

## 312-50v10 Dumps

### Certified Ethical Hacker v10

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**NEW QUESTION 1**

- (Exam Topic 1)

The Payment Card Industry Data Security Standard (PCI DSS) contains six different categories of control objectives. Each objective contains one or more requirements, which must be followed in order to achieve compliance. Which of the following requirements would best fit under the objective, "Implement strong access control measures"?

- A. Regularly test security systems and processes.
- B. Encrypt transmission of cardholder data across open, public networks.
- C. Assign a unique ID to each person with computer access.
- D. Use and regularly update anti-virus software on all systems commonly affected by malware.

**Answer: C**

**NEW QUESTION 2**

- (Exam Topic 1)

Vlady works in a fishing company where the majority of the employees have very little understanding of IT let alone IT Security. Several information security issues that Vlady often found includes, employees sharing password, writing his/her password on a post it note and stick it to his/her desk, leaving the computer unlocked, didn't log out from emails or other social media accounts, and etc.

After discussing with his boss, Vlady decided to make some changes to improve the security environment in his company. The first thing that Vlady wanted to do is to make the employees understand the importance of keeping confidential information, such as password, a secret and they should not share it with other persons. Which of the following steps should be the first thing that Vlady should do to make the employees in his company understand to importance of keeping confidential information a secret?

- A. Warning to those who write password on a post it note and put it on his/her desk
- B. Developing a strict information security policy
- C. Information security awareness training
- D. Conducting a one to one discussion with the other employees about the importance of information security

**Answer: A**

**NEW QUESTION 3**

- (Exam Topic 1)

Which of the below hashing functions are not recommended for use?

- A. SHA-1.ECC
- B. MD5, SHA-1
- C. SHA-2. SHA-3
- D. MD5. SHA-5

**Answer: A**

**NEW QUESTION 4**

- (Exam Topic 1)

You perform a scan of your company's network and discover that TCP port 123 is open. What services by default run on TCP port 123?

- A. Telnet
- B. POP3
- C. Network Time Protocol
- D. DNS

**Answer: C**

**NEW QUESTION 5**

- (Exam Topic 1)

Steve, a scientist who works in a governmental security agency, developed a technological solution to identify people based on walking patterns and implemented this approach to a physical control access.

A camera captures people walking and identifies the individuals using Steve's approach.

After that, people must approximate their RFID badges. Both the identifications are required to open the door.

In this case, we can say:

- A. Although the approach has two phases, it actually implements just one authentication factor
- B. The solution implements the two authentication factors: physical object and physical characteristic
- C. The solution will have a high level of false positives
- D. Biological motion cannot be used to identify people

**Answer: B**

**NEW QUESTION 6**

- (Exam Topic 1)

Which of the following is considered as one of the most reliable forms of TCP scanning?

- A. TCP Connect/Full Open Scan
- B. Half-open Scan
- C. NULL Scan
- D. Xmas Scan

**Answer:** A

**NEW QUESTION 7**

- (Exam Topic 1)

Code injection is a form of attack in which a malicious user:

- A. Inserts text into a data field that gets interpreted as code
- B. Gets the server to execute arbitrary code using a buffer overflow
- C. Inserts additional code into the JavaScript running in the browser
- D. Gains access to the codebase on the server and inserts new code

**Answer:** A

**NEW QUESTION 8**

- (Exam Topic 1)

Based on the below log, which of the following sentences are true?

Mar 1, 2016, 7:33:28 AM 10.240.250.23 – 54373 10.249.253.15 – 22 tcp\_ip

- A. SSH communications are encrypted it's impossible to know who is the client or the server
- B. Application is FTP and 10.240.250.23 is the client and 10.249.253.15 is the server
- C. Application is SSH and 10.240.250.23 is the client and 10.249.253.15 is the server
- D. Application is SSH and 10.240.250.23 is the server and 10.249.253.15 is the server

**Answer:** C

**NEW QUESTION 9**

- (Exam Topic 1)

Darius is analysing IDS logs. During the investigation, he noticed that there was nothing suspicious found and an alert was triggered on normal web application traffic. He can mark this alert as:

- A. False-Negative
- B. False-Positive
- C. True-Positive
- D. False-Signature

**Answer:** A

**NEW QUESTION 10**

- (Exam Topic 1)

On performing a risk assessment, you need to determine the potential impacts when some of the critical business process of the company interrupt its service. What is the name of the process by which you can determine those critical business?

- A. Risk Mitigation
- B. Emergency Plan Response (EPR)
- C. Disaster Recovery Planning (DRP)
- D. Business Impact Analysis (BIA)

**Answer:** D

**NEW QUESTION 10**

- (Exam Topic 1)

Which component of IPsec performs protocol-level functions that are required to encrypt and decrypt the packets?

- A. Internet Key Exchange (IKE)
- B. Oakley
- C. IPsec Policy Agent
- D. IPsec driver

**Answer:** A

**NEW QUESTION 15**

- (Exam Topic 1)

Which of the following DoS tools is used to attack target web applications by starvation of available sessions on the web server?

The tool keeps sessions at halt using never-ending POST transmissions and sending an arbitrarily large content-length header value.

- A. My Doom
- B. Astacheldraht
- C. R-U-Dead-Yet?(RUDY)
- D. LOIC

**Answer:** C

**NEW QUESTION 18**

- (Exam Topic 1)

You are attempting to run an Nmap port scan on a web server. Which of the following commands would result in a scan of common ports with the least amount of

noise in order to evade IDS?

- A. nmap -A - Pn
- B. nmap -sP -p-65535-T5
- C. nmap -sT -O -T0
- D. nmap -A --host-timeout 99-T1

**Answer:** C

#### NEW QUESTION 19

- (Exam Topic 1)

You are the Network Admin, and you get a complaint that some of the websites are no longer accessible. You try to ping the servers and find them to be reachable. Then you type the IP address and then you try on the browser, and find it to be accessible. But they are not accessible when you try using the URL. What may be the problem?

- A. Traffic is Blocked on UDP Port 53
- B. Traffic is Blocked on UDP Port 80
- C. Traffic is Blocked on UDP Port 54
- D. Traffic is Blocked on UDP Port 80

**Answer:** A

#### NEW QUESTION 21

- (Exam Topic 1)

The collection of potentially actionable, overt, and publicly available information is known as

- A. Open-source intelligence
- B. Human intelligence
- C. Social intelligence
- D. Real intelligence

**Answer:** A

#### NEW QUESTION 24

- (Exam Topic 1)

Which of the following program infects the system boot sector and the executable files at the same time?

- A. Stealth virus
- B. Polymorphic virus
- C. Macro virus
- D. Multipartite Virus

**Answer:** D

#### NEW QUESTION 26

- (Exam Topic 1)

You are monitoring the network of your organizations. You notice that: Which of the following solution will you suggest?

- A. Block the Blacklist IP's @ Firewall
- B. Update the Latest Signatures on your IDS/IPS
- C. Clean the Malware which are trying to Communicate with the External Blacklist IP's
- D. Both B and C

**Answer:** D

#### NEW QUESTION 31

- (Exam Topic 1)

Which of the following steps for risk assessment methodology refers to vulnerability identification?

- A. Determines if any flaws exist in systems, policies, or procedures
- B. Assigns values to risk probabilities; Impact values.
- C. Determines risk probability that vulnerability will be exploited (Hig
- D. Medium, Low)
- E. Identifies sources of harm to an IT syste
- F. (Natural, Huma
- G. Environmental)

**Answer:** C

#### NEW QUESTION 32

- (Exam Topic 1)

What type of analysis is performed when an attacker has partial knowledge of inner-workings of the application?

- A. Black-box
- B. Announced
- C. White-box
- D. Grey-box

**Answer:** D

**NEW QUESTION 33**

- (Exam Topic 1)

Trinity needs to scan all hosts on a /16 network for TCP port 445 only. What is the fastest way she can accomplish this with Nmap? Stealth is not a concern.

- A. nmap -sn -sF 10.1.0.0/16 445
- B. nmap -p 445 -n -T4 --open 10.1.0.0/16
- C. nmap -s 445 -sU -T5 10.1.0.0/16
- D. nmap -p 445 --max -Pn 10.1.0.0/16

**Answer:** B

**NEW QUESTION 37**

- (Exam Topic 1)

A hacker is an intelligent individual with excellent computer skills and the ability to explore a computer's software and hardware without the owner's permission. Their intention can either be to simply gain knowledge or to illegally make changes. Which of the following class of hacker refers to an individual who works both offensively and defensively at various times?

- A. Suicide Hacker
- B. Black Hat
- C. White Hat
- D. Gray Hat

**Answer:** D

**NEW QUESTION 41**

- (Exam Topic 1)

DNS cache snooping is a process of determining if the specified resource address is present in the DNS cache records. It may be useful during the examination of the network to determine what software update resources are used, thus discovering what software is installed.

What command is used to determine if the entry is present in DNS cache?

- A. nslookup -fullrecursive update.antivirus.com
- B. dnsnoping --rt update.antivirus.com
- C. nslookup -norecursive update.antivirus.com
- D. dns --snoop update.antivirus.com

**Answer:** C

**NEW QUESTION 44**

- (Exam Topic 1)

An attacker scans a host with the below command. Which three flags are set? (Choose three.)

#nmap -sX host.domain.com

- A. This is ACK sca
- B. ACK flag is set
- C. This is Xmas sca
- D. SYN and ACK flags are set
- E. This is Xmas sca
- F. URG, PUSH and FIN are set
- G. This is SYN sca
- H. SYN flag is set

**Answer:** C

**NEW QUESTION 49**

- (Exam Topic 1)

What is the purpose of a demilitarized zone on a network?

- A. To scan all traffic coming through the DMZ to the internal network
- B. To only provide direct access to the nodes within the DMZ and protect the network behind it
- C. To provide a place to put the honeypot
- D. To contain the network devices you wish to protect

**Answer:** B

**NEW QUESTION 54**

- (Exam Topic 1)

How is the public key distributed in an orderly, controlled fashion so that the users can be sure of the sender's identity?

- A. Hash value
- B. Private key
- C. Digital signature
- D. Digital certificate

**Answer:** D

**NEW QUESTION 56**

- (Exam Topic 1)

Why should the security analyst disable/remove unnecessary ISAPI filters?

- A. To defend against social engineering attacks
- B. To defend against webserver attacks
- C. To defend against jailbreaking
- D. To defend against wireless attacks

**Answer:** B

**NEW QUESTION 59**

- (Exam Topic 1)

A virus that attempts to install itself inside the file it is infecting is called?

- A. Tunneling virus
- B. Cavity virus
- C. Polymorphic virus
- D. Stealth virus

**Answer:** B

**NEW QUESTION 61**

- (Exam Topic 1)

The network team has well-established procedures to follow for creating new rules on the firewall. This includes having approval from a manager prior to implementing any new rules. While reviewing the firewall configuration, you notice a recently implemented rule but cannot locate manager approval for it. What would be a good step to have in the procedures for a situation like this?

- A. Have the network team document the reason why the rule was implemented without prior manager approval.
- B. Monitor all traffic using the firewall rule until a manager can approve it.
- C. Do not roll back the firewall rule as the business may be relying upon it, but try to get manager approval as soon as possible.
- D. Immediately roll back the firewall rule until a manager can approve it

**Answer:** D

**NEW QUESTION 66**

- (Exam Topic 1)

Identify the UDP port that Network Time Protocol (NTP) uses as its primary means of communication?

- A. 123
- B. 161
- C. 69
- D. 113

**Answer:** A

**NEW QUESTION 71**

- (Exam Topic 1)

Which of the following statements is TRUE?

- A. Sniffers operate on Layer 2 of the OSI model
- B. Sniffers operate on Layer 3 of the OSI model
- C. Sniffers operate on both Layer 2 & Layer 3 of the OSI model.
- D. Sniffers operate on the Layer 1 of the OSI model.

**Answer:** A

**NEW QUESTION 75**

- (Exam Topic 1)

Which of the following is an adaptive SQL Injection testing technique used to discover coding errors by inputting massive amounts of random data and observing the changes in the output?

- A. Function Testing
- B. Dynamic Testing
- C. Static Testing
- D. Fuzzing Testing

**Answer:** D

**NEW QUESTION 80**

- (Exam Topic 1)

A pen tester is configuring a Windows laptop for a test. In setting up Wireshark, what driver and library are required to allow the NIC to work in promiscuous mode?

