

Laboratorio di Amministrazione di Sistema (C62032)

parte A : domande a risposta multipla

1. Which Linux log file is most likely to contain the word oops?
a) /var/log/messages
b) /var/log/error
c) /var/log/syslog
d) /var/log/secure
2. Which TCP/IP protocol is responsible for file sharing?
a) DNS c) UDP
b) NFS d) IPX
3. What is the purpose of a directory service?
a) It increases the need for redundant logins.
b) It provides administrators with centralized control of users and resources across the network.
c) It impairs network security and must therefore be used with a firewall.
d) It keeps track of the home addresses and phone numbers of all users.
4. What is the main reason that NTFS is the preferred file system for a Windows partition?
a) It is the only file system that is available to a Windows administrator.
b) It cannot be accessed by Linux systems.
c) It supports a bigger file system than any of the alternatives.
d) It offers better security than any of the alternatives.
e) Most Windows administrators are trained to use NTFS.
5. A network administrator is setting up a web presence for a small company. The company plans to use the address *www.thecompany.com* but has not created a DNS entry for the server yet. The administrator has set up a new web server on a networked machine with the IP address 111.111.111.111. What should the administrator initially do to determine if the web server is functioning?
a) Run a web browser on the server machine and enter the address *http://127.0.0.1*.
b) Run a web browser on a host connected to the same network and enter the address *http://111.111.111.111*.
c) Ask someone outside the organization to try to access the website using the address *http://111.111.111.111*.
d) Ask someone outside the organization to try to access the website using the address *http://www.thecompany.com*.
e) Run a web browser on a host connected to the same network and enter the address *http://www.thecompany.com*.
6. Which of the following commands would assign a default gateway of 172.16.5.3 to the local host?
a) *ifconfig eth0 def-gate 172.16.5.3*
b) *ifconfig eth0 gw 172.16.5.3*
c) *ifconfig eth0 default gw 172.16.5.3*
d) *route add def-gate 172.16.5.3*
e) *route add gw 172.16.5.3*
f) *route add default gw 172.16.5.3*
7. Which of the following Linux daemons listens for incoming requests and forwards each request to the appropriate daemon?
a) HTTPD d) syslogd
b) LPD e) inetd
c) crond
8. Which setting determines if a program will run with the permissions of its assigned group or the permissions of the user's groups?
a) SUID c) SSID
b) GUID d) SGID

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

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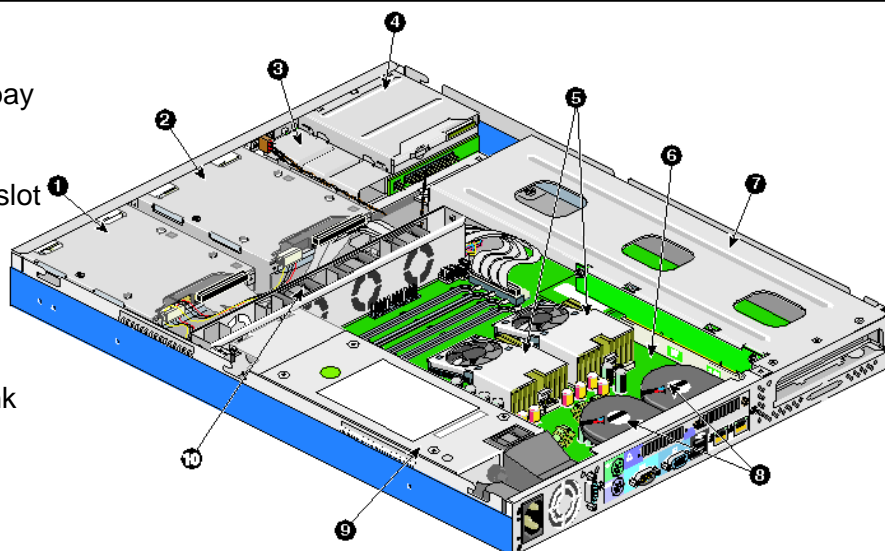
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parte B : domande a risposta breve

9. Con riferimento alla figura professionale di Amministratore di Sistema, riassumere brevemente che cosa definiscono le recenti norme sulla 'privacy' e descrivere le caratteristiche essenziali della posta elettronica certificata.

10. Nella figura sottostante è rappresentato l'interno di un Server standard. Associare i termini elencati a sinistra con le parti indicate in figura con un numero, e descrivere quali caratteristiche dovrebbe avere l'hardware di un server rispetto ad un client tradizionale.

- Power supply
- IDE hard disk drive bay
- System board
- PCI expansion card slot
- slim-type drive
- Rear blower
- Housing fans
- CPU and fan/heatsink



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[illegible]

11. Descrivere che cos'è un firewall, in quale punti della rete può essere installato, come può essere classificato. Commentare inoltre le seguenti regole di firewalling:

```
# ipfw -q add allow tcp from any to any 80 out via tun0
# ipfw -q add allow tcp from any to 192.0.2.11 53 out via tun0
# ipfw -q add deny all from 127.0.0.0/8 to any in via tun0
```

This image shows a single 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.

12. Descrivere quali sono i principali comandi per gestire i processi ed i lavori (job) in ambiente Linux..

This image shows a single page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, leaving small margins at the top and bottom. There are no vertical margin lines, text, or other markings on the page.

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

Criteria 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		

TOTALE

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