

310-302 Practice Test

SUN Sun Certified Network Administrator for Solaris 10 OS

310-302: Sun Certified Network Administrator for Solaris 10 OS

Practice Exam: 310-302 Exams

Exam Number/Code: 310-302

Exam Name: Sun Certified Network Administrator for Solaris 10 OS

Questions and Answers: 317 Q&As
(SCSA10)



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Exam : SUN 310-302

Title : Sun Certified Network Administrator for Solaris 10 OS

1. You are creating a plan to increase network security. Which two network topologies and devices should be phased out? (Choose two.)

- A. bus
- B. hub
- C. VLAN
- D. switch
- E. bridge

Answer: AB

2. A newly installed system is experiencing network performance problems. You suspect it may be related to the duplex or speed settings on the hme0 interface. Which two commands check the duplex and speed of the hme0 interface? (Choose two.)

- A. netstat -l hme
- B. netstat hme link_mode
- C. ndd -get /dev/hme speed
- D. ndd -get /dev/hme duplex
- E. ndd -get /dev/hme link_mode
- F. ndd -get /dev/hme link_speed
- G. ndd -get /dev/hme link_status

Answer: EF

3. Which three are Ethernet cable connector types? (Choose three.)

- A. AUI
- B. DB-9
- C. BNC
- D. RJ-45
- E. HD-15

F. Centronics

Answer: ACD

4. What is CSMA/CD?

- A. Common Serial Multiple Access with Carrier Detection
- B. Collision Sensing Multiple Access with Carrier Detection
- C. Carrier Sensing Multiple Access with Collision Detection
- D. Common Serial Multiple Access with Collision Detection
- E. Carrier Serial Multiplexing Access with Carrier Detection

Answer: C

5. At which layer in the TCP/IP network model are decisions about routing between networks made?

- A. Internet
- B. Transport
- C. Data Link
- D. Application

Answer: A

6. A system is being configured as a network boot server. Which three must be present or online for the boot server to successfully answer RARP requests? (Choose three.)

- A. /etc/ethers
- B. /etc/inet/hosts
- C. /etc/resolv.conf
- D. svc:/network/rarp
- E. svc:/network/ethers

Answer: ABD

7. You used ndd to enable IP forwarding on your network interfaces. After a system reboot, the system does not forward packets. What caused this problem?

- A. The svc.startd daemon was not reconfigured.
- B. The /etc/notrouter file was recreated during reboot.
- C. One of the /etc/rc2.d start scripts failed to complete.
- D. The effects of the ndd command did not survive reboot.

Answer: D

8. A printer is connected to the same subnet as your workstation. The printer is identified as:

host name IP address MAC address

printer1 192.204.200.12 8:0:20:21:38:6b

Which command allows your workstation to reply to ARP requests for the printer?

- A. arp -p printer1 8:0:20:21:38:6b
- B. arp -s printer1 8:0:20:21:38:6b pub
- C. netconfig -p 192.204.200.12 printer1
- D. rarp -s 192.204.200.12 8:0:20:21:38:6b

Answer: B

9. As a connectionless protocol in peer-to-peer communications, UDP interacts with which adjacent and corresponding layers of the TCP/IP model?

- A. Ethernet and Hardware
- B. Hardware, Network, and Internet
- C. Transport, Application, and Internet
- D. Application, Transport, Internet, and Network

Answer: C

10. You need to display the Ethernet address of a system connected to a server you administer. Which command displays all entries in the current ARP table?

- A. arp -a
- B. arp -list
- C. netstat -av
- D. ndd -get /dev/arp ethers

Answer: A

11. You configure a second network connection on a server and attempt to configure the server to route packets between the two interfaces.

The snoop command reveals that packets are arriving on both interfaces, but the server is refusing to forward packets between interfaces as required.

What two commands can be used to verify that the Solaris system is configured to forward IP packets between these two interfaces? (Choose two.)

- A. routeadm
- B. netstat -r
- C. ndd -get /dev/ip \?
- D. ndd -get /dev/udp ip-forward
- E. ndd -get /dev/ip ip_forwarding

Answer: AE

12. In certain configurations, Gigabit Ethernet can use 9000 byte Ethernet frames instead of the standard 1500 byte frames. What are two advantages of using Jumbo Ethernet frames over standard frames? (Choose two.)

- A. higher network throughput
- B. VLAN complexity reduced
- C. lower host CPU utilization
- D. more reliable data transmission
- E. lower number of packet collisions

Answer: AC

13. Given the following output showing the arp table of a system:

Net to Media Table: IPv4

Device IP Address Mask Flags Phys Addr

```
-----  
iprb0 cobra_ext 255.255.255.255 SP 00:00:39:e4:7d:df  
iprb0 192.168.1.200 255.255.255.255 SP 00:00:39:e4:7d:df  
iprb0 224.0.0.0 240.0.0.0 SM 01:00:5e:00:00:00
```

Which two statements are true? (Choose two.)

- A. cobra_ext resolves to the IP address 192.168.1.200.
- B. The MAC address associated to 192.168.1.200 IP address is incorrect.
- C. The system will respond to ARP requests for the address 192.168.1.200.
- D. 192.168.1.200 IP address has been statically added to the system arp table.
- E. The MAC address associated to 192.168.1.200 should be 01:00:5e:00:00:00.

Answer: CD

14. Given:

```
host name IP address MAC address  
myhost 192.29.10.101 8:0:20:50:10:20  
server1 192.29.10.20 8:0:20:75:6e:8f
```

The workstation myhost reboots. It needs to mount a file system from server1 on the local subnet.

Which address is returned by server1 in the ARP reply?

- A. 192.29.10.255
- B. 8:0:20:ff:ff:ff

- C. 8:0:20:75:6e:8f
- D. 8:0:20:50:10:20
- E. 255.255.255.255

Answer: C

15. After connecting a new server to a network switch, you discover that the server is NOT able to communicate with other servers on the same network. You run snoop on the new server and find that it is returning traffic for a network different than the one to which you want to connect the server. Which can be the source of the problem?

- A. ARP cache on the server is stale.
- B. Network cable is longer than allowed.
- C. A switch port is configured for the wrong VLAN.
- D. The server is configured with the wrong IP address.
- E. The DHCP server is returning incorrect network settings.

Answer: C

16. Which three layers of the OSI network model are included in the Application layer of the TCP/IP network model? (Choose three.)

- A. Network
- B. Session
- C. Transport
- D. Data Link
- E. Application
- F. Presentation

Answer: BEF

17. Users of a newly installed system are reporting network throughput below expected values. A common indicator of a potential issue is an increasing number of collisions reported on the network interface. Which command displays network collisions on the hme0 interface?

- A. netstat -i
- B. netstat -d hme0
- C. ndd -get /dev/hme collisions
- D. snoop -d hme0 -s collision_count

Answer: A

18. Which file contains the MAC address to host name lookup table?

- A. /etc/ethers
- B. /etc/inet/ethers
- C. /etc/inet/inetd.conf
- D. /var/adm/net/config

Answer: A

19. What are two advantages of using a layered networking model? (Choose two.)

- A. Routing tables are simplified.
- B. Network performance is improved.
- C. The troubleshooting process is simplified.
- D. Changing one layer does NOT require changes to the other layers.
- E. Networking related code does NOT need to be recompiled for other systems.

Answer: CD

20. You have a SPARC workstation with a single hme Ethernet interface. Which file is required for the interface to be configured at boot time?

- A. /etc/hosts
- B. /etc/nodename

- C. /etc/inet/hosts
 - D. /etc/hostname.hme0
 - E. /etc/nodename.hme0
- Answer: D

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