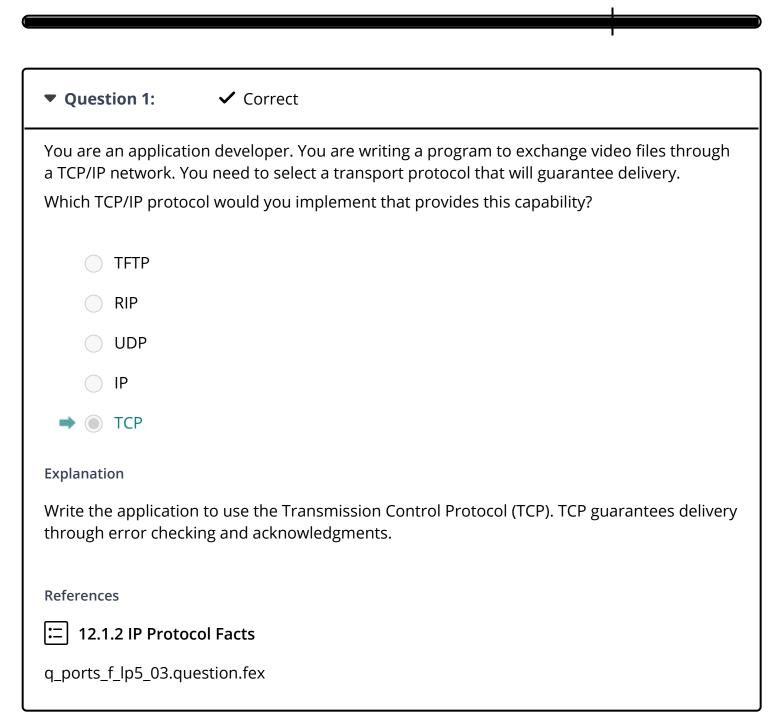
12.1.9 Practice Questions

Candidate: Ethan Bonavida (suborange)

Date: 12/7/2022 11:23:04 am • Time Spent: 02:47

Score: 100% Passing Score: 80%



▼ Question 2: ✓ Correct

You attempt to telnet to system 192.168.1.240. You receive the following message:

"Connecting To 192.168.1.240...Could not open connection to the host, on port 23. No connection could be made because the target machine actively refused it."

What may be the problem?

- → The Telnet server is not running.
 - The DNS server is down.
 - The Telnet client is not installed.

Explanation

The error message is an indication that the Telnet server on the target system is not running.

The Telnet client must be installed for you to make a connection. DNS has no part in making this connection because you are using the IP address of the system. The Tomcat server is an open-source Java application server.

References

12.1.2 IP Protocol Facts

q_ports_f_lp5_05.question.fex

▼ Question 3: ✓ Correct

You have a computer that is connected to the internet through a NAT router. You want to use a private addressing scheme for your computer.

Which of the following IP addresses could you assign to the computer? (Select THREE).

- 240.12.188.1
- → 10.0.12.15
 - 224.15.166.12
 - 127.0.0.1
- **→** ✓ 192.168.12.253
 - 32.188.99.10
- **→ ✓** 172.18.188.67

Explanation

Of the addresses listed here, the following are in the private IP address ranges:

- 10.0.12.15 (private range = 10.0.0.0 to 10.255.255.255)
- 172.18.188.67 (private range = 172.16.0.0 to 172.31.255.255)
- 192.168.12.253 (private range = 192.168.0.0 to 192.168.255.255)

References



q_ip_address_lp5_03.question.fex



Which TCP/IP configuration parameter identifies the router that is used to reach hosts on remote networks?

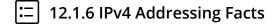
- Default gateway
 - IP address
 - Host name
 - Subnet mask

Explanation

The default gateway identifies the router to which packets for remote networks are sent.

The subnet mask identifies which portion of the IP address is the network address. The IP address identifies both the logical host and logical network addresses. The hostname identifies the logical name of the local system.

References



q_ip_address_lp5_11.question.fex



Which of the following are not valid IP addresses? (Select THREE).