- A. Libpcap
- B. Awinpcap
- C. Winprom
- D. Winpcap



**Answer:** D

**NEW QUESTION 83**

- (Exam Topic 1)

These hackers have limited or no training and know how to use only basic techniques or tools. What kind of hackers are we talking about?

- A. Black-Hat Hackers A
- B. Script Kiddies
- C. White-Hat Hackers
- D. Gray-Hat Hacker

**Answer:** C

**NEW QUESTION 88**

- (Exam Topic 1)

Which of the following options represents a conceptual characteristic of an anomaly-based IDS over a signature-based IDS?

- A. Produces less false positives
- B. Can identify unknown attacks
- C. Requires vendor updates for a new threat
- D. Cannot deal with encrypted network traffic

**Answer:** B

**NEW QUESTION 91**

- (Exam Topic 1)

Cross-site request forgery involves:

- A. A request sent by a malicious user from a browser to a server
- B. Modification of a request by a proxy between client and server
- C. A browser making a request to a server without the user's knowledge
- D. A server making a request to another server without the user's knowledge

**Answer:** C

**NEW QUESTION 93**

- (Exam Topic 1)

Analyst is investigating proxy logs and found out that one of the internal user visited website storing suspicious Java scripts. After opening one of them, he noticed that it is very hard to understand the code and that all codes differ from the typical Java script. What is the name of this technique to hide the code and extend analysis time?

- A. Encryption
- B. Code encoding
- C. Obfuscation
- D. Steganography

**Answer:** A

**NEW QUESTION 94**

- (Exam Topic 1)

During the process of encryption and decryption, what keys are shared? During the process of encryption and decryption, what keys are shared?

- A. Private keys
- B. User passwords
- C. Public keys
- D. Public and private keys

**Answer:** C

**NEW QUESTION 99**

- (Exam Topic 1)

You are a Penetration Tester and are assigned to scan a server. You need to use a scanning technique wherein the TCP Header is split into many packets so that it becomes difficult to detect what the packets are meant for.

Which of the below scanning technique will you use?

- A. ACK flag scanning
- B. TCP Scanning
- C. IP Fragment Scanning
- D. Inverse TCP flag scanning

**Answer:** C

**NEW QUESTION 101**

- (Exam Topic 1)

A hacker named Jack is trying to compromise a bank's computer system. He needs to know the operating

system of that computer to launch further attacks. What process would help him?

- A. Banner Grabbing
- B. IDLE/IPID Scanning
- C. SSDP Scanning
- D. UDP Scanning

**Answer:** A

#### NEW QUESTION 104

- (Exam Topic 1)

In which of the following cryptography attack methods, the attacker makes a series of interactive queries, choosing subsequent plaintexts based on the information from the previous encryptions?

- A. Chosen-plaintext attack
- B. Ciphertext-only attack
- C. Adaptive chosen-plaintext attack
- D. Known-plaintext attack

**Answer:** A

#### NEW QUESTION 107

- (Exam Topic 1)

What type of vulnerability/attack is it when the malicious person forces the user's browser to send an authenticated request to a server?

- A. Cross-site request forgery
- B. Cross-site scripting
- C. Session hijacking
- D. Server side request forgery

**Answer:** A

#### NEW QUESTION 109

- (Exam Topic 1)

Bob finished a C programming course and created a small C application to monitor the network traffic and produce alerts when any origin sends "many" IP packets, based on the average number of packets sent by all origins and using some thresholds.

In concept, the solution developed by Bob is actually:

- A. Just a network monitoring tool
- B. A signature-based IDS
- C. A hybrid IDS
- D. A behavior-based IDS

**Answer:** A

#### NEW QUESTION 113

- (Exam Topic 2)

The precaution of prohibiting employees from bringing personal computing devices into a facility is what type of security control?

- A. Physical
- B. Procedural
- C. Technical
- D. Compliance

**Answer:** B

#### NEW QUESTION 118

- (Exam Topic 2)

On a Linux device, which of the following commands will start the Nessus client in the background so that the Nessus server can be configured?

- A. `nessus +`
- B. `nessus *s`
- C. `nessus &`
- D. `nessus -d`

**Answer:** C

#### NEW QUESTION 121

- (Exam Topic 2)

Which tool would be used to collect wireless packet data?

- A. NetStumbler
- B. John the Ripper
- C. Nessus
- D. Netcat

**Answer:** A



**NEW QUESTION 123**

- (Exam Topic 2)

An attacker has been successfully modifying the purchase price of items purchased on the company's web site. The security administrators verify the web server and Oracle database have not been compromised directly. They have also verified the Intrusion Detection System (IDS) logs and found no attacks that could have caused this. What is the mostly likely way the attacker has been able to modify the purchase price?

- A. By using SQL injection
- B. By changing hidden form values
- C. By using cross site scripting
- D. By utilizing a buffer overflow attack

**Answer:** B

**NEW QUESTION 124**

- (Exam Topic 2)

An organization hires a tester to do a wireless penetration test. Previous reports indicate that the last test did not contain management or control packets in the submitted traces. Which of the following is the most likely reason for lack of management or control packets?

- A. The wireless card was not turned on.
- B. The wrong network card drivers were in use by Wireshark.
- C. On Linux and Mac OS X, only 802.11 headers are received in promiscuous mode.
- D. Certain operating systems and adapters do not collect the management or control packets.

**Answer:** D

**NEW QUESTION 125**

- (Exam Topic 2)

Which of the following is a preventive control?

- A. Smart card authentication
- B. Security policy
- C. Audit trail
- D. Continuity of operations plan

**Answer:** A

**NEW QUESTION 128**

- (Exam Topic 2)

After gaining access to the password hashes used to protect access to a web based application, knowledge of which cryptographic algorithms would be useful to gain access to the application?

- A. SHA1
- B. Diffie-Helman
- C. RSA
- D. AES

**Answer:** A

**NEW QUESTION 132**

- (Exam Topic 2)

Which of the following open source tools would be the best choice to scan a network for potential targets?

- A. NMAP
- B. NIKTO
- C. CAIN
- D. John the Ripper

**Answer:** A

**NEW QUESTION 133**

- (Exam Topic 2)

Which of the following examples best represents a logical or technical control?

- A. Security tokens
- B. Heating and air conditioning
- C. Smoke and fire alarms
- D. Corporate security policy

**Answer:** A

**NEW QUESTION 137**

- (Exam Topic 2)

Which property ensures that a hash function will not produce the same hashed value for two different messages?

- A. Collision resistance
- B. Bit length

- C. Key strength
- D. Entropy

**Answer:** A

#### NEW QUESTION 142

- (Exam Topic 2)

What are the three types of authentication?

- A. Something you: know, remember, prove
- B. Something you: have, know, are
- C. Something you: show, prove, are
- D. Something you: show, have, prove

**Answer:** B

#### NEW QUESTION 144

- (Exam Topic 2)

Which of the following is an application that requires a host application for replication?

- A. Micro
- B. Worm
- C. Trojan
- D. Virus

**Answer:** D

#### Explanation:

Computer viruses infect a variety of different subsystems on their hosts. A computer virus is a malware that, when executed, replicates by reproducing itself or infecting other programs by modifying them. Infecting computer programs can include as well, data files, or the boot sector of the hard drive. When this replication succeeds, the affected areas are then said to be "infected".

References: [https://en.wikipedia.org/wiki/Computer\\_virus](https://en.wikipedia.org/wiki/Computer_virus)

#### NEW QUESTION 147

- (Exam Topic 2)

The network administrator for a company is setting up a website with e-commerce capabilities. Packet sniffing is a concern because credit card information will be sent electronically over the Internet. Customers visiting the site will need to encrypt the data with HTTPS. Which type of certificate is used to encrypt and decrypt the data?

- A. Asymmetric
- B. Confidential
- C. Symmetric
- D. Non-confidential

**Answer:** A

#### NEW QUESTION 148

- (Exam Topic 2)

A tester has been hired to do a web application security test. The tester notices that the site is dynamic and must make use of a back end database.

In order for the tester to see if SQL injection is possible, what is the first character that the tester should use to attempt breaking a valid SQL request?

- A. Semicolon
- B. Single quote
- C. Exclamation mark
- D. Double quote

**Answer:** B

#### NEW QUESTION 153

- (Exam Topic 2)

A security consultant decides to use multiple layers of anti-virus defense, such as end user desktop anti-virus and E-mail gateway. This approach can be used to mitigate which kind of attack?

- A. Forensic attack
- B. ARP spoofing attack
- C. Social engineering attack
- D. Scanning attack

**Answer:** C

#### NEW QUESTION 155

- (Exam Topic 2)

WPA2 uses AES for wireless data encryption at which of the following encryption levels?

- A. 64 bit and CCMP
- B. 128 bit and CRC
- C. 128 bit and CCMP

D. 128 bit and TKIP

**Answer:** C

**NEW QUESTION 159**

- (Exam Topic 2)

Which type of access control is used on a router or firewall to limit network activity?

- A. Mandatory
- B. Discretionary
- C. Rule-based
- D. Role-based

**Answer:** C

**NEW QUESTION 161**

- (Exam Topic 2)

A pentester gains access to a Windows application server and needs to determine the settings of the built-in Windows firewall. Which command would be used?

- A. Netsh firewall show config
- B. WMIC firewall show config
- C. Net firewall show config
- D. Ipconfig firewall show config

**Answer:** A

**NEW QUESTION 165**

- (Exam Topic 2)

A person approaches a network administrator and wants advice on how to send encrypted email from home. The end user does not want to have to pay for any license fees or manage server services. Which of the following is the most secure encryption protocol that the network administrator should recommend?

- A. IP Security (IPSEC)
- B. Multipurpose Internet Mail Extensions (MIME)
- C. Pretty Good Privacy (PGP)
- D. Hyper Text Transfer Protocol with Secure Socket Layer (HTTPS)

**Answer:** C

**NEW QUESTION 167**

- (Exam Topic 2)

A developer for a company is tasked with creating a program that will allow customers to update their billing and shipping information. The billing address field used is limited to 50 characters. What pseudo code would the developer use to avoid a buffer overflow attack on the billing address field?

- A. if (billingAddress = 50) {update field} else exit
- B. if (billingAddress != 50) {update field} else exit
- C. if (billingAddress >= 50) {update field} else exit
- D. if (billingAddress <= 50) {update field} else exit

**Answer:** D

**NEW QUESTION 168**

- (Exam Topic 2)

Which of the following is a hashing algorithm?

- A. MD5
- B. PGP
- C. DES
- D. ROT13

**Answer:** A

**NEW QUESTION 173**

- (Exam Topic 2)

Which protocol and port number might be needed in order to send log messages to a log analysis tool that resides behind a firewall?

- A. UDP 123
- B. UDP 541
- C. UDP 514
- D. UDP 415

**Answer:** C

**NEW QUESTION 176**

- (Exam Topic 2)

Low humidity in a data center can cause which of the following problems?

- A. Heat
- B. Corrosion
- C. Static electricity
- D. Airborne contamination

**Answer:** C

**NEW QUESTION 180**

- (Exam Topic 2)

At a Windows Server command prompt, which command could be used to list the running services?

- A. Sc query type= running
- B. Sc query \\servername
- C. Sc query
- D. Sc config

**Answer:** C

**NEW QUESTION 184**

- (Exam Topic 2)

What is the main disadvantage of the scripting languages as opposed to compiled programming languages?

- A. Scripting languages are hard to learn.
- B. Scripting languages are not object-oriented.
- C. Scripting languages cannot be used to create graphical user interfaces.
- D. Scripting languages are slower because they require an interpreter to run the code.

**Answer:** D

**NEW QUESTION 188**

- (Exam Topic 2)

While conducting a penetration test, the tester determines that there is a firewall between the tester's machine and the target machine. The firewall is only monitoring TCP handshaking of packets at the session layer of the OSI model. Which type of firewall is the tester trying to traverse?

- A. Packet filtering firewall
- B. Application-level firewall
- C. Circuit-level gateway firewall
- D. Stateful multilayer inspection firewall

**Answer:** C

**NEW QUESTION 193**

- (Exam Topic 2)

A botnet can be managed through which of the following?

