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Vendor:CompTIA

Exam Code:SY0-401

Exam Name:CompTIA Security+ Certification Exam

Version:Demo

QUESTION 1

Which of the following should be performed to increase the availability of IP telephony by prioritizing traffic?

- A. Subnetting
- B. NAT
- C. Quality of service
- D. NAC

Correct Answer: C

Quality of Service (QoS) facilitates the deployment of media-rich applications, such as video conferencing and Internet Protocol (IP) telephony, without adversely affecting network throughput.

QUESTION 2

On Monday, all company employees report being unable to connect to the corporate wireless network, which uses 802.1x with PEAP. A technician verifies that no configuration changes were made to the wireless network and its supporting infrastructure, and that there are no outages.

Which of the following is the MOST likely cause for this issue?

- A. Too many incorrect authentication attempts have caused users to be temporarily disabled.
- B. The DNS server is overwhelmed with connections and is unable to respond to queries.
- C. The company IDS detected a wireless attack and disabled the wireless network.
- D. The Remote Authentication Dial-In User Service server certificate has expired.

Correct Answer: D

The question states that the network uses 802.1x with PEAP. The 802.1x authentication server is typically an EAP-compliant Remote Access Dial-In User Service (RADIUS). A RADIUS server will be configured with a digital certificate. When

a digital certificate is created, an expiration period is configured by the Certificate Authority (CA). The expiration period is commonly one or two years.

The question states that no configuration changes have been made so it's likely that the certificate has expired.

QUESTION 3

Ann a security technician receives a report from a user that is unable to access an offsite SSN server. Ann checks the firewall and sees the following rules:

Allow TCP 80

Allow TCP 443

Deny TCP 23

Deny TCP 20

Deny TCP 21

Which of the following is preventing the users from accessing the SSH server?

A. Deny TCP 20

B. Deny TCP 21

C. Deny TCP 23

D. Implicit deny

Correct Answer: D

QUESTION 4

Which of the following ports is used to securely transfer files between remote UNIX systems?

A. 21

B. 22

C. 69

D. 445

Correct Answer: B

SCP copies files securely between hosts on a network. It uses SSH for data transfer, and uses the same authentication and provides the same security as SSH. Unlike RCP, SCP will ask for passwords or passphrases if they are needed for authentication. SSH uses TCP port 22. All protocols encrypted by SSH, including SFTP, SHTTP, SCP, SExec, and slogin, also use TCP port 22.

QUESTION 5

A rogue programmer included a piece of code in an application to cause the program to halt at 2:00 PM on Monday afternoon when the application is most utilized. This is Which of the following types of malware?

A. Trojan

B. Virus

C. Logic Bomb

D. Botnets

Correct Answer: C

QUESTION 6

Which of the following is an attack designed to activate based on time?

- A. Logic Bomb
- B. Backdoor
- C. Trojan
- D. Rootkit

Correct Answer: A

QUESTION 7

An employee from the fire Marshall's office arrives to inspect the data center. The operator allows him to bypass the multi-factor authentication to enter the data center. Which of the following types of attacks may be underway?

- A. Impersonation
- B. Hoax
- C. Tailgating
- D. Spoofing

Correct Answer: C

QUESTION 8

Which of the following ports should be used by a system administrator to securely manage a remote server?

- A. 22
- B. 69
- C. 137
- D. 445

Correct Answer: A

Secure Shell (SSH) is a more secure replacement for Telnet, rlogin, rsh, and rcp. SSH can be called a remote access or remote terminal solution. SSH offers a means by which a command-line, text-only interface connection with a server, router, switch, or similar device can be established over any distance. SSH makes use of TCP port 22.

QUESTION 9

Ann a new small business owner decides to implement WiFi access for her customers. There are several other businesses nearby who also have WiFi hot spots. Ann is concerned about security of the wireless network and wants to ensure that only her customers have access. Which of the following choices BEST meets her intent of security and access?

- A. Enable port security
- B. Enable WPA
- C. Disable SSID broadcasting
- D. Enable WEP

Correct Answer: B

QUESTION 10

A company's password and authentication policies prohibit the use of shared passwords and transitive trust. Which of the following if implemented would violate company policy? (Select TWO)

- A. Discretionary access control
- B. Federation
- C. Single sign-on
- D. TOTP
- E. Two-factor authentication

Correct Answer: AC

QUESTION 11

Ann, a system analyst, discovered the following log. Which of the following or techniques does this indicate?

```
{bp1@localmachine}$ ls-al
```

Total 12

```
Drwxrwxr-x
```

```
drwxrwxr-x.  2 bp1 businesspartner 4096 Apr 18 05:19 .
drwx----- 22 bp1 businesspartner 4096 Apr 19 05:19 ..
-rw-rw-r--.  1 bp1 businesspartner 5023801 Apr 19 05:19 businesspartnerstatements18-4.csv
-rw-rw-r--.  1 bp1 businesspartner 7812851 Apr 20 05:19 businesspartnerstatements17-4.txt
-rw-rw-r--.  1 bp1 businesspartner 1739017 Apr 21 05:19 businesspartnerstatements16-4.csv
[nessus log] evil user sftp * 139.130.4.5: businesspartnerstatements18-4.csv
[nessus log] evil user sftp * 139.130.4.5: businesspartnerstatements18-4.csv
```

- A. Protocol analyzer

- B. Port scanner
- C. Vulnerability
- D. Banner grabbing

Correct Answer: A

QUESTION 12

A Company transfers millions of files a day between their servers. A programmer for the company has created a program that indexes and verifies the integrity of each file as it is replicated between servers. The programmer would like to use the fastest algorithm to ensure integrity. Which of the following should the programmer use?

- A. SHA1
- B. RIPEMD
- C. DSA
- D. MD5

Correct Answer: D

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