- 116.0.0.116
- **→** ✓ 145.8.260.7
- **→ ✓** 45.22.156.256
 - 132.64.32.8
 - 1.55.254.3
- **→** ✓ 257.0.122.55

Explanation

IP addresses have a value between 0 and 255 within each octet. In this list, 45.22.156.256, 145.8.260.7, and 257.0.122.55 are not valid IP addresses.

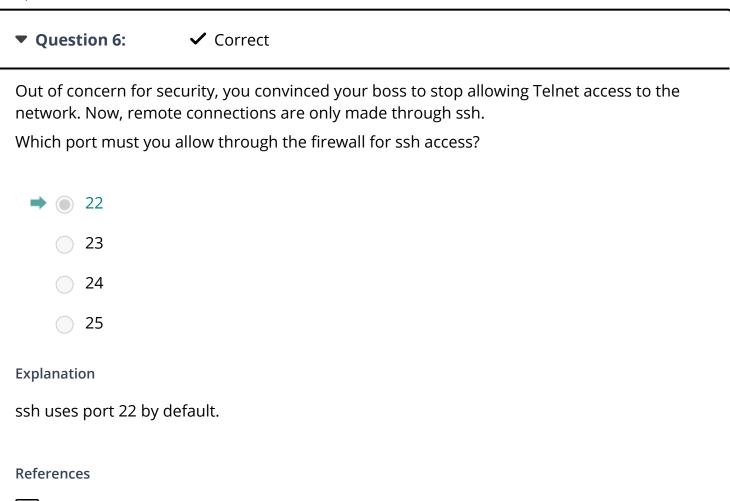
References



q_ip_address_lp5_16.question.fex

12.1.8 IP Port Facts

q_com_port_lp5_01.question.fex



▼ Question 7: ✓ Correct
Which port number is used by the IMAP protocol?
<u>25</u>
<u>21</u>
→
<u> </u>
Explanation
IMAP uses port 143.
FTP uses port 21, SMTP uses port 25, and POP uses port 110.
References
12.1.8 IP Port Facts
q_com_port_lp5_02.question.fex

▼ Question 8: ✓ Correct

To transfer files to your company's internal network from home, you use FTP. The administrator has recently implemented a firewall at the network perimeter and disabled as many ports as possible.

Now you can no longer make the FTP connection. You suspect the firewall is causing the issue.

Which ports need to remain open so you can still transfer the files? (Select TWO).

- 23
- 80
- 443
- **→** ✓ 2′
- **→** ✓ 20

Explanation

FTP uses port 21 for connection requests and port 20 for data transfers. Both ports would need to remain open for you to transfer files to your company's internal network from home.

Telnet uses port 23, SSL uses port 443, and HTTP uses port 80.

References

D 15.12.1 Security Best Practices

15.12.2 Security Best Practices Facts

q_com_port_lp5_03.question.fex

17/22, 10.16 PM TestOut LabSim
▼ Question 9: ✓ Correct
Which port does Telnet use?
<u>25</u>
→
34
O 80
Explanation
Telnet uses port 23.
References
D 15.12.1 Security Best Practices
15.12.2 Security Best Practices Facts
q_com_port_lp5_04.question.fex

▼ Question 10: ✓ Correct

You are configuring a network firewall to allow SMTP outbound email traffic and POP3 inbound email traffic.

Which of the following TCP/IP ports should you open on the firewall? (Select TWO).

- → ✓ 110
 - 443
 - 21
- **→** ✓ 25
 - 143

Explanation

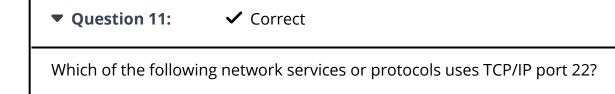
The Simple Mail Transfer Protocol (SMTP) uses TCP/IP port 25. The Post Office Protocol version 3 (POP3) uses TCP/IP port 110.

The File Transfer Protocol (FTP) uses TCP/IP Port 21. The Internet Message Access Protocol (IMAP) uses TCP/IP port 143. TCP/IP port 443 is used by the Secure Sockets Layer (SSL) protocol.