- A. IRC
- B. E-Mail
- C. Linkedin and Facebook
- D. A vulnerable FTP server

**Answer:** A

**NEW QUESTION 197**

- (Exam Topic 2)

The use of alert thresholding in an IDS can reduce the volume of repeated alerts, but introduces which of the following vulnerabilities?

- A. An attacker, working slowly enough, can evade detection by the IDS.
- B. Network packets are dropped if the volume exceeds the threshold.
- C. Thresholding interferes with the IDS' ability to reassemble fragmented packets.
- D. The IDS will not distinguish among packets originating from different sources.

**Answer:** A

**NEW QUESTION 200**

- (Exam Topic 2)

Which set of access control solutions implements two-factor authentication?

- A. USB token and PIN
- B. Fingerprint scanner and retina scanner
- C. Password and PIN
- D. Account and password

**Answer:** A

**NEW QUESTION 205**

- (Exam Topic 2)

A consultant is hired to do physical penetration testing at a large financial company. In the first day of his assessment, the consultant goes to the company's building dressed like an electrician and waits in the lobby for an employee to pass through the main access gate, then the consultant follows the employee behind to get into the restricted area. Which type of attack did the consultant perform?

- A. Man trap
- B. Tailgating
- C. Shoulder surfing
- D. Social engineering

**Answer: B**

#### NEW QUESTION 207

- (Exam Topic 2)

When an alert rule is matched in a network-based IDS like snort, the IDS does which of the following?

- A. Drops the packet and moves on to the next one
- B. Continues to evaluate the packet until all rules are checked
- C. Stops checking rules, sends an alert, and lets the packet continue
- D. Blocks the connection with the source IP address in the packet

**Answer: B**

#### NEW QUESTION 208

- (Exam Topic 2)

A hacker is attempting to use nslookup to query Domain Name Service (DNS). The hacker uses the nslookup interactive mode for the search. Which command should the hacker type into the command shell to request the appropriate records?

- A. Locate type=ns
- B. Request type=ns
- C. Set type=ns
- D. Transfer type=ns

**Answer: C**

#### NEW QUESTION 213

- (Exam Topic 2)

While checking the settings on the internet browser, a technician finds that the proxy server settings have been checked and a computer is trying to use itself as a proxy server. What specific octet within the subnet does the technician see?

- A. 10.10.10.10
- B. 127.0.0.1
- C. 192.168.1.1
- D. 192.168.168.168

**Answer: B**

#### NEW QUESTION 218

- (Exam Topic 2)

Which of the following is used to indicate a single-line comment in structured query language (SQL)?

- A. --
- B. ||
- C. %%
- D. "

**Answer: A**

#### NEW QUESTION 222

- (Exam Topic 2)

What technique is used to perform a Connection Stream Parameter Pollution (CSPP) attack?

- A. Injecting parameters into a connection string using semicolons as a separator
- B. Inserting malicious Javascript code into input parameters
- C. Setting a user's session identifier (SID) to an explicit known value
- D. Adding multiple parameters with the same name in HTTP requests

**Answer: A**

#### NEW QUESTION 225

- (Exam Topic 2)

In the software security development life cycle process, threat modeling occurs in which phase?

- A. Design
- B. Requirements
- C. Verification
- D. Implementation

**Answer:** A

**NEW QUESTION 226**

- (Exam Topic 2)

A company has publicly hosted web applications and an internal Intranet protected by a firewall. Which technique will help protect against enumeration?

- A. Reject all invalid email received via SMTP.
- B. Allow full DNS zone transfers.
- C. Remove A records for internal hosts.
- D. Enable null session pipes.

**Answer:** C

**NEW QUESTION 227**

- (Exam Topic 2)

If the final set of security controls does not eliminate all risk in a system, what could be done next?

- A. Continue to apply controls until there is zero risk.
- B. Ignore any remaining risk.
- C. If the residual risk is low enough, it can be accepted.
- D. Remove current controls since they are not completely effective.

**Answer:** C

**NEW QUESTION 228**

- (Exam Topic 2)

A hacker is attempting to see which ports have been left open on a network. Which NMAP switch would the hacker use?

- A. -sO
- B. -sP
- C. -sS
- D. -sU

**Answer:** A

**NEW QUESTION 230**

- (Exam Topic 2)

A company is using Windows Server 2003 for its Active Directory (AD). What is the most efficient way to crack the passwords for the AD users?

- A. Perform a dictionary attack.
- B. Perform a brute force attack.
- C. Perform an attack with a rainbow table.
- D. Perform a hybrid attack.

**Answer:** C

**NEW QUESTION 234**

- (Exam Topic 2)

What is the best defense against privilege escalation vulnerability?

- A. Patch systems regularly and upgrade interactive login privileges at the system administrator level.
- B. Run administrator and applications on least privileges and use a content registry for tracking.
- C. Run services with least privileged accounts and implement multi-factor authentication and authorization.
- D. Review user roles and administrator privileges for maximum utilization of automation services.

**Answer:** C

**NEW QUESTION 239**

- (Exam Topic 2)

In order to show improvement of security over time, what must be developed?

- A. Reports
- B. Testing tools
- C. Metrics
- D. Taxonomy of vulnerabilities

**Answer:** C

**Explanation:**

Today, management demands metrics to get a clearer view of security.

Metrics that measure participation, effectiveness, and window of exposure, however, offer information the organization can use to make plans and improve programs.

References:

<http://www.infoworld.com/article/2974642/security/4-security-metrics-that-matter.html>



**NEW QUESTION 241**

- (Exam Topic 2)

How is sniffing broadly categorized?

- A. Active and passive
- B. Broadcast and unicast
- C. Unmanaged and managed
- D. Filtered and unfiltered

**Answer:** A

**NEW QUESTION 242**

- (Exam Topic 2)

Fingerprinting VPN firewalls is possible with which of the following tools?

- A. Angry IP
- B. Nikto
- C. Ike-scan
- D. Arp-scan

**Answer:** C

**NEW QUESTION 245**

- (Exam Topic 2)

What type of OS fingerprinting technique sends specially crafted packets to the remote OS and analyzes the received response?

- A. Passive
- B. Reflective
- C. Active
- D. Distributive

**Answer:** C

**NEW QUESTION 247**

- (Exam Topic 2)

Which of the following is a strong post designed to stop a car?

- A. Gate
- B. Fence
- C. Bollard
- D. Reinforced rebar

**Answer:** C

**NEW QUESTION 251**

- (Exam Topic 2)

To send a PGP encrypted message, which piece of information from the recipient must the sender have before encrypting the message?

- A. Recipient's private key
- B. Recipient's public key
- C. Master encryption key
- D. Sender's public key

**Answer:** B

**NEW QUESTION 253**

- (Exam Topic 2)

A hacker is attempting to see which IP addresses are currently active on a network. Which NMAP switch would the hacker use?

- A. -sO
- B. -sP
- C. -sS
- D. -sU

**Answer:** B

**NEW QUESTION 254**

- (Exam Topic 2)

Which of the following does proper basic configuration of snort as a network intrusion detection system require?

- A. Limit the packets captured to the snort configuration file.
- B. Capture every packet on the network segment.
- C. Limit the packets captured to a single segment.
- D. Limit the packets captured to the /var/log/snort directory.

**Answer:**

A

**NEW QUESTION 255**

- (Exam Topic 2)

During a penetration test, the tester conducts an ACK scan using NMAP against the external interface of the DMZ firewall. NMAP reports that port 80 is unfiltered. Based on this response, which type of packet inspection is the firewall conducting?

- A. Host
- B. Stateful
- C. Stateless
- D. Application

**Answer: C**

**NEW QUESTION 258**

- (Exam Topic 2)

John the Ripper is a technical assessment tool used to test the weakness of which of the following?

- A. Usernames
- B. File permissions
- C. Firewall rulesets
- D. Passwords

**Answer: D**

**NEW QUESTION 261**

- (Exam Topic 2)

Bluetooth uses which digital modulation technique to exchange information between paired devices?

- A. PSK (phase-shift keying)
- B. FSK (frequency-shift keying)
- C. ASK (amplitude-shift keying)
- D. QAM (quadrature amplitude modulation)

**Answer: A**

**Explanation:**

Phase shift keying is the form of Bluetooth modulation used to enable the higher data rates achievable with Bluetooth 2 EDR (Enhanced Data Rate). Two forms of PSK are used: /4 DQPSK, and 8DPSK.

References:

<http://www.radio-electronics.com/info/wireless/bluetooth/radio-interface-modulation.php>

**NEW QUESTION 263**

- (Exam Topic 2)

Which command lets a tester enumerate alive systems in a class C network via ICMP using native Windows tools?

- A. ping 192.168.2.
- B. ping 192.168.2.255
- C. for %V in (1 1 255) do PING 192.168.2.%V
- D. for /L %V in (1 1 254) do PING -n 1 192.168.2.%V | FIND /I "Reply"

**Answer: D**

**NEW QUESTION 266**

- (Exam Topic 2)

Which command line switch would be used in NMAP to perform operating system detection?

- A. -OS
- B. -sO
- C. -sP
- D. -O

**Answer: D**

**NEW QUESTION 271**

- (Exam Topic 2)

Which of the following cryptography attack methods is usually performed without the use of a computer?

- A. Ciphertext-only attack
- B. Chosen key attack
- C. Rubber hose attack
- D. Rainbow table attack

**Answer: C**

**NEW QUESTION 272**

- (Exam Topic 2)

Windows file servers commonly hold sensitive files, databases, passwords and more. Which of the following choices would be a common vulnerability that usually exposes them?

- A. Cross-site scripting
- B. SQL injection
- C. Missing patches
- D. CRLF injection

**Answer:** C

#### NEW QUESTION 276

- (Exam Topic 2)

Passive reconnaissance involves collecting information through which of the following?

- A. Social engineering
- B. Network traffic sniffing
- C. Man in the middle attacks
- D. Publicly accessible sources

**Answer:** D

#### NEW QUESTION 278

- (Exam Topic 2)

Which of the following is a detective control?

- A. Smart card authentication
- B. Security policy
- C. Audit trail
- D. Continuity of operations plan

**Answer:** C

#### NEW QUESTION 279

- (Exam Topic 2)

Which of the following is a component of a risk assessment?

- A. Physical security
- B. Administrative safeguards
- C. DMZ
- D. Logical interface

**Answer:** B

#### NEW QUESTION 282

- (Exam Topic 2)

Pentest results indicate that voice over IP traffic is traversing a network. Which of the following tools will decode a packet capture and extract the voice conversations?

- A. Cain
- B. John the Ripper
- C. Nikto
- D. Hping

**Answer:** A

#### NEW QUESTION 286

- (Exam Topic 2)

A security engineer is attempting to map a company's internal network. The engineer enters in the following NMAP command:

NMAP -n -sS -P0 -p 80 \*\*\*.\*\*\*.\*\*.\* What type of scan is this?

- A. Quick scan
- B. Intense scan
- C. Stealth scan
- D. Comprehensive scan

**Answer:** C

#### NEW QUESTION 289

- (Exam Topic 2)

A recently hired network security associate at a local bank was given the responsibility to perform daily scans of the internal network to look for unauthorized devices. The employee decides to write a script that will scan the network for unauthorized devices every morning at 5:00 am.

Which of the following programming languages would most likely be used?

- A. PHP
- B. C#
- C. Python

D. ASP.NET

**Answer:** C

#### NEW QUESTION 291

- (Exam Topic 2)

During a penetration test, a tester finds that the web application being analyzed is vulnerable to Cross Site Scripting (XSS). Which of the following conditions must be met to exploit this vulnerability?

- A. The web application does not have the secure flag set.
- B. The session cookies do not have the HttpOnly flag set.
- C. The victim user should not have an endpoint security solution.
- D. The victim's browser must have ActiveX technology enabled.

**Answer:** B

#### NEW QUESTION 294

- (Exam Topic 2)

Which of the following items of a computer system will an anti-virus program scan for viruses?

- A. Boot Sector
- B. Deleted Files
- C. Windows Process List
- D. Password Protected Files

**Answer:** A

#### NEW QUESTION 295

- (Exam Topic 2)

Which of the following is an example of two factor authentication?

- A. PIN Number and Birth Date
- B. Username and Password
- C. Digital Certificate and Hardware Token
- D. Fingerprint and Smartcard ID

**Answer:** D

#### NEW QUESTION 299

- (Exam Topic 2)

Which statement is TRUE regarding network firewalls preventing Web Application attacks?

