ISF Readiness Assessment - 4 levels assessment scores

Welcome to the National Cyberwatch Information Security Fundamentals (ISF) Readiness Assessment

Purpose of the assessment

This assessment is designed to identify your mastery or deficiencies in topics required to demonstrate readiness for an information security fundamentals course.

You will be given 60 seconds for each question. If you do not answer the question within this time, the survey will advance to the next question. Once you answer a question, click "Next" to manually advance to the next question. For each question, a set of four choices will be given. The four choices are further divided based on your level of confidence in the response, which ranges from Not confident at all to Confident. Pick the one that best reflects your level of belief in the selected response being the correct response. If you do not know the concept asked in the question, you may select the option (I do not know). Here is a sample question and its responses.

Question: Which color results by mixing Red and Green?

(A) Cyan

(B) Yellow

(C) Magenta

(D) White

Choose one of the following answers

A (Not confident at all) A (Slightly confident) A (Somewhat confident) A (Confident) A (Very confident)	B (Not confident at all) B (Slightly confident) B (Somewhat confident) B (Confident) B (Very confident)	C (Not confident at all) C (Slightly confident) C (Somewhat confident) C (Confident) C (Very confident)	D (Not confident at all) D (Slightly confident) D (Somewhat confident) D (Confident) D (Very confident)	I don't know

Assessment Question Bank Details

Question bank size	60 questions, 60 seconds per question (timed)
Type of questions	Multiple choice
Length of test	About 40-60 minutes
Topics	Computer Services, Networks, Server Mgmt

There are 60 questions in this survey

Network Ports

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Which one of the folllowing port numbers is used by Hypertext Transfer Protocol over TLS/SSL (HTTPS)?

(A) 80

(B) 443

(C) 153

(D) 143

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
- B (Confident) B (Confident)
- B (Very confident) B (Very confident)
- C (Not confident at all) C (Not confident at all)
- C (Slightly confident) C (Slightly confident)
- C (Somewhat confident) C (Somewhat confident)
- C (Confident) C (Confident)
- C (Very confident) C (Very confident)
- D (Not confident at all) D (Not confident at all)
- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

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Which one of the following statements about IMAP4 are TRUE: (1) Uses TCP port 443; (2) Is a protocol used to retrieve email messages from a mail server; (3) Is a protocol for sending email messages between servers; (4) Uses TCP port 143

(A) (1) & (2)

(B) (2) & (4)

(C) (1), (2) & (4)

(D) (3) & (4)

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
- B (Confident) B (Confident)
- B (Very confident) B (Very confident)
- C (Not confident at all) C (Not confident at all)

- ![]C (Slightly confident) C (Slightly confident)
- ![]C (Somewhat confident) C (Somewhat confident)
- ![]C (Confident) C (Confident)
- ![]C (Very confident) C (Very confident)
- ![]D (Not confident at all) D (Not confident at all)
- ![]D (Slightly confident) D (Slightly confident)
- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

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A hacker has captured network traffic with cleartext commands sent from the client to the server console. Which one of the following ports is being used by the network admin for the client-server communication?

(A) 49

(B) 23

(C) 68

(D) 22

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
- ![]A (Very confident) A (Very confident)
- ![]B (Not confident at all) B (Not confident at all)
- ![]B (Slightly confident) B (Slightly confident)
- ![]B (Somewhat confident) B (Somewhat confident)
- ![]B (Confident) B (Confident)
- ![]B (Very confident) B (Very confident)
- ![]C (Not confident at all) C (Not confident at all)
- ![]C (Slightly confident) C (Slightly confident)
- ![]C (Somewhat confident) C (Somewhat confident)
- ![]C (Confident) C (Confident)
- ![]C (Very confident) C (Very confident)
- ![]D (Not confident at all) D (Not confident at all)
- ![]D (Slightly confident) D (Slightly confident)
- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

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A network technician uses an RDP client on their Windows OS in order to remotely troubleshoot a problem on another Windows machine. Which one of the following ports needs to be opened for the built-in Windows RDP server to allow this type of network connection?