References



q_com_port_lp5_05.question.fex



MAP4

TFTP

→ SSH

NNTP

Explanation

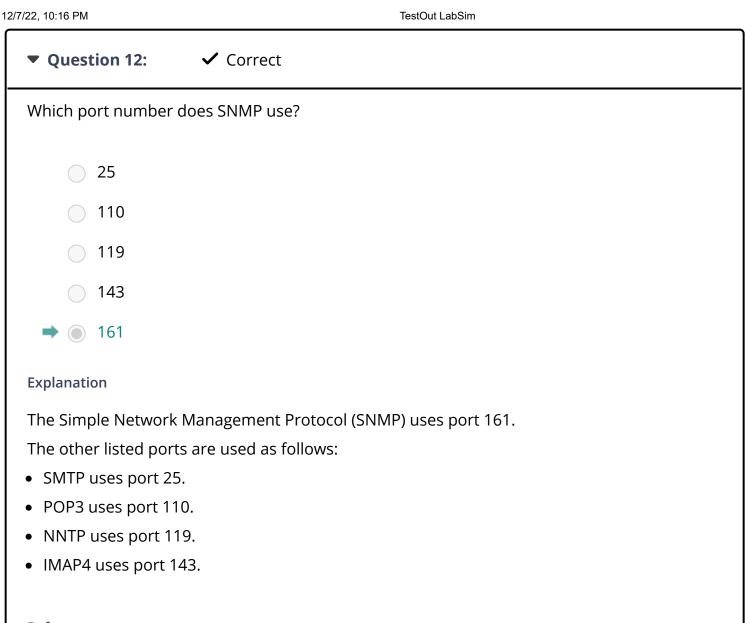
The Secure Shell (SSH) service uses TCP/IP port 22. SSH is a terminal emulation program similar to Telnet that provides secure authenticated sessions on a remote system. It is most commonly associated with Unix and Linux systems.

The Trivial File Transfer Protocol (TFTP) is a connectionless service for downloading files from a remote system. TFTP uses TCP/IP port 69. The Network News Transfer Protocol (NNTP) is used to access and download messages from newsgroup servers. NNTP uses TCP/IP port 119. The Internet Message Access Protocol version 4 (IMAP4) is used to download email from remote servers. IMAP 4 uses TCP/IP port 143.

References

12.1.8 IP Port Facts

q_com_port_lp5_07.question.fex



12.1.8 IP Port Facts

q_com_port_lp5_08.question.fex



You want to maintain tight security on your internal network, so you restrict access to the network through certain port numbers.

If you want to allow users to continue to use DNS, which port should you enable?

- 08
- 443
- **21**
- **→** ⑤ 53
 - 42

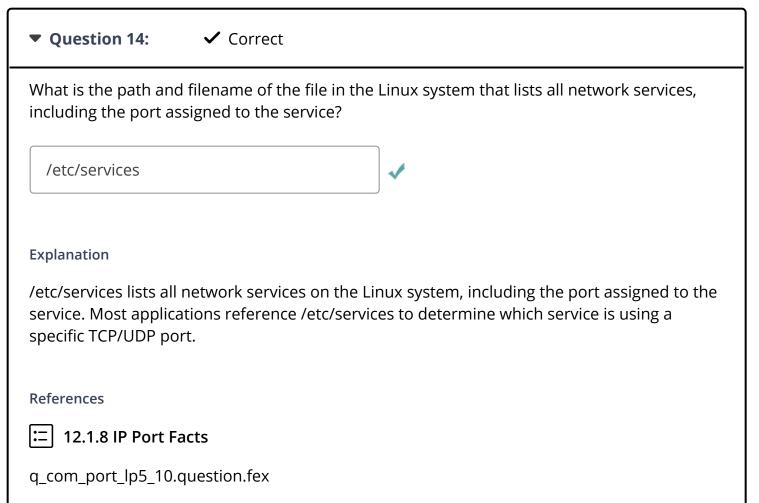
Explanation

The DNS service uses port 53.

References



q_com_port_lp5_09.question.fex



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