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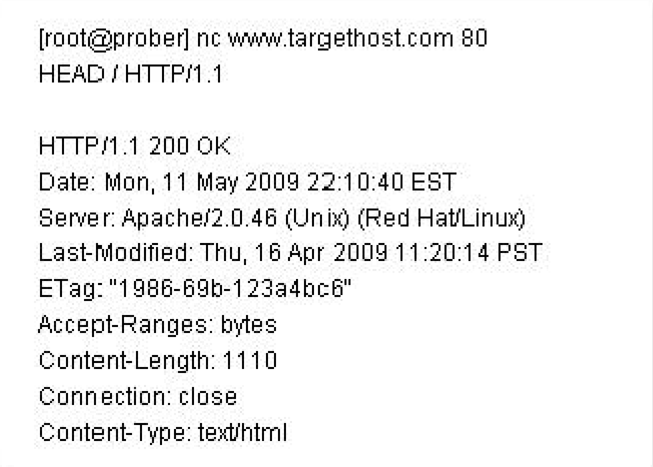
Question 1

Question Type: **MultipleChoice**

John works as a Network Security Professional. He is assigned a project to test the security of

www.we-are-secure.com. He establishes a connection to a target host running a Web service with netcat and sends a bad html request in order to retrieve information about the service on the host.



```
[root@prober] nc www.targethost.com 80
HEAD / HTTP/1.1

HTTP/1.1 200 OK
Date: Mon, 11 May 2009 22:10:40 EST
Server: Apache/2.0.46 (Unix) (Red Hat/Linux)
Last-Modified: Thu, 16 Apr 2009 11:20:14 PST
ETag: "1986-69b-123a4bc6"
Accept-Ranges: bytes
Content-Length: 1110
Connection: close
Content-Type: text/html
```

Which of the following attacks is John using?

Options:

A- Sniffing

B- Eavesdropping

C- War driving

D- Banner grabbing

Answer:

D

Question 2

Question Type: MultipleChoice

You work as a System Administrator for Happy World Inc. Your company has a server named uC1 that runs Windows Server 2008. The Windows Server virtualization role service is installed on the uC1 server which hosts one virtual machine that also runs Windows Server 2008. You are required to install a new application on the virtual machine. You need to ensure that in case of a failure of the application installation, you are able to quickly restore the virtual machine to its original state.

Which of the following actions will you perform to accomplish the task?

Options:

A- Use the Virtualization Management Console to save the state of the virtual machine.

B- Log on to the virtual host and create a new dynamically expanding virtual hard disk.

C- Use the Virtualization Management Console to create a snapshot of the virtual machine.

D- Use the Edit Virtual Hard Disk Wizard to copy the virtual hard disk of the virtual machine.

Answer:

C

Question 3

Question Type: **MultipleChoice**

John used to work as a Network Administrator for We-are-secure Inc. Now he has resigned from the company for personal reasons. He wants to send out some secret information of the company. To do so, he takes an image file and simply uses a tool image hide and embeds the secret file within an image file of the famous actress, Jennifer Lopez, and sends it to his Yahoo mail id. Since he is using the image file to send the data, the mail server of his company is unable to filter this mail. Which of the following techniques is he performing to accomplish his task?

Options:

A- Email spoofing

B- Steganography

C- Web ripping

D- Social engineering

Answer:

B

Question 4

Question Type: **MultipleChoice**

Adam works as a Security Administrator for Umbrella Technology Inc. He reported a breach in security to his senior members, stating that "security defenses has been breached and exploited for 2 weeks by hackers." The hackers had accessed and downloaded 50,000 addresses containing customer credit cards and passwords. Umbrella Technology was looking to law enforcement officials to protect their intellectual property.

The intruder entered through an employee's home machine, which was connected to Umbrella Technology's corporate VPN network. The application called BEAST Trojan was used in the attack to open a "back door" allowing the hackers undetected access. The security breach was discovered when customers complained about the usage of their credit cards without their knowledge.

The hackers were traced back to Shanghai, China through e-mail address evidence. The credit card information was sent to that same e-mail address. The passwords allowed the hackers to access Umbrella Technology's network from a remote location, posing as employees.

Which of the following actions can Adam perform to prevent such attacks from occurring in future?

Options:

A- Allow VPN access but replace the standard authentication with biometric authentication

B- Replace the VPN access with dial-up modem access to the company's network

C- Disable VPN access to all employees of the company from home machines

D- Apply different security policy to make passwords of employees more complex

Answer:

C

Question 5

Question Type: **MultipleChoice**

Which of the following refers to a condition in which a hacker sends a bunch of packets that leave TCP ports half open?

Options:

A- Spoofing

B- Hacking

C- SYN attack

D- PING attack

Answer:

C

Question 6

Question Type: **MultipleChoice**

Which of the following controls is described in the statement given below?

"It ensures that the enforcement of organizational security policy does not rely on voluntary web application user compliance. It secures information by assigning sensitivity labels on information and comparing this to the level of security a user is operating at."

Options:

A- Role-based Access Control

B- Attribute-based Access Control

C- Discretionary Access Control

D- Mandatory Access Control

Answer:

D

Question 7

Question Type: **MultipleChoice**

Which of the following wireless network security solutions refers to an authentication process in which a user can connect wireless access points to a centralized server to ensure that all hosts are properly authenticated?

Options:

A- Remote Authentication Dial-In User Service (RADIUS)

B- IEEE 802.1x

C- Wired Equivalent Privacy (WEP)

D- Wi-Fi Protected Access 2 (WPA2)

Answer:

B

Question 8

Question Type: **MultipleChoice**

Which of the following are the limitations for the cross site request forgery (CSRF) attack?

Each correct answer represents a complete solution. Choose all that apply.

Options:

A- The attacker must determine the right values for all the form inputs.

B- The attacker must target a site that doesn't check the referrer header.

C- The target site should have limited lifetime authentication cookies.

D- The target site should authenticate in GET and POST parameters, not only cookies.

Answer:

A, B

Question 9

Question Type: **MultipleChoice**

Which of the following is used to determine the operating system on the remote computer in a network environment?

Options:

A- Spoofing

B- Reconnaissance

C- OS Fingerprinting

D- Social engineering

Answer:

C

Question 10

Question Type: **MultipleChoice**

John works as a C programmer. He develops the following C program:

```
#include

#include

#include

int buffer(char *str) {

char buffer1[10];

strcpy(buffer1, str);

return 1;

}

int main(int argc, char *argv[]) {
```

```
buffer (argv[1]);

printf("Executed\n");

return 1;

}
```

His program is vulnerable to a ___________ attack.

Options:

A- SQL injection

B- Denial-of-Service

C- Buffer overflow

D- Cross site scripting

Answer:

C

Question 11

Question Type: MultipleChoice

Which of the following types of rootkits replaces regular application binaries with Trojan fakes and modifies the behavior of existing applications using hooks, patches, or injected code?

Options:

A- Application level rootkit

B- Hypervisor rootkit

C- Kernel level rootkit

D- Boot loader rootkit

Answer:

A

Question 12

Question Type: MultipleChoice

Victor is a novice Ethical Hacker. He is learning the hacking process, i.e., the steps taken by malicious hackers to perform hacking. Which of the following steps is NOT included in the hacking process?

Options:

A- Scanning

B- Preparation

C- gaining access

D- Reconnaissance

Answer:

B