- A. Network firewalls can prevent attacks because they can detect malicious HTTP traffic.
- B. Network firewalls cannot prevent attacks because ports 80 and 443 must be opened.
- C. Network firewalls can prevent attacks if they are properly configured.
- D. Network firewalls cannot prevent attacks because they are too complex to configure.

**Answer:** B

#### Explanation:

Network layer firewalls, also called packet filters, operate at a relatively low level of the TCP/IP protocol stack, not allowing packets to pass through the firewall unless they match the established rule set. To prevent Web Application attacks an Application layer firewall would be required.

References: [https://en.wikipedia.org/wiki/Firewall\\_\(computing\)#Network\\_layer\\_or\\_packet\\_filters](https://en.wikipedia.org/wiki/Firewall_(computing)#Network_layer_or_packet_filters)

#### NEW QUESTION 303

- (Exam Topic 2)

A bank stores and processes sensitive privacy information related to home loans. However, auditing has never been enabled on the system. What is the first step that the bank should take before enabling the audit feature?

- A. Perform a vulnerability scan of the system.
- B. Determine the impact of enabling the audit feature.
- C. Perform a cost/benefit analysis of the audit feature.
- D. Allocate funds for staffing of audit log review.

**Answer:** B

#### NEW QUESTION 304

- (Exam Topic 2)

Which of the following programs is usually targeted at Microsoft Office products?

- A. Polymorphic virus
- B. Multipart virus
- C. Macro virus
- D. Stealth virus

**Answer:** C

**Explanation:**

A macro virus is a virus that is written in a macro language: a programming language which is embedded inside a software application (e.g., word processors and spreadsheet applications). Some applications, such as Microsoft Office, allow macro programs to be embedded in documents such that the macros are run automatically when the document is opened, and this provides a distinct mechanism by which malicious computer instructions can spread.

References: [https://en.wikipedia.org/wiki/Macro\\_virus](https://en.wikipedia.org/wiki/Macro_virus)

**NEW QUESTION 305**

- (Exam Topic 2)

Which of the following is a client-server tool utilized to evade firewall inspection?

- A. tcp-over-dns
- B. kismet
- C. nikto
- D. hping

**Answer:** A

**NEW QUESTION 310**

- (Exam Topic 2)

Which of the following viruses tries to hide from anti-virus programs by actively altering and corrupting the chosen service call interruptions when they are being run?

- A. Cavity virus
- B. Polymorphic virus
- C. Tunneling virus
- D. Stealth virus

**Answer:** D

**NEW QUESTION 311**

- (Exam Topic 2)

What information should an IT system analysis provide to the risk assessor?

- A. Management buy-in
- B. Threat statement
- C. Security architecture
- D. Impact analysis

**Answer:** C

**NEW QUESTION 316**

- (Exam Topic 2)

Which of the following is a hardware requirement that either an IDS/IPS system or a proxy server must have in order to properly function?

- A. Fast processor to help with network traffic analysis
- B. They must be dual-homed
- C. Similar RAM requirements
- D. Fast network interface cards

**Answer:** B

**Explanation:**

Dual-homed or dual-homing can refer to either an Ethernet device that has more than one network interface, for redundancy purposes, or in firewall technology, dual-homed is one of the firewall architectures, such as an IDS/IPS system, for implementing preventive security.

References: <https://en.wikipedia.org/wiki/Dual-homed>

**NEW QUESTION 317**

- (Exam Topic 2)

Which of the following settings enables Nessus to detect when it is sending too many packets and the network pipe is approaching capacity?

- A. Netstat WMI Scan
- B. Silent Dependencies
- C. Consider unscanned ports as closed
- D. Reduce parallel connections on congestion

**Answer:** D

**NEW QUESTION 320**

- (Exam Topic 2)

A security policy will be more accepted by employees if it is consistent and has the support of

- A. coworkers.
- B. executive management.
- C. the security officer.
- D. a supervisor.

**Answer:**

B

**NEW QUESTION 321**

- (Exam Topic 2)

What is the main advantage that a network-based IDS/IPS system has over a host-based solution?

- A. They do not use host system resources.
- B. They are placed at the boundary, allowing them to inspect all traffic.
- C. They are easier to install and configure.
- D. They will not interfere with user interfaces.

**Answer:** A

**NEW QUESTION 325**

- (Exam Topic 2)

Which of the following identifies the three modes in which Snort can be configured to run?

- A. Sniffer, Packet Logger, and Network Intrusion Detection System
- B. Sniffer, Network Intrusion Detection System, and Host Intrusion Detection System
- C. Sniffer, Host Intrusion Prevention System, and Network Intrusion Prevention System
- D. Sniffer, Packet Logger, and Host Intrusion Prevention System

**Answer:** A

**NEW QUESTION 328**

- (Exam Topic 2)

When creating a security program, which approach would be used if senior management is supporting and enforcing the security policy?

- A. A bottom-up approach
- B. A top-down approach
- C. A senior creation approach
- D. An IT assurance approach

**Answer:** B

**NEW QUESTION 333**

- (Exam Topic 2)

A covert channel is a channel that

- A. transfers information over, within a computer system, or network that is outside of the security policy.
- B. transfers information over, within a computer system, or network that is within the security policy.
- C. transfers information via a communication path within a computer system, or network for transfer of data.
- D. transfers information over, within a computer system, or network that is encrypted.

**Answer:** A

**NEW QUESTION 335**

- (Exam Topic 2)

What statement is true regarding LM hashes?

- A. LM hashes consist in 48 hexadecimal characters.
- B. LM hashes are based on AES128 cryptographic standard.
- C. Uppercase characters in the password are converted to lowercase.
- D. LM hashes are not generated when the password length exceeds 15 characters.

**Answer:** D

**NEW QUESTION 339**

- (Exam Topic 3)

Which of the following describes a component of Public Key Infrastructure (PKI) where a copy of a private key is stored to provide third-party access and to facilitate recovery operations?

- A. Key registry
- B. Recovery agent
- C. Directory
- D. Key escrow

**Answer:** D

**NEW QUESTION 344**

- (Exam Topic 3)

An ethical hacker for a large security research firm performs penetration tests, vulnerability tests, and risk assessments. A friend recently started a company and asks the hacker to perform a penetration test and vulnerability assessment of the new company as a favor. What should the hacker's next step be before starting work on this job?

- A. Start by foot printing the network and mapping out a plan of attack.



- B. Ask the employer for authorization to perform the work outside the company.
- C. Begin the reconnaissance phase with passive information gathering and then move into active information gathering.
- D. Use social engineering techniques on the friend's employees to help identify areas that may be susceptible to attack.

**Answer:** B

#### **NEW QUESTION 348**

- (Exam Topic 3)

A computer technician is using a new version of a word processing software package when it is discovered that a special sequence of characters causes the entire computer to crash. The technician researches the bug and discovers that no one else experienced the problem. What is the appropriate next step?

- A. Ignore the problem completely and let someone else deal with it.
- B. Create a document that will crash the computer when opened and send it to friends.
- C. Find an underground bulletin board and attempt to sell the bug to the highest bidder.
- D. Notify the vendor of the bug and do not disclose it until the vendor gets a chance to issue a fix.

**Answer:** D

#### **NEW QUESTION 350**

- (Exam Topic 3)

If an e-commerce site was put into a live environment and the programmers failed to remove the secret entry point that was used during the application development, what is this secret entry point known as?

- A. SDLC process
- B. Honey pot
- C. SQL injection
- D. Trap door

**Answer:** D

#### **NEW QUESTION 354**

- (Exam Topic 3)

The Open Web Application Security Project (OWASP) testing methodology addresses the need to secure web applications by providing which one of the following services?

- A. An extensible security framework named COBIT
- B. A list of flaws and how to fix them
- C. Web application patches
- D. A security certification for hardened web applications

**Answer:** B

#### **NEW QUESTION 359**

- (Exam Topic 3)

Which of the following is an advantage of utilizing security testing methodologies to conduct a security audit?

- A. They provide a repeatable framework.
- B. Anyone can run the command line scripts.
- C. They are available at low cost.
- D. They are subject to government regulation.

**Answer:** A

#### **NEW QUESTION 363**

- (Exam Topic 3)

To reduce the attack surface of a system, administrators should perform which of the following processes to remove unnecessary software, services, and insecure configuration settings?

- A. Harvesting
- B. Windowing
- C. Hardening
- D. Stealthing

**Answer:** C

#### **NEW QUESTION 365**

- (Exam Topic 3)

Which of the following defines the role of a root Certificate Authority (CA) in a Public Key Infrastructure (PKI)?

- A. The root CA is the recovery agent used to encrypt data when a user's certificate is lost.
- B. The root CA stores the user's hash value for safekeeping.
- C. The CA is the trusted root that issues certificates.
- D. The root CA is used to encrypt email messages to prevent unintended disclosure of data.

**Answer:** C

**NEW QUESTION 366**

- (Exam Topic 3)

A consultant has been hired by the V.P. of a large financial organization to assess the company's security posture. During the security testing, the consultant comes across child pornography on the V.P.'s computer. What is the consultant's obligation to the financial organization?

- A. Say nothing and continue with the security testing.
- B. Stop work immediately and contact the authorities.
- C. Delete the pornography, say nothing, and continue security testing.
- D. Bring the discovery to the financial organization's human resource department.

**Answer:** B

**NEW QUESTION 370**

- (Exam Topic 3)

Which of the following levels of algorithms does Public Key Infrastructure (PKI) use?

- A. RSA 1024 bit strength
- B. AES 1024 bit strength
- C. RSA 512 bit strength
- D. AES 512 bit strength

**Answer:** A

**NEW QUESTION 371**

- (Exam Topic 3)

An attacker has captured a target file that is encrypted with public key cryptography. Which of the attacks below is likely to be used to crack the target file?

- A. Timing attack
- B. Replay attack
- C. Memory trade-off attack
- D. Chosen plain-text attack

**Answer:** D

**NEW QUESTION 376**

- (Exam Topic 3)

Which initial procedure should an ethical hacker perform after being brought into an organization?

- A. Begin security testing.
- B. Turn over deliverables.
- C. Sign a formal contract with non-disclosure.
- D. Assess what the organization is trying to protect.

**Answer:** C

**NEW QUESTION 380**

- (Exam Topic 3)

Which of the following is a primary service of the U.S. Computer Security Incident Response Team (CSIRT)?

- A. CSIRT provides an incident response service to enable a reliable and trusted single point of contact for reporting computer security incidents worldwide.
- B. CSIRT provides a computer security surveillance service to supply a government with important intelligence information on individuals travelling abroad.
- C. CSIRT provides a penetration testing service to support exception reporting on incidents worldwide by individuals and multi-national corporations.
- D. CSIRT provides a vulnerability assessment service to assist law enforcement agencies with profiling an individual's property or company's asset.

**Answer:** A

**NEW QUESTION 381**

- (Exam Topic 3)

While testing the company's web applications, a tester attempts to insert the following test script into the search area on the company's web site:

```
<script>alert(" Testing Testing Testing ")</script>
```

Afterwards, when the tester presses the search button, a pop-up box appears on the screen with the text: "Testing Testing Testing". Which vulnerability has been detected in the web application?

- A. Buffer overflow
- B. Cross-site request forgery
- C. Distributed denial of service
- D. Cross-site scripting

**Answer:** D

**NEW QUESTION 385**

- (Exam Topic 3)

A technician is resolving an issue where a computer is unable to connect to the Internet using a wireless access point. The computer is able to transfer files locally to other machines, but cannot successfully reach the Internet. When the technician examines the IP address and default gateway they are both on the 192.168.1.0/24. Which of the following has occurred?

- A. The gateway is not routing to a public IP address.

- B. The computer is using an invalid IP address.
- C. The gateway and the computer are not on the same network.
- D. The computer is not using a private IP address.

**Answer:** A

**NEW QUESTION 390**

- (Exam Topic 3)

Which of the following ensures that updates to policies, procedures, and configurations are made in a controlled and documented fashion?

- A. Regulatory compliance
- B. Peer review
- C. Change management
- D. Penetration testing

**Answer:** C

**NEW QUESTION 394**

- (Exam Topic 3)

Which of the following is optimized for confidential communications, such as bidirectional voice and video?

