Linux+ Guide to Linux Certification 3rd Edition Eckert Test Bank

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Chapter 02: Linux Installation and Usage

TRUE/	$\mathbf{F}A$	۱L	SE
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1.	It is important to ensure performing an installar		eets the maximum hardware requirements before	
	ANS: F	PTS: 1	REF: 42	
2.	System Rescue can be	e used to repair a Linu	ax system that cannot be started.	
	ANS: T	PTS: 1	REF: 45	
3.	A swap partition cont	ains a filesystem.		
	ANS: F	PTS: 1	REF: 52	
4.	When a user interacts operating system.	with his computer, he	e interacts directly with the kernel of the computer's	
	ANS: F	PTS: 1	REF: 62	
5.	Commands indicate the	he name of a program	to execute and are case sensitive.	
	ANS: T	PTS: 1	REF: 65	
MOD	DIFIED TRUE/FALSE	Ε		
1.	In Linux, the adminis	trator account is called	d <u>top</u>	
	ANS: F, root			
	PTS: 1	REF: 50		
2.	Linux requires a mini	mum of three partition	ns to be created	
	ANS: F, two			
	PTS: 1	REF: 52		
3.	The swap partition for	r Linux 2.4 kernels sh	ould be at least <u>half</u> the size of the physical RAM.	
	ANS: F twice two times			
	PTS: 1	REF: 52		
4.			system startup, and that loads the Linux kernel into memoter is called the boot loader.	

ANS: T PTS: 1 REF: 73 MULTIPLE CHOICE 1. Because you need to document so many pieces of hardware and software information, you storcate a that contains all important installation information as well as hardware information. Answer and software information as preinstallation checklist		ANS: T		PTS:	1	REF:	56
MULTIPLE CHOICE 1. Because you need to document so many pieces of hardware and software information, you she create a that contains all important installation information as well as hardware informa a. preinstallation checklist	5.	The command shut	down -h +30 wou	ld halt y	our system in 3	80 minu	tes.
1. Because you need to document so many pieces of hardware and software information, you secreate a that contains all important installation information as well as hardware information. a. preinstallation checklist		ANS: T		PTS:	1	REF:	73
create a that contains all important installation information as well as hardware informa a. preinstallation checklist	MUL	TIPLE CHOICE					
2 is the most common method of installing Linux. a. Installation from a DVD b. Installation from an NFS server across the network c. Installation from packages located on the hard disk d. Installation from CD-ROM media ANS: A PTS: 1 REF: 44 3. During Linux installation, you need to configure a minimum of user account(s). a. one	1.	create a that co a. preinstallation cl b. hardware compa	ontains all important in hecklist tibility checklist	stallatio c. d.	n information a software com minimum har	ns well a ponent	as hardware information. s list
3. During Linux installation, you need to configure a minimum of user account(s). a. one	2.	is the most con a. Installation from b. Installation from c. Installation from	nmon method of instal a a DVD a an NFS server across a packages located on t	ling Lin	ux. work		
a. one b. two d. four ANS: B PTS: 1 REF: 50 4. Hard disks can contain a maximum of major partitions a. 4 b. 8 d. 32 ANS: A PTS: 1 REF: 51 5. The recommended size for the /home directory is per user. a. 100 MB b. 200 MB d. 1000 MB ANS: B PTS: 1 REF: 53 6. The filesystem is compatible with the Windows FAT filesystem. a. ext3 b. REISER d. VFAT ANS: D PTS: 1 REF: 53 7. The directory contains system commands and utilities. a. /opt b. /var c. three d. four REF: 50 7. The directory contains system commands and utilities. a. /opt b. /var d. /boot d. /usr		ANS: A	PTS: 1	REF:	44		
 4. Hard disks can contain a maximum of major partitions a. 4 b. 8 d. 32 ANS: A PTS: 1 REF: 51 5. The recommended size for the /home directory is per user. a. 100 MB b. 200 MB c. 500 MB d. 1000 MB ANS: B PTS: 1 REF: 53 6. The filesystem is compatible with the Windows FAT filesystem. a. ext3 b. REISER c. ext2 d. VFAT ANS: D PTS: 1 REF: 53 7. The directory contains system commands and utilities. a. /opt b. /var c. /boot d. /usr 	3.	a. one	ation, you need to con	c.	three	use	r account(s).
a. 4 b. 8 c. 16 b. 8 d. 32 ANS: A PTS: 1 REF: 51 5. The recommended size for the /home directory is per user. a. 100 MB b. 200 MB d. 1000 MB ANS: B PTS: 1 REF: 53 6. The filesystem is compatible with the Windows FAT filesystem. a. ext3 b. REISER c. ext2 d. VFAT ANS: D PTS: 1 REF: 53 7. The directory contains system commands and utilities. a. /opt b. /var c. /boot d. /usr		ANS: B	PTS: 1	REF:	50		
5. The recommended size for the /home directory is per user. a. 100 MB b. 200 MB c. 500 MB d. 1000 MB ANS: B PTS: 1 REF: 53 6. The filesystem is compatible with the Windows FAT filesystem. a. ext3 c. ext2 b. REISER d. VFAT ANS: D PTS: 1 REF: 53 7. The directory contains system commands and utilities. a. /opt b. /var c. /boot d. /usr	4.	a. 4 b. 8		c. d.	16 32		
a. 100 MB b. 200 MB d. 1000 MB ANS: B PTS: 1 REF: 53 6. The filesystem is compatible with the Windows FAT filesystem. a. ext3 b. REISER d. VFAT ANS: D PTS: 1 REF: 53 7. The directory contains system commands and utilities. a. /opt b. /var c. /boot d. /usr		ANS: A	PTS: 1	REF:	51		
 6. The filesystem is compatible with the Windows FAT filesystem. a. ext3 b. REISER c. ext2 d. VFAT ANS: D PTS: 1 REF: 53 7. The directory contains system commands and utilities. a. /opt b. /var c. /boot d. /usr 	5.	a. 100 MB	ize for the /home direc	c.	500 MB		
a. ext3 b. REISER d. VFAT ANS: D PTS: 1 REF: 53 7. The directory contains system commands and utilities. a. /opt b. /var c. ext2 c. ext2 c. vFAT REF: 53		ANS: B	PTS: 1	REF:	53		
7. The directory contains system commands and utilities. a. /opt	6.	a. ext3	is compatible with the	c.	ext2	stem.	
a. /opt c. /boot b. /var d. /usr		ANS: D	PTS: 1	REF:	53		
ANS: D PTS: 1 REF: 53	7.	a. /opt	contains system comm	c.	/boot		
		ANS: D	PTS: 1	REF:	53		