(A) 1701

(B) 139

(C) 3389

(D) 110

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
- B (Confident) B (Confident)
- B (Very confident) B (Very confident)
- C (Not confident at all) C (Not confident at all)
- C (Slightly confident) C (Slightly confident)
- C (Somewhat confident) C (Somewhat confident)
- C (Confident) C (Confident)
- C (Very confident) C (Very confident)
- D (Not confident at all) D (Not confident at all)
- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

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Simple Mail Transfer Protocol (SMTP) operates with the use of TCP port:

(A) 110

(B) 25

(C) 143

(D) 23

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
- B (Confident) B (Confident)
- B (Very confident) B (Very confident)
- C (Not confident at all) C (Not confident at all)
- C (Slightly confident) C (Slightly confident)
- C (Somewhat confident) C (Somewhat confident)
- C (Confident) C (Confident)

- ![]C (Very confident) C (Very confident)
- ![]D (Not confident at all) D (Not confident at all)
- ![]D (Slightly confident) D (Slightly confident)
- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

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Unblocking port number 22 enables what type of traffic? Options: (1) SSH; (2) SFTP; (3) FTP; (4) SCP; (5) FTPS

(A) (1),(2) and (4)

(B) (1), (2) and (3)

(C) (1), (2) and (5)

(D) (1), (3) and (4)

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
- ![]A (Very confident) A (Very confident)
- ![]B (Not confident at all) B (Not confident at all)
- ![]B (Slightly confident) B (Slightly confident)
- ![]B (Somewhat confident) B (Somewhat confident)
- ![]B (Confident) B (Confident)
- ![]B (Very confident) B (Very confident)
- ![]C (Not confident at all) C (Not confident at all)
- ![]C (Slightly confident) C (Slightly confident)
- ![]C (Somewhat confident) C (Somewhat confident)
- ![]C (Confident) C (Confident)
- ![]C (Very confident) C (Very confident)
- ![]D (Not confident at all) D (Not confident at all)
- ![]D (Slightly confident) D (Slightly confident)
- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

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TCP port 1720 is the default port number for:

(A) MGCP

(B) RTP

(C) PPTP

(D) H.323

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
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- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

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Which one of the following tools would be used to identify running services on a networked host?

(A) Packet sniffer

(B) Loopback interface

(C) Protocol analyzer

(D) Port scanner

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
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- B (Confident) B (Confident)
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- C (Very confident) C (Very confident)
- D (Not confident at all) D (Not confident at all)
- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

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Which one of the folllowing port numbers is used by an Apple-proprietary file sharing protocol?

(A) 427

(B) 443

(C) 445

(D) 548

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
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- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

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A router configuration feature that allows for opening an inbound port temporarily based on the outbound requests made by hosts placed inside a private network is called:

(A) Port triggering

(B) Port bonding

(C) Port forwarding

(D) Port mirroring

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confent at all) B (Not confident at all)

- ![]B (Slightly confident) B (Slightly confident)
- ![]B (Somewhat confident) B (Somewhat confident)
- ![]B (Confident) B (Confident)
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- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

Network Protocols

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Which one of the following is an obsolete dial-up protocol?

(A) ISIS

(B) SLIP

(C) L2TP

(D) Kerberos

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
- ![]A (Very confident) A (Very confident)
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- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

Which one of the following answers lists an example of a protocol used for implementing control over multiple Access Points (APs)?

(A) LDAP

(B) LWAPP

(C) RTSP

(D) MGCP

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
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- B (Somewhat confident) B (Somewhat confident)
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- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

Which one of the following is a dial-up protocol?

(A) PPP

(B) PPTP

(C) TCP/IP

(D) FTP

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)

- B (Confident) B (Confident)
- B (Very confident) B (Very confident)
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- D (Not confident at all) D (Not confident at all)
- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

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Which one of the following solutions allows network administrators to prioritize certain types of network traffic?

(A) NAC

(B) UAC

(C) NAT

(D) QoS

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
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- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

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A Microsoft-proprietary protocol providing a user with a graphical interface for connecting to another computer over a network is known as:

(A) RDP

(B) IPP

(C) RIP

(D) WAP

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
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- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

Which one of the answers listed below refers to zero-configuration networking?

(A) WAP

(B) UPnP

(C) TKIP

(D) PnP

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
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- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

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Which one of these is the function of POP3?