- A. RC4
- B. RC5
- C. MD4
- D. MD5

**Answer:** A

**NEW QUESTION 397**

- (Exam Topic 3)

Which of the following network attacks takes advantage of weaknesses in the fragment reassembly functionality of the TCP/IP protocol stack?

- A. Teardrop
- B. SYN flood
- C. Smurf attack
- D. Ping of death

**Answer:** A

**NEW QUESTION 399**

- (Exam Topic 3)

Which Open Web Application Security Project (OWASP) implements a web application full of known vulnerabilities?

- A. WebBugs
- B. WebGoat
- C. VULN\_HTML
- D. WebScarab

**Answer:** B

**NEW QUESTION 400**

- (Exam Topic 3)

How do employers protect assets with security policies pertaining to employee surveillance activities?

- A. Employers promote monitoring activities of employees as long as the employees demonstrate trustworthiness.
- B. Employers use informal verbal communication channels to explain employee monitoring activities to employees.
- C. Employers use network surveillance to monitor employee email traffic, network access, and to record employee keystrokes.
- D. Employers provide employees written statements that clearly discuss the boundaries of monitoring activities and consequences.

**Answer:** D

**NEW QUESTION 402**

- (Exam Topic 3)

An attacker sniffs encrypted traffic from the network and is subsequently able to decrypt it. The attacker can now use which cryptanalytic technique to attempt to discover the encryption key?

- A. Birthday attack
- B. Plaintext attack
- C. Meet in the middle attack
- D. Chosen ciphertext attack

**Answer:** D

**NEW QUESTION 406**

- (Exam Topic 3)

Which statement best describes a server type under an N-tier architecture?

- A. A group of servers at a specific layer
- B. A single server with a specific role
- C. A group of servers with a unique role
- D. A single server at a specific layer

**Answer:** C

**NEW QUESTION 408**

- (Exam Topic 3)

International Organization for Standardization (ISO) standard 27002 provides guidance for compliance by outlining

- A. guidelines and practices for security controls.
- B. financial soundness and business viability metrics.
- C. standard best practice for configuration management.
- D. contract agreement writing standards.

**Answer:** A

**NEW QUESTION 410**

- (Exam Topic 3)

What are the three types of compliance that the Open Source Security Testing Methodology Manual (OSSTMM) recognizes?

- A. Legal, performance, audit
- B. Audit, standards based, regulatory
- C. Contractual, regulatory, industry
- D. Legislative, contractual, standards based

**Answer:** D

**NEW QUESTION 415**

- (Exam Topic 3)

Which of the following can take an arbitrary length of input and produce a message digest output of 160 bit?

- A. SHA-1
- B. MD5
- C. HAVAL
- D. MD4

**Answer:** A

**NEW QUESTION 416**

- (Exam Topic 3)

Advanced encryption standard is an algorithm used for which of the following?

- A. Data integrity
- B. Key discovery
- C. Bulk data encryption
- D. Key recovery

**Answer:** C

**NEW QUESTION 417**

- (Exam Topic 3)

A certified ethical hacker (CEH) completed a penetration test of the main headquarters of a company almost two months ago, but has yet to get paid. The customer is suffering from financial problems, and the CEH is worried that the company will go out of business and end up not paying. What actions should the CEH take?

- A. Threaten to publish the penetration test results if not paid.
- B. Follow proper legal procedures against the company to request payment.
- C. Tell other customers of the financial problems with payments from this company.
- D. Exploit some of the vulnerabilities found on the company webserver to deface it.

**Answer:** B

**NEW QUESTION 422**

- (Exam Topic 3)

Which of the following tools would be the best choice for achieving compliance with PCI Requirement 11?

- A. Truecrypt
- B. Sub7
- C. Nessus
- D. Clamwin

**Answer:** C

**NEW QUESTION 427**

- (Exam Topic 3)

Which of the following is an example of IP spoofing?

- A. SQL injections
- B. Man-in-the-middle
- C. Cross-site scripting
- D. ARP poisoning

**Answer:** B

**NEW QUESTION 431**

- (Exam Topic 3)

Which cipher encrypts the plain text digit (bit or byte) one by one?

- A. Classical cipher
- B. Block cipher
- C. Modern cipher
- D. Stream cipher

**Answer:** D

**NEW QUESTION 432**

- (Exam Topic 4)

This international organization regulates billions of transactions daily and provides security guidelines to protect personally identifiable information (PII). These security controls provide a baseline and prevent low-level hackers sometimes known as script kiddies from causing a data breach.

Which of the following organizations is being described?

- A. Payment Card Industry (PCI)
- B. Center for Disease Control (CDC)
- C. Institute of Electrical and Electronics Engineers (IEEE)
- D. International Security Industry Organization (ISIO)

**Answer:** A

**Explanation:**

The Payment Card Industry Data Security Standard (PCI DSS) is a proprietary information security standard for organizations that handle branded credit cards from the major card schemes including Visa, MasterCard, American Express, Discover, and JCB. The PCI DSS standards are very explicit about the requirements for the back end storage and access of PII (personally identifiable information).

References: [https://en.wikipedia.org/wiki/Payment\\_Card\\_Industry\\_Data\\_Security\\_Standard](https://en.wikipedia.org/wiki/Payment_Card_Industry_Data_Security_Standard)

**NEW QUESTION 437**

- (Exam Topic 4)

Which of the following is the least-likely physical characteristic to be used in biometric control that supports a large company?

- A. Height and Weight
- B. Voice
- C. Fingerprints
- D. Iris patterns

**Answer:** A

**Explanation:**

There are two main types of biometric identifiers:

Examples of physiological characteristics used for biometric authentication include fingerprints; DNA; face, hand, retina or ear features; and odor. Behavioral characteristics are related to the pattern of the behavior of a person, such as typing rhythm, gait, gestures and voice.

References:

<http://searchsecurity.techtarget.com/definition/biometrics>

**NEW QUESTION 438**

- (Exam Topic 4)

You are performing information gathering for an important penetration test. You have found pdf, doc, and images in your objective. You decide to extract metadata from these files and analyze it.

What tool will help you with the task?

- A. Metagoofil
- B. Armitage
- C. Dimitry
- D. cdpsnarf

**Answer:** A

**Explanation:**

Metagoofil is an information gathering tool designed for extracting metadata of public documents (pdf,doc,xls,ppt,docx,pptx,xlsx) belonging to a target company.

Metagoofil will perform a search in Google to identify and download the documents to local disk and then will extract the metadata with different libraries like Hachoir, PdfMiner? and others. With the results it will generate a report with usernames, software versions and servers or machine names that will help

Penetration testers in the information gathering phase.

References:

<http://www.edge-security.com/metagoofil.php>

**NEW QUESTION 441**

- (Exam Topic 4)

Which of the following is a component of a risk assessment?

- A. Administrative safeguards
- B. Physical security
- C. DMZ
- D. Logical interface

**Answer:** A

**Explanation:**

Risk assessment include:

References: [https://en.wikipedia.org/wiki/IT\\_risk\\_management#Risk\\_assessment](https://en.wikipedia.org/wiki/IT_risk_management#Risk_assessment)

**NEW QUESTION 446**

- (Exam Topic 4)

You have successfully gained access to your client's internal network and successfully comprised a Linux server which is part of the internal IP network. You want to know which Microsoft Windows workstations have file sharing enabled.

Which port would you see listening on these Windows machines in the network?

- A. 445
- B. 3389
- C. 161
- D. 1433

**Answer:** A

**Explanation:**

The following ports are associated with file sharing and server message block (SMB) communications: References: <https://support.microsoft.com/en-us/kb/298804>

**NEW QUESTION 448**

- (Exam Topic 4)

You have successfully gained access to a linux server and would like to ensure that the succeeding outgoing traffic from this server will not be caught by a Network Based Intrusion Detection Systems (NIDS).

What is the best way to evade the NIDS?

- A. Encryption
- B. Protocol Isolation
- C. Alternate Data Streams
- D. Out of band signalling

**Answer:** A

**Explanation:**

When the NIDS encounters encrypted traffic, the only analysis it can perform is packet level analysis, since the application layer contents are inaccessible. Given that exploits against today's networks are primarily targeted against network services (application layer entities), packet level analysis ends up doing very little to protect our core business assets.

References:

<http://www.techrepublic.com/article/avoid-these-five-common-ids-implementation-errors/>

**NEW QUESTION 452**

- (Exam Topic 4)

A common cryptographical tool is the use of XOR. XOR the following binary values:

10110001  
00111010

- A. 10001011
- B. 11011000
- C. 10011101
- D. 10111100

**Answer:** A

**Explanation:**

The XOR gate is a digital logic gate that implements an exclusive or; that is, a true output (1/HIGH) results if one, and only one, of the inputs to the gate is true. If both inputs are false (0/LOW) or both are true, a false output results. XOR represents the inequality function, i.e., the output is true if the inputs are not alike otherwise the output is false. A way to remember XOR is "one or the other but not both".

References: [https://en.wikipedia.org/wiki/XOR\\_gate](https://en.wikipedia.org/wiki/XOR_gate)

**NEW QUESTION 454**

- (Exam Topic 4)

How does the Address Resolution Protocol (ARP) work?

- A. It sends a request packet to all the network elements, asking for the MAC address from a specific IP.
- B. It sends a reply packet to all the network elements, asking for the MAC address from a specific IP.
- C. It sends a reply packet for a specific IP, asking for the MAC address.
- D. It sends a request packet to all the network elements, asking for the domain name from a specific IP.



**Answer:** A

**Explanation:**

When an incoming packet destined for a host machine on a particular local area network arrives at a gateway, the gateway asks the ARP program to find a physical host or MAC address that matches the IP address. The ARP program looks in the ARP cache and, if it finds the address, provides it so that the packet can be converted to the right packet length and format and sent to the machine. If no entry is found for the IP address, ARP broadcasts a request packet in a special format to all the machines on the LAN to see if one machine knows that it has that IP address associated with it. A machine that recognizes the IP address as its own returns a reply so indicating. ARP updates the ARP cache for future reference and then sends the packet to the MAC address that replied.

References:

<http://searchnetworking.techtarget.com/definition/Address-Resolution-Protocol-ARP>

**NEW QUESTION 457**

- (Exam Topic 4)

What is the benefit of performing an unannounced Penetration Testing?

- A. The tester will have an actual security posture visibility of the target network.
- B. Network security would be in a "best state" posture.
- C. It is best to catch critical infrastructure unpatched.
- D. The tester could not provide an honest analysis.

**Answer:** A

**Explanation:**

Real life attacks will always come without expectation and they will often arrive in ways that are highly creative and very hard to plan for at all. This is, after all, exactly how hackers continue to succeed against network security systems, despite the billions invested in the data protection industry.

A possible solution to this danger is to conduct intermittent “unannounced” penetration tests whose scheduling and occurrence is only known to the hired attackers and upper management staff instead of every security employee, as would be the case with “announced” penetration tests that everyone has planned for in advance. The former may be better at detecting realistic weaknesses.

References:

<http://www.siteproneews.com/2013/03/20/the-pros-and-cons-of-penetration-testing/>

**NEW QUESTION 460**

- (Exam Topic 4)

```
env x=`() { :};echo exploit` bash -c 'cat /etc/passwd'
```

What is the Shellshock bash vulnerability attempting to do on a vulnerable Linux host?

- A. Display passwd content to prompt
- B. Removes the passwd file
- C. Changes all passwords in passwd
- D. Add new user to the passwd file

**Answer:** A

**Explanation:**

To extract private information, attackers are using a couple of techniques. The simplest extraction attacks are in the form:

```
() {:}; /bin/cat /etc/passwd
```

That reads the password file /etc/passwd, and adds it to the response from the web server. So an attacker injecting this code through the Shellshock vulnerability would see the password file dumped out onto their screen as part of the web page returned.

References: <https://blog.cloudflare.com/inside-shellshock/>

**NEW QUESTION 465**

- (Exam Topic 4)

You have successfully compromised a machine on the network and found a server that is alive on the same network. You tried to ping it but you didn't get any response back.

What is happening?

- A. ICMP could be disabled on the target server.
- B. The ARP is disabled on the target server.
- C. TCP/IP doesn't support ICMP.
- D. You need to run the ping command with root privileges.