8.	processing.	s used t	o accept input f		e user and pass the input to the kernel for
	a. processorb. user interface				swap memory shell
	ANS: D	PTS:	1	REF:	62
9.	The shell that is used a. BASH b. root	by defa	ault in Linux is	c.	_ shell. gdm command line
	ANS: A	PTS:	1	REF:	62
10.	are specific lett	ers that	start with a das	h ("-").	
	a. Argumentsb. Options				Keywords Metacharacters
	ANS: B	PTS:	1	REF:	65
11.	Which Linux comma	nd disp	lays your login	name?	
	a. whob. whoami	•			id
	ANS: B	PTS:	1	REF:	
12	Which Linux comma				
12.	a. exit	ina gets	you out or you	c.	reset
	b. stop			d.	clear
	ANS: A	PTS:	1	REF:	66
13.	The command that d	isplays	the calendar for		
	a. dateb. cal			c. d.	id
	ANS: B	PTS:	1	REF:	66
14.	The metacharac	cter indi	cates backgrou	nd com	mand execution.
	a. @ b. ^			c. d.	&
	ANS: C	PTS:	1	REF:	
15	is the metachar	acter fo	r command terr	ninatio	n
10.	a. \			c.	;
	b. &			d.	
	ANS: C	PTS:	1	REF:	67
16.	To find all of the con	nmands	that have the w	ord "li	st" in their name or description, you would type
	a. man -j list				man -l list
	<pre>b. man -k list</pre>				man -m list
	ANS: B	$PTS \cdot$	1	RFF	70