(A) Sending email messages

(B) Retrieving email messages from a mail server

(C) Translating domain names into IP addresses

(D) File exchange

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
- ![]A (Very confident) A (Very confident)
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- ![]B (Slightly confident) B (Slightly confident)
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- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

Which one of the following answers lists a cryptographic network protocol for secure data communication, remote command-line login, remote command execution, and other secure network services between two networked computers?

(A) Telnet

(B) SSH

(C) Bcrypt

(D) TFTP

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
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- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

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Which one of the following technologies simplifies configuration of new wireless networks by providing non-technical users with a capability to easily configure network security settings and add new devices to an existing network?

(A) WPA

(B) WPS

(C) UPnP

(D) WAP

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
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- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

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Which one of the acronyms listed below refers to a technology that allows for real-time analysis of security alerts generated by network hardware and applications?

(A) LACP

(B) DSCP

(C) SIEM

(D) LWAPP

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
- ![]A (Very confident) A (Very confident)
- ![]B (Not confident at all) B (Not confident at all)
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- ![]C (Slightly confident) C (Slightly confident)
- ![]C (Somewhat confident) C (Somewhat confident)
- ![]C (Confident) C (Confident)
- ![]C (Very confident) C (Very confident)
- ![]D (Not confident at all) D (Not confident at all)
- ![]D (Slightly confident) D (Slightly confident)
- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

In half-duplex communication transmission takes place:

(A) In two directions simultaneously

(B) Only in one direction at a time

(C) In one direction only

(D) In both directions at half the speed

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
- B (Confident) B (Confident)
- B (Very confident) B (Very confident)
- C (Not confident at all) C (Not confident at all)
- C (Slightly confident) C (Slightly confident)
- C (Somewhat confident) C (Somewhat confident)
- C (Confident) C (Confident)
- C (Very confident) C (Very confident)
- D (Not confident at all) D (Not confident at all)
- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

A type of architecture that simplifies networking by allowing devices to dynamically join a network, autoconfigure, and learn about the presence and capabilities of other devices is known as:

(A) DHCP

(B) UPnP

(C) S.M.A.R.T

(D) UEFI

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
- B (Confident) B (Confident)
- B (Very confident) B (Very confident)
- C (Not confident at all) C (Not confident at all)
- C (Slightly confident) C (Slightly confident)
- C (Somewhat confident) C (Somewhat confident)
- C (Confident) C (Confident)
- C (Very confident) C (Very confident)
- D (Not confident at all) D (Not confident at all)
- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

Attack types

[]

Which one of the following terms is used to describe a collection of intermediary compromised systems under control of a hacker?

(A) Honeynet

(B) Botnet

(C) Intranet

(D) Malware

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
- B (Confident) B (Confident)
- B (Very confident) B (Very confident)
- C (Not confident at all) C (Not confident at all)
- C (Slightly confident) C (Slightly confident)
- C (Somewhat confident) C (Somewhat confident)
- C (Confident) C (Confident)
- C (Very confident) C (Very confident)
- D (Not confident at all) D (Not confident at all)
- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

Which one of the following is an example of active eavesdropping?

(A) Spoofing

(B) Zero-day attack

(C) Spear phishing

(D) MITM

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)

- ![]A (Confident) A (Confident)
- ![]A (Very confident) A (Very confident)
- ![]B (Not confident at all) B (Not confident at all)
- ![]B (Slightly confident) B (Slightly confident)
- ![]B (Somewhat confident) B (Somewhat confident)
- ![]B (Confident) B (Confident)
- ![]B (Very confident) B (Very confident)
- ![]C (Not confident at all) C (Not confident at all)
- ![]C (Slightly confident) C (Slightly confident)
- ![]C (Somewhat confident) C (Somewhat confident)
- ![]C (Confident) C (Confident)
- ![]C (Very confident) C (Very confident)
- ![]D (Not confident at all) D (Not confident at all)
- ![]D (Slightly confident) D (Slightly confident)
- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

What is tailgating?

