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**QUESTION 1**

John wishes to install a new application onto his Windows 2000 server. He wants to ensure that any application he uses has not been Trojaned. What can he do to help ensure this?

- A. Compare the file's MD5 signature with the one published on the distribution media
- B. Obtain the application via SSL
- C. Compare the file's virus signature with the one published on the distribution media
- D. Obtain the application from a CD-ROM disc

Correct Answer: A

MD5 was developed by Professor Ronald L. Rivest of MIT. What it does, to quote the executive summary of rfc1321, is:

[The MD5 algorithm] takes as input a message of arbitrary length and produces as output a 128-bit "fingerprint" or "message digest" of the input. It is conjectured that it is computationally infeasible to produce two messages having the same

message digest, or to produce any message having a given prespecified target message digest. The MD5 algorithm is intended for digital signature applications, where a large file must be "compressed" in a secure manner before being

encrypted with a private (secret) key under a public-key cryptosystem such as RSA. In essence, MD5 is a way to verify data integrity, and is much more reliable than checksum and many other commonly used methods.

QUESTION 2

Which definition below best describes a covert channel?

- A. Making use of a Protocol in a way it was not intended to be used
- B. It is the multiplexing taking place on communication link
- C. It is one of the weak channels used by WEP that makes it insecure
- D. A Server Program using a port that is not well known

Correct Answer: A

A covert channel is a hidden communication channel not intended for information transfer at all. Redundancy can often be used to communicate in a covert way. There are several ways that hidden communication can be set up.

QUESTION 3

You are configuring the security options of your mail server and you would like to block certain file attachments to prevent viruses and malware from entering the users inbox.

Which of the following file formats will you block?



(Select up to 6)

- A. .txt
- B. .vbs
- C. .pif
- D. .jpg
- E. .gif
- F. .com
- G. .htm
- H. .rar
- I. .scr
- J. .exe

Correct Answer: BCEFIJ

<http://office.microsoft.com/en-us/outlook/HP030850041033.aspx>

QUESTION 4

What is the following command used for? `net use \targetipc$ "" /u:""`

- A. Grabbing the etc/passwd file
- B. Grabbing the SAM
- C. Connecting to a Linux computer through Samba.
- D. This command is used to connect as a null session
- E. Enumeration of Cisco routers

Correct Answer: D

The null session is one of the most debilitating vulnerabilities faced by Windows. Null sessions can be established through port 135, 139, and 445.

QUESTION 5

The evil hacker, is purposely sending fragmented ICMP packets to a remote target. The total size of this ICMP packet once reconstructed is over 65,536 bytes. From the information given, what type of attack is attempting to perform?

- A. Syn flood
- B. Smurf



C. Ping of death

D. Fraggle

Correct Answer: C

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