

Exam Report: 5.8.9 Practice Questions

Date: 10/15/2019 5:00:47 pm
Time Spent: 8:29

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Overall Performance

Your Score: 60%



Passing Score: 80%

View results by: ☐ Objective Analysis ☒ Individual Responses

Individual Responses

▼ Question 1: Incorrect

You administer a network with Windows Server 2016 and UNIX servers and Windows 10 Professional, Windows 7, and Macintosh clients. A Windows 7 computer user calls you one day and says he is unable to access resources on the network. You type **ipconfig** on the user's computer and receive the following output:

0 Ethernet adapter:

IP address. : 169.254.1.17
Subnet Mask : 255.255.0.0
Default Gateway :

You also check your NIC and see the link light on.

What might the problem be?

- ☐ The user changed the configuration of the computer.
- ☐ A bad NIC.
- ☒ ~~A missing default gateway.~~
- ☐ A misconfigured DNS server.

➡ ☐ An unavailable DHCP server.

Explanation

If a Windows 7 client computer is configured to use DHCP and cannot locate one to receive IP addressing information, it assigns itself an IP address from the APIPA (Automatic Private IP Addressing) range of IP addresses. APIPA addresses include IP addresses from 169.254.0.0 to 169.254.255.254 and are reserved for this purpose. A lit link light on your NIC indicates a connection to the network.

References

LabSim for Network Pro, Section 5.8.
[netpro18v5_all_questions_en.exm NP05_4-6 #15]

▼ Question 2: Correct

You manage a network that has multiple internal subnets. You connect a workstation to the 192.168.1.0/24 subnet.

This workstation can communicate with some hosts on the private network, but not with other hosts. You run **ipconfig /all** and see the following:

Ethernet adapter Local Area Connection:
Connection-specific DNS Suffix : mydomain.local
Description : Broadcom network adapter

Physical Address. : 00-AA-BB-CC-74-EF
DHCP Enabled : No
Autoconfiguration Enabled. . . : Yes
IPv4 Address : 192.168.1.102(Preferred)
Subnet Mask. : 255.255.0.0
Default Gateway : 192.168.1.1
DNS Servers : 192.168.1.20
192.168.1.20

What is the most likely cause of the problem?

- ➡ ☒ Incorrect subnet mask
- ☐ Incorrect IP address
- ☐ Incorrect default gateway
- ☐ Incorrect DNS server address

Explanation

In this example, the network is using a mask of 255.255.255.0 (24-bits), but the workstation is configured to use a mask of 255.255.0.0.

References

LabSim for Network Pro, Section 5.8.

[netpro18v5_all_questions_en.exm NP09_4-7 #MCS12]

▼ Question 3: Correct

You manage a network that has multiple internal subnets. You connect a workstation to the 192.168.1.0/24 subnet.

This workstation can communicate with some hosts on the private network, but not with other hosts. You run **ipconfig /all** and see the following:

Ethernet adapter Local Area Connection:
Connection-specific DNS Suffix . : mydomain.local
Description : Broadcom network adapter
Physical Address. : 00-AA-BB-CC-74-EF
DHCP Enabled : No
Autoconfiguration Enabled. . . : Yes
IPv4 Address : 192.168.1.102(Preferred)
Subnet Mask : 255.255.255.0
Default Gateway. : 192.168.2.1
DNS Servers. : 192.168.2.20

What is the most likely cause of the problem?

- ☐ Incorrect DNS server address
- ☐ Incorrect IP address
- ☐ Incorrect subnet mask
- ➡ ☒ Incorrect default gateway

Explanation

In this example, the default gateway address is incorrect. The default gateway address must be on the same subnet as the IP address for the host. The host address is on the 192.168.1.0/24 subnet, but the default gateway address is on the 192.168.2.0 subnet.

References

LabSim for Network Pro, Section 5.8.

[netpro18v5_all_questions_en.exm NP09_4-7 #MCS13]

▼ Question 4: Correct

You manage a network that has multiple internal subnets. You connect a workstation to the 192.168.1.0/24 subnet.

This workstation cannot communicate with any other host on the network. You run **ipconfig /all** and see the following:

Ethernet adapter Local Area Connection:
Connection-specific DNS Suffix. : mydomain.local
Description : Broadcom network adapter
Physical Address : 00-AA-BB-CC-74-EF
DHCP Enabled. : No
Autoconfiguration Enabled . . : Yes
IPv4 Address. : 192.168.2.102(Preferred)
Subnet Mask : 255.255.255.0
Default Gateway. : 192.168.1.1
DNS Servers : 192.168.2.20

What is the most likely cause of the problem?

- ☐ Incorrect subnet mask
- ☐ Incorrect default gateway
- ☐ Incorrect DNS server address

➡ ☒ Incorrect IP address

Explanation

In this example, the IP address assigned to the host is on the wrong subnet. The host address is on the 192.168.2.0/24 subnet, but the other devices are using addresses on the 192.168.1.0 subnet (the scenario states that you are connecting the workstation to this subnet).

References

LabSim for Network Pro, Section 5.8.
[netpro18v5_all_questions_en.exm NP09_4-7 #MCS14]

▼ Question 5: Incorrect

Your office has both Windows and Linux computers. You want to be able to view the address of the default gateway that a computer is using. Which of the following utilities could you use? (Select two.)

☒ ~~netstat~~

☐ dig

➡ ☐ route

➡ ☒ ipconfig

☐ host

Explanation

Use the **ipconfig** command on Windows or the **route** command on Linux to view the default gateway. The ipconfig command will also show the IP configuration for network interfaces, including the IP address, subnet mask, and DNS server addresses being used by a Windows computer.

Use **host** and **dig** to get the IP address of a host name. Use **netstat** to view IP-related statistics, including incoming and outgoing connections and active sessions, ports, and sockets.

References

LabSim for Network Pro, Section 5.8.

[netpro18v5_all_questions_en.exm NP09_5-1 #5||/]