(A) Acquiring unauthorized access to confidential data

(B) Looking over someone's shoulder in order to get information

(C) Gaining unauthorized access to restricted areas by following another person

(D) Manipulating a user into disclosing confidential information

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
- ![]A (Very confident) A (Very confident)
- ![]B (Not confident at all) B (Not confident at all)
- ![]B (Slightly confident) B (Slightly confident)
- ![]B (Somewhat confident) B (Somewhat confident)
- ![]B (Confident) B (Confident)
- ![]B (Very confident) B (Very confident)
- ![]C (Not confident at all) C (Not confident at all)
- ![]C (Slightly confident) C (Slightly confident)
- ![]C (Somewhat confident) C (Somewhat confident)
- ![]C (Confident) C (Confident)
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- ![]D (Not confident at all) D (Not confident at all)
- ![]D (Slightly confident) D (Slightly confident)
- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

Network Components

[]

A type of server used for collecting system messages from networked devices is known as:

(A) Web server

(B) UC server

(C) Syslog server

(D) ICS server

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
- B (Confident) B (Confident)
- B (Very confident) B (Very confident)
- C (Not confident at all) C (Not confident at all)
- C (Slightly confident) C (Slightly confident)
- C (Somewhat confident) C (Somewhat confident)
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- C (Very confident) C (Very confident)
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- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

A security solution implemented on an individual computer monitoring that specific system for malicious activities or policy violations is referred to as:

(A) NIPS

(B) MAC filter

(C) Firewall

(D) HIDS

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)

- ![]B (Confident) B (Confident)
- ![]B (Very confident) B (Very confident)
- ![]C (Not confident at all) C (Not confident at all)
- ![]C (Slightly confident) C (Slightly confident)
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- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

A lightly protected subnet consisting of publicly available servers placed on the outside of the company's firewall is commonly referred to as:

(A) VPN

(B) Bridge

(C) VLAN

(D) DMZ

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
- ![]A (Very confident) A (Very confident)
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- ![]B (Slightly confident) B (Slightly confident)
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- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

An infrastructure device designed for connecting wireless/wired client devices to a network is commonly referred to as:

(A) Demarc

(B) Access Point (AP)

(C) Intermediate Distribution Frame (IDF)

(D) Active hub

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
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- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

Basic Networking Commands

[]

A Linux command-line utility used for displaying and modifying network interface configuration settings is called:

(A) IFCONFIG

(B) NET CONFIG

(C) IPCONFIG

(D) NETWORKSETUP

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
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- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

Which one of the following utilities can be used to see active connections on a server?

(A) PING

(B) NBTSTAT

(C) NETSTAT

(D) TRACERT

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
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- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

Network Addressing

[]

Which one of the following answers refers to an IPv6 link-local address?

(A) 2002::/16

(B) FE80::/64

(C) 2001::/32

(D) ::1/128

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
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- C (Confident) C (Confident)
- C (Very confident) C (Very confident)
- D (Not confident at all) D (Not confident at all)
- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

Which one of the following is an example of a valid subnet mask?

(A) 255.255.225.0

(B) 255.255.191.0

(C) 255.255.127.0

(D) None of the above

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
- B (Confident) B (Confident)
- B (Very confident) B (Very confident)
- C (Not confident at all) C (Not confident at all)
- C (Slightly confident) C (Slightly confident)
- C (Somewhat confident) C (Somewhat confident)
- C (Confident) C (Confident)
- C (Very confident) C (Very confident)
- D (Not confident at all) D (Not confident at all)

- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

Which one of the following solutions is used to hide the internal IP addresses by modifying IP address information in IP packet headers while in transit across a traffic routing device?

(A) NAC

(B) ACL

(C) NAT

(D) DMZ

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
- B (Confident) B (Confident)
- B (Very confident) B (Very confident)
- C (Not confident at all) C (Not confident at all)
- C (Slightly confident) C (Slightly confident)
- C (Somewhat confident) C (Somewhat confident)
- C (Confident) C (Confident)
- C (Very confident) C (Very confident)
- D (Not confident at all) D (Not confident at all)
- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

What is the binary representation of 255.255.128.0 subnet mask?