**Answer:** A

**Explanation:**

The ping utility is implemented using the ICMP "Echo request" and "Echo reply" messages.

Note: The Internet Control Message Protocol (ICMP) is one of the main protocols of the internet protocol suite. It is used by network devices, like routers, to send error messages indicating, for example, that a requested service is not available or that a host or router could not be reached.

References: [https://en.wikipedia.org/wiki/Internet\\_Control\\_Message\\_Protocol](https://en.wikipedia.org/wiki/Internet_Control_Message_Protocol)

**NEW QUESTION 468**

- (Exam Topic 4)

Which of the following is an extremely common IDS evasion technique in the web world?

- A. unicode characters
- B. spyware
- C. port knocking
- D. subnetting

**Answer:** A

**Explanation:**

Unicode attacks can be effective against applications that understand it. Unicode is the international standard whose goal is to represent every character needed by every written human language as a single integer number. What is known as Unicode evasion should more correctly be referenced as UTF-8 evasion. Unicode characters are normally represented with two bytes, but this is impractical in real life.

One aspect of UTF-8 encoding causes problems: non-Unicode characters can be represented encoded. What is worse is multiple representations of each character can exist. Non-Unicode character encodings are known as overlong characters, and may be signs of attempted attack.

References:

<http://books.gigatux.nl/mirror/apacheseconomy/0596007248/apachesc-chp-10-sect-8.html>

**NEW QUESTION 472**

- (Exam Topic 4)

Which of the following is the BEST way to defend against network sniffing?

- A. Using encryption protocols to secure network communications
- B. Register all machines MAC Address in a Centralized Database
- C. Restrict Physical Access to Server Rooms hosting Critical Servers
- D. Use Static IP Address

**Answer:** A

**Explanation:**

A way to protect your network traffic from being sniffed is to use encryption such as Secure Sockets Layer (SSL) or Transport Layer Security (TLS). Encryption doesn't prevent packet sniffers from seeing source and destination information, but it does encrypt the data packet's payload so that all the sniffer sees is encrypted gibberish.

References:

<http://netsecurity.about.com/od/informationresources/a/What-Is-A-Packet-Sniffer.htm>

**NEW QUESTION 473**

- (Exam Topic 4)

A hacker has successfully infected an internet-facing server which he will then use to send junk mail, take part in coordinated attacks, or host junk email content. Which sort of trojan infects this server?

- A. Botnet Trojan
- B. Turtle Trojans
- C. Banking Trojans
- D. Ransomware Trojans

**Answer:** A

**Explanation:**

In computer science, a zombie is a computer connected to the Internet that has been compromised by a hacker, computer virus or trojan horse and can be used to perform malicious tasks of one sort or another under remote direction. Botnets of zombie computers are often used to spread e-mail spam and launch denial-of-service attacks. Most owners of zombie computers are unaware that their system is being used in this way. Because the owner tends to be unaware, these computers are metaphorically compared to zombies. A coordinated DDoS attack by multiple botnet machines also resembles a zombie horde attack.

**NEW QUESTION 474**

- (Exam Topic 4)

When you return to your desk after a lunch break, you notice a strange email in your inbox. The sender is someone you did business with recently, but the subject line has strange characters in it.

What should you do?

- A. Forward the message to your company's security response team and permanently delete the message from your computer.
- B. Reply to the sender and ask them for more information about the message contents.
- C. Delete the email and pretend nothing happened
- D. Forward the message to your supervisor and ask for her opinion on how to handle the situation

**Answer:** A

**Explanation:**

By setting up an email address for your users to forward any suspicious email to, the emails can be automatically scanned and replied to, with security incidents created to follow up on any emails with attached malware or links to known bad websites.

References:

[https://docs.servicenow.com/bundle/helsinki-security-management/page/product/threat-intelligence/task/t\\_Confi](https://docs.servicenow.com/bundle/helsinki-security-management/page/product/threat-intelligence/task/t_Confi)

**NEW QUESTION 479**

- (Exam Topic 4)

Which of the following is not a Bluetooth attack?

- A. Bluedriving
- B. Bluejacking
- C. Bluesmacking
- D. Bluesnarfing

**Answer:** A

**NEW QUESTION 484**

- (Exam Topic 4)

You've gained physical access to a Windows 2008 R2 server which has an accessible disc drive. When you attempt to boot the server and log in, you are unable

to guess the password. In your tool kit you have an Ubuntu 9.10 Linux LiveCD. Which Linux based tool has the ability to change any user's password or to activate disabled Windows accounts?

- A. CHNTPW
- B. Cain & Abel
- C. SET
- D. John the Ripper

**Answer:** A

**Explanation:**

chntpw is a software utility for resetting or blanking local passwords used by Windows NT, 2000, XP, Vista, 7, 8 and 8.1. It does this by editing the SAM database where Windows stores password hashes.

References: <https://en.wikipedia.org/wiki/Chntpw>

**NEW QUESTION 485**

- (Exam Topic 4)

You are attempting to man-in-the-middle a session. Which protocol will allow you to guess a sequence number?

- A. TCP
- B. UDP
- C. ICMP
- D. UPX

**Answer:** A

**Explanation:**

At the establishment of a TCP session the client starts by sending a SYN-packet (SYN=synchronize) with a sequence number. To hijack a session it is required to send a packet with a right seq-number, otherwise they are dropped.

References: <https://www.exploit-db.com/papers/13587/>

**NEW QUESTION 490**

- (Exam Topic 4)

During a recent security assessment, you discover the organization has one Domain Name Server (DNS) in a Demilitarized Zone (DMZ) and a second DNS server on the internal network.

What is this type of DNS configuration commonly called?

- A. Split DNS
- B. DNSSEC
- C. DynDNS
- D. DNS Scheme

**Answer:** A

**Explanation:**

In a split DNS infrastructure, you create two zones for the same domain, one to be used by the internal network, the other used by the external network. Split DNS directs internal hosts to an internal domain name server for name resolution and external hosts are directed to an external domain name server for name resolution.

References:

[http://www.webopedia.com/TERM/S/split\\_DNS.html](http://www.webopedia.com/TERM/S/split_DNS.html)

**NEW QUESTION 494**

- (Exam Topic 4)

You are logged in as a local admin on a Windows 7 system and you need to launch the Computer Management Console from command line.

Which command would you use?

- A. c:\compmgmt.msc
- B. c:\services.msc
- C. c:\ncpa.cp
- D. c:\gpedit

**Answer:** A

**Explanation:**

To start the Computer Management Console from command line just type compmgmt.msc

/computer:computename in your run box or at the command line and it should automatically open the Computer Management console.

References:

<http://www.waynezim.com/tag/compmgmtmsc/>

**NEW QUESTION 499**

- (Exam Topic 4)

In 2007, this wireless security algorithm was rendered useless by capturing packets and discovering the passkey in a matter of seconds. This security flaw led to a network invasion of TJ Maxx and data theft through a technique known as wardriving.

Which Algorithm is this referring to?

- A. Wired Equivalent Privacy (WEP)
- B. Wi-Fi Protected Access (WPA)
- C. Wi-Fi Protected Access 2 (WPA2)
- D. Temporal Key Integrity Protocol (TKIP)

**Answer:** A

**Explanation:**

WEP is the currently most used protocol for securing 802.11 networks, also called wireless lans or wlans. In 2007, a new attack on WEP, the PTW attack, was discovered, which allows an attacker to recover the secret key in less than 60 seconds in some cases.

Note: Wardriving is the act of searching for Wi-Fi wireless networks by a person in a moving vehicle, using a portable computer, smartphone or personal digital assistant (PDA).

References: <https://events.ccc.de/camp/2007/Fahrplan/events/1943.en.html>

**NEW QUESTION 504**

- (Exam Topic 4)

Which regulation defines security and privacy controls for Federal information systems and organizations?

- A. NIST-800-53
- B. PCI-DSS
- C. EU Safe Harbor
- D. HIPAA

**Answer:** A

**Explanation:**

NIST Special Publication 800-53, "Security and Privacy Controls for Federal Information Systems and Organizations," provides a catalog of security controls for all U.S. federal information systems except those related to national security.

References: [https://en.wikipedia.org/wiki/NIST\\_Special\\_Publication\\_800-53](https://en.wikipedia.org/wiki/NIST_Special_Publication_800-53)

**NEW QUESTION 506**

- (Exam Topic 4)

When you are testing a web application, it is very useful to employ a proxy tool to save every request and response. You can manually test every request and analyze the response to find vulnerabilities. You can test parameter and headers manually to get more precise results than if using web vulnerability scanners. What proxy tool will help you find web vulnerabilities?

- A. Burpsuite
- B. Maskgen
- C. Dimitry
- D. Proxychains

**Answer:** A

**Explanation:**

Burp Suite is an integrated platform for performing security testing of web applications. Its various tools work seamlessly together to support the entire testing process, from initial mapping and analysis of an application's attack surface, through to finding and exploiting security vulnerabilities.

References: <https://portswigger.net/burp/>

**NEW QUESTION 510**

- (Exam Topic 4)

After trying multiple exploits, you've gained root access to a Centos 6 server. To ensure you maintain access, what would you do first?

- A. Create User Account
- B. Disable Key Services
- C. Disable IPTables
- D. Download and Install Netcat

**Answer:** A

**NEW QUESTION 511**

- (Exam Topic 4)

Nation-state threat actors often discover vulnerabilities and hold on to them until they want to launch a sophisticated attack. The Stuxnet attack was an unprecedented style of attack because it used four types of vulnerability.

What is this style of attack called?

- A. zero-day
- B. zero-hour
- C. zero-sum
- D. no-day

**Answer:** A

**Explanation:**

Stuxnet is a malicious computer worm believed to be a jointly built American-Israeli cyber weapon. Exploiting four zero-day flaws, Stuxnet functions by targeting machines using the Microsoft Windows operating system and networks, then seeking out Siemens Step7 software.

References: <https://en.wikipedia.org/wiki/Stuxnet>

**NEW QUESTION 514**

- (Exam Topic 4)

This tool is an 802.11 WEP and WPA-PSK keys cracking program that can recover keys once enough data packets have been captured. It implements the standard FMS attack along with some optimizations like KoreK attacks, as well as the PTW attack, thus making the attack much faster compared to other WEP cracking tools.

Which of the following tools is being described?

- A. Aircrack-ng
- B. Airguard
- C. WLAN-crack
- D. wificracker

**Answer:** A

**Explanation:**

Aircrack-ng is a complete suite of tools to assess WiFi network security.

The default cracking method of Aircrack-ng is PTW, but Aircrack-ng can also use the FMS/KoreK method, which incorporates various statistical attacks to discover the WEP key and uses these in combination with brute forcing.

References:

<http://www.aircrack-ng.org/doku.php?id=aircrack-ng>

**NEW QUESTION 515**

- (Exam Topic 4)

Which mode of IPSec should you use to assure security and confidentiality of data within the same LAN?

- A. ESP transport mode
- B. AH permiscuous
- C. ESP confidential
- D. AH Tunnel mode

**Answer:** A

**Explanation:**

When transport mode is used, IPSec encrypts only the IP payload. Transport mode provides the protection of an IP payload through an AH or ESP header.

Encapsulating Security Payload (ESP) provides confidentiality (in addition to authentication, integrity, and anti-replay protection) for the IP payload.

**NEW QUESTION 520**

- (Exam Topic 4)

Which of the following is a command line packet analyzer similar to GUI-based Wireshark?

- A. tcpdump
- B. nessus
- C. etherea
- D. Jack the ripper

**Answer:** A

**Explanation:**

tcpdump is a common packet analyzer that runs under the command line. It allows the user to display TCP/IP

and other packets being transmitted or received over a network to which the computer is attached. References: <https://en.wikipedia.org/wiki/Tcpdump>

**NEW QUESTION 521**

- (Exam Topic 4)

What is the process of logging, recording, and resolving events that take place in an organization?

- A. Incident Management Process
- B. Security Policy
- C. Internal Procedure
- D. Metrics

**Answer:** A

**Explanation:**

The activities within the incident management process include:

References: [https://en.wikipedia.org/wiki/Incident\\_management\\_\(ITSM\)#Incident\\_management\\_procedure](https://en.wikipedia.org/wiki/Incident_management_(ITSM)#Incident_management_procedure)

**NEW QUESTION 525**

- (Exam Topic 4)

It is a kind of malware (malicious software) that criminals install on your computer so they can lock it from a remote location. This malware generates a pop-up window, webpage, or email warning from what looks like an official authority. It explains that your computer has been locked because of possible illegal activities on it and demands payment before you can access your files and programs again.

