domain name
- ☐ d. hostname

The correct answer is: netbios name

Question **31**

Complete

Marked out of 1.00

Which of the following ports is a secure alternative for SMTP?

Select one:

- ☐ a. 25
- ☒ b. 465
- ☐ c. 993
- ☐ d. 110

The correct answer is: 465

Question **32**

Complete

Marked out of 1.00

Which of the following authentication systems is NOT normally configured with RADIUS?

Select one:

- ☐ a. PAP
- ☐ b. CHAP
- ☐ c. EAP
- ☐ d. Point to point protocol
- ☒ e. None of the mentioned.

The correct answer is: Point to point protocol

Question **33**

Complete

Marked out of 1.00

What is the command that can create users and passwords for access to a Web directory in Apache?

Select one:

- ☐ a. httppasswd
- ☐ b. apachepass
- ☐ c. can not create password for Apache user.
- ☒ d. None of the mentioned.
- ☐ e. passwd
- ☐ f. htaccess
- ☐ g. apacheaccess

The correct answer is: None of the mentioned.

Question **34**

Complete

Marked out of 1.00

Which of the following directives specify and can limit the information given about an Apache system?

Select one:

- ☐ a. banner
- ☐ b. System
- ☐ c. server string
- ☒ d. ServerTokens

The correct answer is: ServerTokens

Question **35**

Complete

Marked out of 1.00

Which of the following kernel options is not related to mandatory access controls?

Select one:

- ☐ a. AppArmor
- ☐ b. SELinux
- ☒ c. Cryptographic API
- ☐ d. TOMOYO

The correct answer is: Cryptographic API

Question **36**

Complete

Marked out of 1.00

Which of the following directives in `/etc/sysctl.conf` should be set to 0 to deactivate routing on the local system?

Select one:

- ☐ a. `net.sys.ipv4.ip_route`
- ☐ b. `net.sys.ipv4.ip_source`
- ☒ c. None of the mentioned.
- ☐ d. `net.ipv4.ip_route`
- ☐ e. `net.ipv4.ip_routing`

The correct answer is: None of the mentioned.

Question **37**

Complete

Marked out of 1.00

Which of the following commands can help you discover the active hosts on the `192.168.0.0/24` network?

Select one:

- ☐ a. `nmap -sH 192.168.0.0/24`
- ☐ b. All of the mentioned.
- ☐ c. `nmap -sK 192.168.0.0/24`
- ☐ d. `nmap -sh 192.168.0.0/24`
- ☐ e. None of the mentiond.
- ☒ f. `nmap -sP 192.168.0.x/24`

The correct answer is: `nmap -sP 192.168.0.x/24`

Question **38**

Complete

Marked out of 1.00

Which of the following commands is used to identify users who have since logged out?

Select one:

- ☐ a. `w`
- ☒ b. `last`
- ☐ c. None of the mentioned.
- ☐ d. `who`
- ☐ e. `sar`

The correct answer is: `last`

Question **39**

Complete

Marked out of 1.00

Which of the following file extensions is not associated with software packages?

Select one:

- ☐ a. .tar.gz
- ☐ b. .rpm
- ☐ c. .odd
- ☒ d. None of the mentioned.
- ☐ e. .deb

The correct answer is: .odd

Question **40**

Complete

Marked out of 1.00

If you wanted to implement mandatory access controls on your Linux system, which of the following would you install?

Select one:

- ☐ a. nmap
- ☐ b. firewalld
- ☒ c. SELinux
- ☐ d. Coreutils

The correct answer is: SELinux



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