(A) 11111111.11111111.10000000.00000000

(B) 11111111.11111111.11000000.00000000

(C) 11111111.11111111.11100000.00000000

(D)11111111.11111111.11110000.00000000

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
- ![]A (Very confident) A (Very confident)
- ![]B (Not confident at all) B (Not confident at all)
- ![]B (Slightly confident) B (Slightly confident)
- ![]B (Somewhat confident) B (Somewhat confident)
- ![]B (Confident) B (Confident)
- ![]B (Very confident) B (Very confident)
- ![]C (Not confident at all) C (Not confident at all)
- ![]C (Slightly confident) C (Slightly confident)
- ![]C (Somewhat confident) C (Somewhat confident)
- ![]C (Confident) C (Confident)
- ![]C (Very confident) C (Very confident)
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- ![]D (Slightly confident) D (Slightly confident)
- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

Which one of the folllowing answers refers to a CIDR notation for 255.255.224.0 subnet mask?

(A) /19

(B) /20

(C) /21

(D) /22

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
- ![]A (Very confident) A (Very confident)
- ![]B (Not confident at all) B (Not confident at all)
- ![]B (Slightly confident) B (Slightly confident)
- ![]B (Somewhat confident) B (Somewhat confident)
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- ![]D (Slightly confident) D (Slightly confident)
- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

What is the leading octet value range for an IPv4 address belonging to a class B network?

(A) 128 - 191

(B) 1 - 126

(C) 192 - 223

(D) 224 - 239

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)
- B (Slightly confident) B (Slightly confident)
- B (Somewhat confident) B (Somewhat confident)
- B (Confident) B (Confident)
- B (Very confident) B (Very confident)
- C (Not confident at all) C (Not confident at all)
- C (Slightly confident) C (Slightly confident)
- C (Somewhat confident) C (Somewhat confident)
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- C (Very confident) C (Very confident)
- D (Not confident at all) D (Not confident at all)
- D (Slightly confident) D (Slightly confident)
- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

Which one of the following would be in use when a WINS server tries to resolve a host name into an IP address on a Windows-based LAN?

(A) TCP/IP

(B) NetBIOS

(C) Telnet

(D) DNS

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
- B (Not confident at all) B (Not confident at all)

- ![]B (Slightly confident) B (Slightly confident)
- ![]B (Somewhat confident) B (Somewhat confident)
- ![]B (Confident) B (Confident)
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- ![]C (Slightly confident) C (Slightly confident)
- ![]C (Somewhat confident) C (Somewhat confident)
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- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

Which one of the following are IPv6 loopback addresses? (*Select when both options are loopback addresses*)

(A) 127.0.0.1 & 0:0:0:0:0:0:0:1

(B) 0:0:0:0:0:0:0:1 & ::1

(C) ::1 & FE80::/64

(D) FE80::/64 & 169.254/16

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
- ![]A (Very confident) A (Very confident)
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- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

Network Architectures

[]

Which one of the following answers refers to Generic Routing Encapsulation (GRE)?

(A) Tunneling protocol

(B) IEEE 802.1Q

(C) VLAN Trunking Protocol (VTP)

(D) Address Resolution Protocol (ARP)

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
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- D (Somewhat confident) D (Somewhat confident)
- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

What is the most common type of a DSL Internet access:

(A) VDSL

(B) ADSL

(C) SDSL

(D) UDSL

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
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- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

The use of cable modems within a standard cable television infrastructure for Internet access is commonly referred to as:

(A) Broadband cable

(B) Frame relay

(C) Metro-Ethernet

(D) Dial-up

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
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- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

Which one of the following network topologies is most commonly used in contemporary Ethernet LANs?

(A) Bus topology

(B) Star topology

(C) Ring topology

(D) Mesh topology

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
- A (Very confident) A (Very confident)
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- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

Which one of the answers listed below is an example of point-to-point network topology?

(A) Leased line

(B) IEEE 802.11

(C) Star topology

(D) WAN

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
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- ![]D (Very confident) D (Very confident)
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[]

Which one of the following technologies CANNOT be used by devices communicating in a WPAN?

(A) Bluetooth

(B) 100BASE-T

(C) Near Field Communication (NFC)

(D) Infrared (IR)

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
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- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

Which one of the following is a disadvantage of the client-server model over peer-to-peer networking model?