Which of the following terms best matches the definition?

- A. Ransomware
- B. Adware
- C. Spyware
- D. Riskware

**Answer:** A

**Explanation:**

Ransomware is a type of malware that can be covertly installed on a computer without knowledge or intention of the user that restricts access to the infected computer system in some way, and demands that the user pay a ransom to the malware operators to remove the restriction. Some forms of ransomware



systematically encrypt files on the system's hard drive, which become difficult or impossible to decrypt without paying the ransom for the encryption key, while some may simply lock the system and display messages intended to coax the user into paying. Ransomware typically propagates as a Trojan.

References: <https://en.wikipedia.org/wiki/Ransomware>

**NEW QUESTION 526**

- (Exam Topic 4)

While using your bank's online servicing you notice the following string in the URL bar: "http://www.MyPersonalBank.com/account?id=368940911028389&Damount=10980&Camount=21"

You observe that if you modify the Damount & Camount values and submit the request, that data on the web page reflect the changes.

Which type of vulnerability is present on this site?

- A. Web Parameter Tampering
- B. Cookie Tampering
- C. XSS Reflection
- D. SQL injection

**Answer:** A

**Explanation:**

The Web Parameter Tampering attack is based on the manipulation of parameters exchanged between client and server in order to modify application data, such as user credentials and permissions, price and quantity of products, etc. Usually, this information is stored in cookies, hidden form fields, or URL Query Strings, and is used to increase application functionality and control.

References: [https://www.owasp.org/index.php/Web\\_Parameter\\_Tampering](https://www.owasp.org/index.php/Web_Parameter_Tampering)

**NEW QUESTION 528**

- (Exam Topic 4)

An attacker has installed a RAT on a host. The attacker wants to ensure that when a user attempts to go to "www.MyPersonalBank.com", that the user is directed to a phishing site.

Which file does the attacker need to modify?

- A. Hosts
- B. Sudoers
- C. Boot.ini
- D. Networks

**Answer:** A

**Explanation:**

The hosts file is a computer file used by an operating system to map hostnames to IP addresses. The hosts file contains lines of text consisting of an IP address in the first text field followed by one or more host names.

References: [https://en.wikipedia.org/wiki/Hosts\\_\(file\)](https://en.wikipedia.org/wiki/Hosts_(file))

**NEW QUESTION 532**

- (Exam Topic 4)

You are tasked to perform a penetration test. While you are performing information gathering, you find an employee list in Google. You find the receptionist's email, and you send her an email changing the source email to her boss's email( boss@company ). In this email, you ask for a pdf with information. She reads your email and sends back a pdf with links. You exchange the pdf links with your malicious links (these links contain malware) and send back the modified pdf, saying that the links don't work. She reads your email, opens the links, and her machine gets infected. You now have access to the company network.

What testing method did you use?

- A. Social engineering
- B. Tailgating
- C. Piggybacking
- D. Eavesdropping

**Answer:** A

**Explanation:**

Social engineering, in the context of information security, refers to psychological manipulation of people into performing actions or divulging confidential information. A type of confidence trick for the purpose of information gathering, fraud, or system access, it differs from a traditional "con" in that it is often one of many steps in a more complex fraud scheme.

**NEW QUESTION 535**

- (Exam Topic 4)

The configuration allows a wired or wireless network interface controller to pass all traffic it receives to the central processing unit (CPU), rather than passing only the frames that the controller is intended to receive.

Which of the following is being described?

- A. promiscuous mode
- B. port forwarding
- C. multi-cast mode
- D. WEM

**Answer:** A

**Explanation:**

Promiscuous mode refers to the special mode of Ethernet hardware, in particular network interface cards (NICs), that allows a NIC to receive all traffic on the network, even if it is not addressed to this NIC. By default, a NIC ignores all traffic that is not addressed to it, which is done by comparing the destination address of the Ethernet packet with the hardware address (a.k.a. MAC) of the device. While this makes perfect sense for networking, non-promiscuous mode makes it



difficult to use network monitoring and analysis software for diagnosing connectivity issues or traffic accounting.  
References: <https://www.tamos.com/htmlhelp/monitoring/>

**NEW QUESTION 537**

- (Exam Topic 4)

You are performing a penetration test. You achieved access via a buffer overflow exploit and you proceed to find interesting data, such as files with usernames and passwords. You find a hidden folder that has the administrator's bank account password and login information for the administrator's bitcoin account. What should you do?

- A. Report immediately to the administrator
- B. Do not report it and continue the penetration test.
- C. Transfer money from the administrator's account to another account.
- D. Do not transfer the money but steal the bitcoins.

**Answer:** A

**NEW QUESTION 541**

- (Exam Topic 5)

A new wireless client is configured to join a 802.11 network. This client uses the same hardware and software as many of the other clients on the network. The client can see the network, but cannot connect. A wireless packet sniffer shows that the Wireless Access Point (WAP) is not responding to the association requests being sent by the wireless client. What is a possible source of this problem?

- A. The WAP does not recognize the client's MAC address
- B. The client cannot see the SSID of the wireless network
- C. Client is configured for the wrong channel
- D. The wireless client is not configured to use DHCP

**Answer:** A

**Explanation:**

MAC Filtering (or GUI filtering, or layer 2 address filtering) refers to a security access control method whereby the 48-bit address assigned to each network card is used to determine access to the network. MAC Filtering is often used on wireless networks.  
References: [https://en.wikipedia.org/wiki/MAC\\_filtering](https://en.wikipedia.org/wiki/MAC_filtering)

**NEW QUESTION 542**

- (Exam Topic 5)

An attacker with access to the inside network of a small company launches a successful STP manipulation attack. What will he do next?

- A. He will create a SPAN entry on the spoofed root bridge and redirect traffic to his computer.
- B. He will activate OSPF on the spoofed root bridge.
- C. He will repeat the same attack against all L2 switches of the network.
- D. He will repeat this action so that it escalates to a DoS attack.

**Answer:** A

**NEW QUESTION 547**

- (Exam Topic 5)

Which of the following is a protocol specifically designed for transporting event messages?

- A. SYSLOG
- B. SMS
- C. SNMP
- D. ICMP

**Answer:** A

**Explanation:**

syslog is a standard for message logging. It permits separation of the software that generates messages, the system that stores them, and the software that reports and analyzes them. Each message is labeled with a facility code, indicating the software type generating the message, and assigned a severity label.  
References: [https://en.wikipedia.org/wiki/Syslog#Network\\_protocol](https://en.wikipedia.org/wiki/Syslog#Network_protocol)

**NEW QUESTION 550**

- (Exam Topic 5)

Internet Protocol Security IPSec is actually a suite of protocols. Each protocol within the suite provides different functionality. Collective IPSec does everything except.

- A. Protect the payload and the headers
- B. Authenticate
- C. Encrypt
- D. Work at the Data Link Layer

**Answer:** D

**NEW QUESTION 555**

- (Exam Topic 5)

Which of the following is designed to identify malicious attempts to penetrate systems?

- A. Intrusion Detection System
- B. Firewall
- C. Proxy
- D. Router

**Answer:** A

**Explanation:**

An intrusion detection system (IDS) is a device or software application that monitors network or system activities for malicious activities or policy violations and produces electronic reports to a management station.

References: [https://en.wikipedia.org/wiki/Intrusion\\_detection\\_system](https://en.wikipedia.org/wiki/Intrusion_detection_system)

**NEW QUESTION 558**

- (Exam Topic 5)

The "gray box testing" methodology enforces what kind of restriction?

- A. The internal operation of a system is only partly accessible to the tester.
- B. The internal operation of a system is completely known to the tester.
- C. Only the external operation of a system is accessible to the tester.
- D. Only the internal operation of a system is known to the tester.

**Answer:** A

**Explanation:**

A black-box tester is unaware of the internal structure of the application to be tested, while a white-box tester has access to the internal structure of the application.

A gray-box tester partially knows the internal structure, which includes access to the documentation of internal data structures as well as the algorithms used.

References: [https://en.wikipedia.org/wiki/Gray\\_box\\_testing](https://en.wikipedia.org/wiki/Gray_box_testing)

**NEW QUESTION 560**

- (Exam Topic 5)

What is the way to decide how a packet will move from an untrusted outside host to a protected inside that is behind a firewall, which permits the hacker to determine which ports are open and if the packets can pass through the packet-filtering of the firewall?

- A. Firewalking
- B. Session hijacking
- C. Network sniffing
- D. Man-in-the-middle attack

**Answer:** A

**NEW QUESTION 563**

- (Exam Topic 5)

The company ABC recently discovered that their new product was released by the opposition before their premiere. They contract an investigator who discovered that the maid threw away papers with confidential information about the new product and the opposition found it in the garbage. What is the name of the technique used by the opposition?

- A. Hack attack
- B. Sniffing
- C. Dumpster diving
- D. Spying

**Answer:** C

**NEW QUESTION 565**

- (Exam Topic 5)

Craig received a report of all the computers on the network that showed all the missing patches and weak passwords. What type of software generated this report?

- A. a port scanner
- B. a vulnerability scanner
- C. a virus scanner
- D. a malware scanner

**Answer:** B

**NEW QUESTION 568**

- (Exam Topic 5)

An incident investigator asks to receive a copy of the event logs from all firewalls, proxy servers, and Intrusion Detection Systems (IDS) on the network of an organization that has experienced a possible breach of security. When the investigator attempts to correlate the information in all of the logs, the sequence of many of the logged events do not match up.

What is the most likely cause?

- A. The network devices are not all synchronized.
- B. Proper chain of custody was not observed while collecting the logs.
- C. The attacker altered or erased events from the logs.
- D. The security breach was a false positive.

**Answer:** A

**Explanation:**

Time synchronization is an important middleware service of distributed systems, amongst which Distributed Intrusion Detection System (DIDS) makes extensive use of time synchronization in particular.

References:

<http://ieeexplore.ieee.org/xpl/login.jsp?tp=>

[&number=5619315&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs\\_all.jsp%3Farnumber%3D561](http://ieeexplore.ieee.org/xpl/login.jsp?tp=&number=5619315&url=http%3A%2F%2Fieeexplore.ieee.org%2Fxppls%2Fabs_all.jsp%3Farnumber%3D561)

**NEW QUESTION 569**

- (Exam Topic 5)

In Risk Management, how is the term "likelihood" related to the concept of "threat?"

- A. Likelihood is the probability that a threat-source will exploit a vulnerability.
- B. Likelihood is a possible threat-source that may exploit a vulnerability.
- C. Likelihood is the likely source of a threat that could exploit a vulnerability.
- D. Likelihood is the probability that a vulnerability is a threat-source.

**Answer:** A

**Explanation:**

The ability to analyze the likelihood of threats within the organization is a critical step in building an effective security program. The process of assessing threat probability should be well defined and incorporated into a broader threat analysis process to be effective.

References:

<http://www.mcafee.com/campaign/securitybattleground/resources/chapter5/whitepaper-on-assessing-threat-attac>

**NEW QUESTION 573**

- (Exam Topic 5)

In cryptanalysis and computer security, 'pass the hash' is a hacking technique that allows an attacker to authenticate to a remote server/service by using the underlying NTLM and/or LanMan hash of a user's password, instead of requiring the associated plaintext password as is normally the case.

Metasploit Framework has a module for this technique: psexec. The psexec module is often used by penetration testers to obtain access to a given system that you already know the credentials for. It was written by sysinternals and has been integrated within the framework. Often as penetration testers, successfully gain access to a system through some exploit, use meterpreter to grab the passwords or other methods like fgdump, pwdump, or cachedump and then utilize rainbowtables to crack those hash values.

Which of the following is true hash type and sort order that is using in the psexec module's 'smbpass'?

- A. NT:LM
- B. LM:NT
- C. LM:NTLM
- D. NTLM:LM

**Answer:** B

**NEW QUESTION 575**

- (Exam Topic 5)

Which protocol is used for setting up secured channels between two devices, typically in VPNs?

