

Laboratorio di Amministrazione di Sistema (CT0157)

parte A : domande a risposta multipla

1. Which of the following commands would allow a user to switch from a user account to the root account to execute a program that requires root permissions?
 - a) switch
 - b) flip
 - c) logon
 - d) su
 - e) jump
2. Which Linux partition generally contains the kernel?
 - a) /boot
 - b) /
 - c) root
 - d) swap
3. A technician is troubleshooting a Windows machine that is not communicating with the network server. The technician verifies that the server is not reachable and `ipconfig` shows that the workstation is configured properly. What should the technician do next?
 - a) ping the default gateway
 - b) ping 127.0.0.1
 - c) check the configuration of the server
 - d) tracert to the server
4. Which two of the following options provide a basic firewall solution by using rules to control network traffic? (Choose two.)
 - a) proxy services
 - b) ip masquerade
 - c) packet filters
 - d) Network Address Translation
 - e) access control lists
5. Which of the following can be set within the LILO configuration file?
 - a) an option to ask for a DNS server
 - b) an option to clear the /tmp directory at boot
 - c) an option to boot to runlevel 5
 - d) an option to use DHCP
6. In Linux, what is the first program that takes control of the boot process from the BIOS?
 - a) kernel
 - b) LILO
 - c) config.sys
 - d) linux.sys
7. Which command is used to determine the active TCP connections on a computer?
 - a) ping
 - b) ICMP
 - c) ifconfig
 - d) traceroute
 - e) netstat
8. Which statement accurately describes a Smurf attack?
 - a) The IP headers of ping requests are spoofed so that replies will overwhelm the target host.
 - b) The IP headers of SYN requests are spoofed so that a target will attempt to reply to itself.
 - c) This DoS attack overflows buffers by sending illegally large ping requests to the target.
 - d) This attack exploits the three-way handshake used with TCP.

NB: questo foglio verrà ritirato dopo 15 minuti dall'inizio dell'esame.

candidato: _____ matricola: _____

SPAZIO PER LA VALUTAZIONE: il candidato riporti su questo lato del foglio le soluzioni relative ai quesiti 1-8 a risposta multipla.

Criteri di valutazione: le domande 1-8 valgono un punto per ogni quesito corretto, mentre le domande 9-12 valgono sei punti ciascuna (al massimo, graduati in base alla correttezza della risposta),.

#	risposta/e						punti
1	a	b	c	d	e	f	
2	a	b	c	d	e	f	
3	a	b	c	d	e	f	
4	a	b	c	d	e	f	

#	risposta/e						punti
5	a	b	c	d	e	f	
6	a	b	c	d	e	f	
7	a	b	c	d	e	f	
8	a	b	c	d	e	f	

	valutazione parziale	punti
9		
10		
11		
12		

<p>TOTALE</p>

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parte B : domande a risposta breve

9. Descrivere le principali caratteristiche della posta elettronica certificata.

This image shows a single sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

10. Quali sono i servizi tipici che vengono installati in un server Linux adibito a gestione di una piccola attività commerciale?

[illegible]

11. Spiegare, aiutandosi con qualche esempio, che cosa eseguono i seguenti comandi Linux:

- ls
- grep
- awk
- find

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

12. Descrivere il problema del backup e le possibili strategie di impiego.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.