(A) Higher level of security

(B) Easier administration

(C) Higher level of redundancy

(D) Improved performance

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
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- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

Which one of these are most modern WLANs based on:

(A) IEEE 802.11

(B) IEEE 802.1x

(C) IEEE 802.3

(D) IEEE 802.1q

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
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- D (Very confident) D (Very confident)
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[]

Which of the following answers list examples of Industrial Control System (ICS) solutions? (Select an answer if both options are examples)

(A) KVM & DCS

(B) DCS & SCADA

(C) RADIUS & IKE

(D) KVM & SCADA

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
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- A (Confident) A (Confident)
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- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

AAA

[]

In the AAA security architecture, the process of tracking accessed services as well as the amount of consumed resources is called:

(A) Authentication

(B) Authorization

(C) Accounting

(D) Identity Proofing

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)

- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
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- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

Which part of the AAA security architecture deals with the verification of the identity of a person or process?

(A) Authentication

(B) Authorization

(C) Accounting

(D) Identity Proofing

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
- ![]A (Confident) A (Confident)
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- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

Which one of the answers listed below refers to the process of granting or denying access to resources?

(A) Authentication

(B) Authorization

(C) Accounting

(D) Identity Proofing

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
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Windows Security Features

[]

Which Microsoft Windows technology offers the capability to take advantage of unused space on a USB flash drive or flash memory card to help improve PC performance?

(A) Device Manager

(B) Windows Easy Transfer

(C) ReadyBoost

(D) BitLocker To Go Reader

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
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[]

With the release of Windows ME, Microsoft added a new built-in utility to their desktop operating systems which allows to roll back system files and settings to an earlier point in time without affecting personal files. It provides a yet another way to undo system changes to the computer when an installation of a new program or device driver causes a problem and uninstalling doesn't fix the problem. The utility's interface contains a list allowing the user to bring back the system to the state it was in before the selected event. Items on that list are called:

(A) Roll-back points

(B) Backup entries

(C) Restore points

(D) Recovery points

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
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- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)

- ![]I don't know I don't know

[]

Microsoft Windows 8/8.1 versions equipped with the BitLocker functionality include: (1) Core ; (2) Starter ; (3) Pro; (4) Enterprise; (5)Ultimate

(A) (1) & (4)

(B) (3) & (4)

(C) (3) & (5)

(D) (2) & (4)

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
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- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

Server Configuration

[]

Which one of the following contains the HCL that is required during server OS installation?

(A) Operating system CD

(B) Hardware installation CD

(C) Hardware installation manual

(D) Operating system vendor Website

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)

- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
- A (Confident) A (Confident)
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- D (Very confident) D (Very confident)
- I don't know I don't know

[]

Which one of the following services on a server relate to a Print service?

(A) Server

(B) Client

(C) RPC

(D) Spooler

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
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- D (Very confident) D (Very confident)
- I don't know I don't know

[]

Which one of the following services is not required on a dedicated server?

(A) The RAS service

(B) Client service

(C) DHCP service

(D) None of the above

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
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- D (Confident) D (Confident)
- D (Very confident) D (Very confident)
- I don't know I don't know

[]

Which one of the following server types can be assigned dynamic IP addresses?

(A) File Server

(B) DNS Server

(C) DHCP Server

(D) None of the above

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
- A (Somewhat confident) A (Somewhat confident)
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- ![]D (Somewhat confident) D (Somewhat confident)
- ![]D (Confident) D (Confident)
- ![]D (Very confident) D (Very confident)
- ![]I don't know I don't know

[]

How would you login to a server that has been taken off network for maintenance task?

(A) Using local accounts

(B) Using administrator accounts

(C) Using a local administrator account

(D) Its not possible to login to a server taken off the network

Please choose **only one** of the following:

- ![]A (Not confident at all) A (Not confident at all)
- ![]A (Slightly confident) A (Slightly confident)
- ![]A (Somewhat confident) A (Somewhat confident)
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[]

You are configuring RAS service on the server. You are using a dial-up modem for connectivity, which one of the following configuration is important?

(A) IP address assignment to the NIC

(B) IP address assignment to the modem

(C) IP address to the dial-up adapter

(D) IP address to the connecting line

Please choose **only one** of the following:

- A (Not confident at all) A (Not confident at all)
- A (Slightly confident) A (Slightly confident)
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Thank you for your participation in the ISF pilot

Submit your survey.
Thank you for completing this survey.