YES/NO

1.	Does SYSLIN	IUX, the Linux ins	stallation program,	have a full range of hardwar	re support?
	ANS: N	PTS: 1	REF:	45	
2.	Is checking the	e media for errors	an optional step in	a DVD Linux installation?	
	ANS: Y	PTS: 1	REF:	45-46	
3.	Can you have	more than four SO	CSI hard disks with	nin a system?	
	ANS: Y	PTS: 1	REF:	51	
4.	Is the passwor	d database used fo	or authentication al	lways located on the local co	mputer?
	ANS: N	PTS: 1	REF:	59	
5.	Do all comma	nds have either m	an pages or info pa	ages?	
	ANS: N	PTS: 1	REF:	72	
COM	PLETION				
1.	Another name	for virtual memor	ry is	memory.	
	ANS: swap				
	PTS: 1	REF: 52			
2.		divide		adjacent sections, each of wh	ich can contain a
	ANS: Partition		data.		
	PTS: 1	REF: 52			
3				eters that tailor a command t	o vour particular needs
٥.	ANS: argume		peemes the param	ctors that tunor a command t	o jour paraeura necus
	PTS: 1	REF: 65			
4.				and	
	ANS: date	arront dute und thi	ic, type the commi		•
	PTS: 1	REF: 66			
5				lisplays currently logged-in ı	isers
٦.	ANS: who			inspiring currently logged-in t	au 0 10.
	TITIO. WITO				

PTS: 1 REF: 66

MATCHING

Match each correct item with the statement below.

a. boot loader f. Network Information Service (NIS)

b. dual bootingc. ext3d. ext2g. optionsh. argumentsi. poweroff

e. terminal

1. Filesystem that performs journaling

- 2. Shares password databases among Linux systems
- 3. Program started by the BIOS that loads the Linux kernel into memory from a hard disk partition inside the computer
- 4. Command that halts the system immediately and powers down the computer
- 5. Allows you to choose the operating system to boot upon system startup
- 6. Specify a commands' working parameters
- 7. Channel that allows a user to log in
- 8. Alter the way a command works
- 9. Traditional filesystem still used on most Linux computers

1.	ANS:	C	PTS:	1	REF:	53
2.	ANS:	F	PTS:	1	REF:	59
3.	ANS:	A	PTS:	1	REF:	56
4.	ANS:	I	PTS:	1	REF:	73
5.	ANS:	В	PTS:	1	REF:	56
6.	ANS:	H	PTS:	1	REF:	65
7.	ANS:	E	PTS:	1	REF:	62
8.	ANS:	G	PTS:	1	REF:	65
9.	ANS:	D	PTS:	1	REF:	53

SHORT ANSWER

1. What is virtual memory?

ANS:

Virtual memory consists of an area on the hard disk that, when the physical memory (RAM) is being used excessively, can be used to store information that would normally reside in the physical memory. When programs are executed that require a great deal of resources on the computer, information is continuously swapped from the physical memory to the virtual memory on the hard disk, and vice versa.

PTS: 1 REF: 52

2. What is journaling? What is the advantage of journaling?

ANS:

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A journaling filesystem keeps track of the information written to the hard disk in a journal. If you copy a file on the hard disk from one directory to another, that file must pass into physical memory and then be written to the new location on the hard disk. If the power to the computer is turned off during this process, information might not be transmitted as expected and data might be lost or corrupted. With a journaling filesystem, each step required to copy the file to the new location is first written to a journal; this means the system can retrace the steps the system took prior to a power outage and complete the file copy.

PTS: 1 REF: 53

3. In Linux, what does the term terminal refer to? Why is a terminal necessary?

ANS:

A terminal is the channel that allows a certain user to log in to a Linux kernel, and there can be many terminals in Linux that allow you to log in to the computer locally or across a network. After a user logs in to a terminal, she receives a user interface called a shell, which then accepts input from the user and passes this input to the kernel for processing.

PTS: 1 REF: 62

4. In Linux, what is a metacharacter? What is the significance of the \$ sign?

ANS:

A metacharacter is a keyboard characters that has a special meaning. One of the most commonly used metacharacters is the \$ character, which tells the shell that the following text refers to a variable. A variable is simply a piece of information that is stored in memory; variable names are typically uppercase words and most variables are set by the Linux system automatically when you log in.

PTS: 1 REF: 67

5. What are man pages? What are info pages? What is the relationship between them?

ANS:

The most common form of documentation for Linux commands is manual pages (commonly referred to as man pages). Simply type the man command followed by a command name, and extensive information about that Linux command is displayed page-by-page on the terminal screen. This information includes a description of the command and its syntax as well as available options, related files, and commands.

Another utility, originally intended to replace the man command in Linux, is the GNU info pages. You can access this utility by typing the info command followed by the name of the command in question. The info command returns an easy-to-read description of each command and also contains links to other information pages (called hyperlinks). Today however, both the info pages and the manual pages are used to find documentation because manual pages have been utilized in Linux since its conception and for over two decades in the UNIX operating system.

PTS: 1 REF: 68 | 71