

# 310-302

## SUN

### *Sun Certified Network Administrator for Solaris 10 OS*

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<b>Exam Name:</b>	<b>Sun Certified Network Administrator for Solaris 10 OS</b>		
<b>Exam Type:</b>	<b>Sun</b>	<b>Exam Code:</b>	<b>310-302</b>
<b>Doc Type:</b>	<b>Q &amp; A with Explanations</b>	<b>Total Questions:</b>	<b>247</b>

**Question: 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: A, B**

**Question: 2**

Exhibit:

Using the /dev/hme device (promiscuous mode)

sys12 -> sys11 ETHER Type=0800 (IP), size = 98 bytes

sys12 -> sys11 IP D=192.168.1.1 S=192.168.1.2 LEN=84, ID=48009, TOS=0x0, TTL=255

sys12 -> sys11 ICMP Echo Request (ID: 345 Sequence number: 0)

sys11 -> sys12 ETHER Type=0800 (IP), size = 98 bytes

sys11 -> sys12 IP D=192.168.1.2 S=192.168.1.1 LEN=84, ID=45375, TOS=0x0, TTL=255

sys11 -> sys12 ICMP Echo Reply (ID: 345 Sequence number: 0)

Which command yields the output shown in the exhibit?

- A. snoop icmp
- B. snoop -d hme0 192.168.1.2
- C. snoop -v -d qfe0 broadcast
- D. snoop -d hme0 -V 192.168.1.2
- E. snoop -d hme0 -o /tmp/192.168.1.2

**Answer: D**

**Question: 3**

As part of a security audit, you are compiling a list of MAC addresses for systems on the subnet You administer.

Given the output:

Net to Media Table: IPv4

Device	IP Address	Mask	Flags	Phys Addr
hme0	192.168.1.14	255.255.255.255		59:76:6f:6e:6e:65
hme0	dbms-02	255.255.255.255		57:65:46:6f:76:65
hme0	dbms-01	255.255.255.255		59:6f:75:21:3b:29
hme0	dbms-03	255.255.255.255	SP	08:00:20:ad:d5:9e
hme0	224.0.0.0	240.0.0.0	SM	01:00:5e:00:00:00

Which two commands create this output? (Choose two.)

- A. arp -a
- B. arp -an
- C. kstat -av
- D. netstat -p
- E. netstat -av
- F. ifconfig hme0

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**Answer: A, D**

**Question: 4**

You are attempting to configure link-based IPMP on a system containing two physical interfaces. Both interfaces are in the same group. Which two statements are true in a working link-based IPMP configuration? (Choose two.)

- A. Each interface must have a unique test address.
- B. Each interface must have a unique MAC address.
- C. Both interfaces must be connected to the same switch.
- D. All failover addresses must have the DEPRECATED flag set.
- E. Both interfaces must be connected to the same IP network.
- F. IPMP must be started by running the `if_mpadmn -e` command.

**Answer: B, E**

**Question: 5**

To more efficiently allocate and manage their network infrastructure, the Network Company is implementing Classless Inter-Domain Routing. Which routing protocol is best suited to prepare for this implementation?

- A. BGP
- B. RIPv2
- C. RDISC
- D. RIPv1
- E. ipCIDR-forwarding

**Answer: B**

**Question: 6**

Each DNS zone must have a primary server. Which two are features of a DNS primary server? (Choose two.)

- A. They maintain data about each of the top-level zones.
- B. They are the system on which all changes are made to the zone.
- C. They are never authoritative for any domain, except for the loopback address.
- D. They provide update information and synchronize secondary servers when the secondary servers request information.

**Answer: B, D**

**Question: 7**

A DNS server that you administer has stopped responding to client requests. Which four commands can you use in debugging the DNS server? (Choose four.)

- A. dig
- B. ndc
- C. pkill -HUP inetd
- D. pkill -INT in.inetd
- E. pkill -INT in.named
- F. pkill -USR1 in.named
- G. svcadm restart system/name-service-cache

**Answer: A, B, E, F**

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**Question: 8**

A DHCP client is configured with the RELEASE\_ON\_SIGTERM=yes parameter. Which two actions force a DHCP client to relinquish the IP address it obtained through DHCP on the hme0 interface? (Choose two.)

- A. Shut down the DHCP client.
- B. Run the dhcpinfo command with the r option.
- C. Run the dhcpageant command with the r option.
- D. Run the pkill -9 dhcpageant command.
- E. Run the stop option of the ifconfig hme0 dhcp command.
- F. Run the release option of the ifconfig hme0 dhcp command.

**Answer: A, F**

**Question: 9**

A new system is being installed with multiple interfaces configured and IP Forwarding enabled. One interface, ge0, connects to the primary company LAN. Another interface, ge1, connects to a LAN dedicated to administration of the company's servers.

Given:

ge0 IP Address = 10.0.0.25/32  
ge1 IP Address = 192.168.1.25/32  
Admin network = 192.168.1.0/24  
Primary network = 10.0.0.0/24

Solaris IP Filter firewall must be configured in a way that:

- 1- Systems on the admin network can reach the primary network.
- 2- The system itself has to be reached using ssh from all systems on the admin network.
- 3- Systems on the primary network cannot reach any systems on the admin network.

Which three rules should be included in the Solaris IP Filter configuration? (Choose three.)

- A. block in all
- B. block out all
- C. block out quick log on ge0 from 192.168.1.0/24 to any
- D. pass out quick log from 192.168.1.0/24 to any keep state
- E. pass in quick from 192.168.1.0/24 to 10.0.0.0/24 flags keep state
- F. pass in quick proto tcp on ge1 from 192.168.1.0/24 to 192.168.1.25/32 port = 22 flags keep state
- G. pass out quick on ge0 from 10.0.0.25 to 10.0.0.0/24 flags keep state

**Answer: A, E, F**

**Question: 10**

In a given Telnet communication, two IP addresses, 194.168.85.51 and 192.9.9.6, are involved in peer-to-peer communication. Datagrams leave the source host 194.168.85.51 and are transmitted to destination host 192.9.9.6. Which should you expect to find in the IP header of an outbound datagram?

- A. source port number
- B. destination port number
- C. destination IP address 192.9.9.6
- D. destination IP address 194.168.85.51

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**Answer: C**

**Question: 11**

Which two statements are true about the data payload section of an Ethernet frame? (Choose two.)

- A. It includes the Ethernet address of the receiving system.
- B. It helps the receiving interface detect the beginning of the frame.
- C. It includes the Transport, Internet, and Application layer headers.
- D. Its maximum size is specific to the type of network interface on a system that receives the frame.
- E. It includes information used by both the sending and receiving hosts to determine if an error has occurred during frame transmission.

**Answer: C, D**

**Question: 12**

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: C, D**

**Question: 13**

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: B, E, F**

**Question: 14**

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**

**Question: 15**

A user begins to establish a Telnet session with a second system located on a different subnet. The Network Interface layer is responsible for creating a packet data unit. What information does the header in the packet data unit contain?

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