RC0-501^{Q&As}

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QUESTION 1

A security analyst wishes to increase the security of an FTP server. Currently, all trails to the FTP server is unencrypted. Users connecting to the FTP server use a variety of modem FTP client software. The security analyst wants to keep the

same port and protocol, while also still allowing unencrypted connections.

Which of the following would BEST accomplish these goals?

A. Require the SFTP protocol to connect to the file server.

B. Use implicit TLS on the FTP server.

C. Use explicit FTPS for the connections.

D. Use SSH tunneling to encrypt the FTP traffic.

Correct Answer: C

QUESTION 2

An organization has hired a penetration tester to test the security of its ten web servers. The penetration tester is able to gain root/administrative access in several servers by explogting vulnerabilities associated with the implementation of SMTP, POP, DNS, FTP, Telnet, and IMAP. Which of the following recommendations should the penetration tester provide to the organization to better protect their web servers in the future?

A. Use a honeypot

B. Disable unnecessary services

C. Implement transport layer security

D. Increase application event logging

Correct Answer: B

QUESTION 3

Joe is exchanging encrypted email with another party. Joe encrypts the initial email with a key. When Joe receives a response, he is unable to decrypt the response with the same key he used initially. Which of the following would explain the situation?

A. An ephemeral key was used for one of the messages

B. A stream cipher was used for the initial email; a block cipher was used for the reply

C. Out-of-band key exchange has taken place

D. Asymmetric encryption is being used

Correct Answer: D

Asymmetric algorithms use two keys to encrypt and decrypt dat A. These asymmetric keys are

referred to as the public key and the private key. The sender uses the public key to encrypt a message, and the receiver uses the private key to decrypt the message; what one key does, the other one undoes.

QUESTION 4

Which of the following implements two-factor authentication?

A. A phone system requiring a PIN to make a call

B. At ATM requiring a credit card and PIN

C. A computer requiring username and password

D. A datacenter mantrap requiring fingerprint and iris scan

Correct Answer: B

QUESTION 5

A user clicked an email link that led to a website than infected the workstation with a virus. The virus encrypted all the network shares to which the user had access. The virus was not deleted or blocked by the company\\'s email filter, website filter, or antivirus. Which of the following describes what occurred?

A. The user\\'s account was over-privileged.

B. Improper error handling triggered a false negative in all three controls.

C. The email originated from a private email server with no malware protection.

D. The virus was a zero-day attack.

Correct Answer: A

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