- A. IPSEC
- B. PEM
- C. SET
- D. PPP

**Answer:** A

**NEW QUESTION 576**

- (Exam Topic 5)

Rebecca commonly sees an error on her Windows system that states that a Data Execution Prevention (DEP) error has taken place. Which of the following is most likely taking place?

- A. A race condition is being exploited, and the operating system is containing the malicious process.
- B. A page fault is occurring, which forces the operating system to write data from the hard drive.
- C. Malware is executing in either ROM or a cache memory area.
- D. Malicious code is attempting to execute instruction in a non-executable memory region.

**Answer:** D

**NEW QUESTION 578**

- (Exam Topic 5)

Due to a slowdown of normal network operations, IT department decided to monitor internet traffic for all of the employees. From a legal stand point, what would be troublesome to take this kind of measure?

- A. All of the employees would stop normal work activities
- B. IT department would be telling employees who the boss is
- C. Not informing the employees that they are going to be monitored could be an invasion of privacy.
- D. The network could still experience traffic slow down.

**Answer:** C

**NEW QUESTION 581**

- (Exam Topic 5)

By using a smart card and pin, you are using a two-factor authentication that satisfies

- A. Something you know and something you are
- B. Something you have and something you know
- C. Something you have and something you are
- D. Something you are and something you remember

**Answer:** B

#### NEW QUESTION 584

- (Exam Topic 5)

Which of the following security operations is used for determining the attack surface of an organization?

- A. Running a network scan to detect network services in the corporate DMZ
- B. Training employees on the security policy regarding social engineering
- C. Reviewing the need for a security clearance for each employee
- D. Using configuration management to determine when and where to apply security patches

**Answer:** A

#### Explanation:

For a network scan the goal is to document the exposed attack surface along with any easily detected vulnerabilities.

References:

<http://meisecurity.com/home/consulting/consulting-network-scanning/>

#### NEW QUESTION 586

- (Exam Topic 5)

Which of the following is a passive wireless packet analyzer that works on Linux-based systems?

- A. Burp Suite
- B. OpenVAS
- C. tshark
- D. Kismet

**Answer:** D

#### NEW QUESTION 589

- (Exam Topic 5)

The network in ABC company is using the network address 192.168.1.64 with mask 255.255.255.192. In the network the servers are in the addresses 192.168.1.122, 192.168.1.123 and 192.168.1.124.

An attacker is trying to find those servers but he cannot see them in his scanning. The command he is using is: nmap 192.168.1.64/28.

Why he cannot see the servers?

- A. The network must be down and the nmap command and IP address are ok.
- B. He needs to add the command ""ip address"" just before the IP address.
- C. He is scanning from 192.168.1.64 to 192.168.1.78 because of the mask /28 and the servers are not in that range.
- D. He needs to change the address to 192.168.1.0 with the same mask.

**Answer:** C

#### NEW QUESTION 594

- (Exam Topic 5)

\_\_\_\_\_ is a set of extensions to DNS that provide to DNS clients (resolvers) origin authentication of DNS data to reduce the threat of DNS poisoning, spoofing, and similar attacks types.

- A. DNSSEC
- B. Zone transfer
- C. Resource transfer
- D. Resource records

**Answer:** A

#### NEW QUESTION 597

- (Exam Topic 5)

What does a firewall check to prevent particular ports and applications from getting packets into an organization?

- A. Transport layer port numbers and application layer headers
- B. Presentation layer headers and the session layer port numbers
- C. Network layer headers and the session layer port numbers
- D. Application layer port numbers and the transport layer headers

**Answer:** A

#### Explanation:

Newer firewalls can filter traffic based on many packet attributes like source IP address, source port, destination IP address or transport layer port, destination service like WWW or FTP. They can filter based on protocols, TTL values, netblock of originator, of the source, and many other attributes.

Application layer firewalls are responsible for filtering at 3, 4, 5, 7 layer. Because they analyze the application layer headers, most firewall control and filtering is

performed actually in the software.

References: [https://en.wikipedia.org/wiki/Firewall\\_\(computing\)#Network\\_layer\\_or\\_packet\\_filters](https://en.wikipedia.org/wiki/Firewall_(computing)#Network_layer_or_packet_filters)

<http://howdoesinternetwork.com/2012/application-layer-firewalls>

**NEW QUESTION 598**

- (Exam Topic 5)

Bob learned that his username and password for a popular game has been compromised. He contacts the company and resets all the information. The company suggests he use two-factor authentication, which option below offers that?

- A. A new username and password
- B. A fingerprint scanner and his username and password.
- C. Disable his username and use just a fingerprint scanner.
- D. His username and a stronger password.

**Answer:** B

**NEW QUESTION 600**

- (Exam Topic 5)

Which of the following is considered the best way to protect Personally Identifiable Information (PII) from Web application vulnerabilities?

- A. Use cryptographic storage to store all PII
- B. Use encrypted communications protocols to transmit PII
- C. Use full disk encryption on all hard drives to protect PII
- D. Use a security token to log into all Web applications that use PII

**Answer:** A

**Explanation:**

As a matter of good practice any PII should be protected with strong encryption.

References: <https://cuit.columbia.edu/cuit/it-security-practices/handling-personally-identifying-information>

**NEW QUESTION 604**

- (Exam Topic 5)

Sid is a judge for a programming contest. Before the code reaches him it goes through a restricted OS and is tested there. If it passes, then it moves onto Sid. What is this middle step called?

- A. Fuzzy-testing the code
- B. Third party running the code
- C. Sandboxing the code
- D. String validating the code

**Answer:** A

**NEW QUESTION 607**

- (Exam Topic 5)

When purchasing a biometric system, one of the considerations that should be reviewed is the processing speed. Which of the following best describes what it is meant by processing?

- A. The amount of time it takes to convert biometric data into a template on a smart card.
- B. The amount of time and resources that are necessary to maintain a biometric system.
- C. The amount of time it takes to be either accepted or rejected form when an individual provides Identification and authentication information.
- D. How long it takes to setup individual user accounts.

**Answer:** C

**NEW QUESTION 611**

- (Exam Topic 5)

Which of the following is considered an exploit framework and has the ability to perform automated attacks on services, ports, applications and unpatched security flaws in a computer system?

- A. Wireshark
- B. Maltego
- C. Metasploit
- D. Nessus

**Answer:** C

**NEW QUESTION 612**

- (Exam Topic 5)

Scenario:

What is the name of the attack which is mentioned in the scenario?

- A. HTTP Parameter Pollution
- B. HTML Injection
- C. Session Fixation
- D. ClickJacking Attack



**Answer:** D

**NEW QUESTION 613**

- (Exam Topic 5)

What term describes the amount of risk that remains after the vulnerabilities are classified and the countermeasures have been deployed?

- A. Residual risk
- B. Inherent risk
- C. Deferred risk
- D. Impact risk

**Answer:** A

**Explanation:**

The residual risk is the risk or danger of an action or an event, a method or a (technical) process that, although being abreast with science, still conceives these dangers, even if all theoretically possible safety measures would be applied (scientifically conceivable measures); in other words, the amount of risk left over after natural or inherent risks have been reduced by risk controls.

References: [https://en.wikipedia.org/wiki/Residual\\_risk](https://en.wikipedia.org/wiki/Residual_risk)

**NEW QUESTION 616**

- (Exam Topic 5)

What is the role of test automation in security testing?

- A. It can accelerate benchmark tests and repeat them with a consistent test setu
- B. But it cannot replace manual testing completely.
- C. It is an option but it tends to be very expensive.
- D. It should be used exclusivel
- E. Manual testing is outdated because of low speed and possible test setup inconsistencies.
- F. Test automation is not usable in security due to the complexity of the tests.

**Answer:** A

**NEW QUESTION 617**

- (Exam Topic 5)

Which of the following is a low-tech way of gaining unauthorized access to systems?

- A. Social Engineering
- B. Sniffing
- C. Eavesdropping
- D. Scanning

**Answer:** A

**Explanation:**

Social engineering, in the context of information security, refers to psychological manipulation of people into performing actions or divulging confidential information. A type of confidence trick for the purpose of information gathering, fraud, or system access.

References: [https://en.wikipedia.org/wiki/Social\\_engineering\\_\(security\)](https://en.wikipedia.org/wiki/Social_engineering_(security))

**NEW QUESTION 622**

- (Exam Topic 5)

Which of the following types of firewalls ensures that the packets are part of the established session?

- A. Stateful inspection firewall
- B. Circuit-level firewall
- C. Application-level firewall
- D. Switch-level firewall

**Answer:** A

**Explanation:**

A stateful firewall is a network firewall that tracks the operating state and characteristics of network connections traversing it. The firewall is configured to distinguish legitimate packets for different types of connections. Only packets matching a known active connection (session) are allowed to pass the firewall.

References: [https://en.wikipedia.org/wiki/Stateful\\_firewall](https://en.wikipedia.org/wiki/Stateful_firewall)

**NEW QUESTION 626**

- (Exam Topic 5)

Which of the following tools performs comprehensive tests against web servers, including dangerous files and CGIs?

- A. Nikto
- B. Snort
- C. John the Ripper
- D. Dsniff

**Answer:** A

**Explanation:**

Nikto is an Open Source (GPL) web server scanner which performs comprehensive tests against web servers for multiple items, including over 6700 potentially



dangerous files/CGIs, checks for outdated versions of over 1250 servers, and version specific problems on over 270 servers. It also checks for server configuration items such as the presence of multiple index files, HTTP server options, and will attempt to identify installed web servers and software. Scan items and plugins are frequently updated and can be automatically updated.

References: [https://en.wikipedia.org/wiki/Nikto\\_Web\\_Scanner](https://en.wikipedia.org/wiki/Nikto_Web_Scanner)

**NEW QUESTION 630**

- (Exam Topic 5)

Which of the following is one of the most effective ways to prevent Cross-site Scripting (XSS) flaws in software applications?

- A. Validate and escape all information sent to a server
- B. Use security policies and procedures to define and implement proper security settings
- C. Verify access right before allowing access to protected information and UI controls
- D. Use digital certificates to authenticate a server prior to sending data

**Answer:** A

**Explanation:**

Contextual output encoding/escaping could be used as the primary defense mechanism to stop Cross-site Scripting (XSS) attacks.

References:

[https://en.wikipedia.org/wiki/Cross-site\\_scripting#Contextual\\_output\\_encoding.2Fescaping\\_of\\_string\\_input](https://en.wikipedia.org/wiki/Cross-site_scripting#Contextual_output_encoding.2Fescaping_of_string_input)

**NEW QUESTION 634**

- (Exam Topic 5)

An Internet Service Provider (ISP) has a need to authenticate users connecting using analog modems, Digital Subscriber Lines (DSL), wireless data services, and Virtual Private Networks (VPN) over a Frame Relay network.

Which AAA protocol is most likely able to handle this requirement?

- A. RADIUS
- B. DIAMETER
- C. Kerberos
- D. TACACS+

**Answer:** A

**Explanation:**

Because of the broad support and the ubiquitous nature of the RADIUS protocol, it is often used by ISPs and enterprises to manage access to the Internet or internal networks, wireless networks, and integrated e-mail services. These networks may incorporate modems, DSL, access points, VPNs, network ports, web servers, etc.

References: <https://en.wikipedia.org/wiki/RADIUS>

**NEW QUESTION 639**

- (Exam Topic 5)

A well-intentioned researcher discovers a vulnerability on the web site of a major corporation. What should he do?

- A. Ignore it.
- B. Try to sell the information to a well-paying party on the dark web.
- C. Notify the web site owner so that corrective action be taken as soon as possible to patch the vulnerability.
- D. Exploit the vulnerability without harming the web site owner so that attention be drawn to the problem.

**Answer:** C

**NEW QUESTION 642**

- (Exam Topic 5)

During a security audit of IT processes, an IS auditor found that there were no documented security procedures. What should the IS auditor do?

- A. Identify and evaluate existing practices
- B. Create a procedures document
- C. Conduct compliance testing
- D. Terminate the audit

**Answer:** A

**Explanation:**

The auditor should first evaluated existing policies and practices to identify problem areas and opportunities.

**NEW QUESTION 646**

- (Exam Topic 5)

A hacker has managed to gain access to a Linux host and stolen the password file from /etc/passwd. How can he use it?

- A. The password file does not contain the passwords themselves.
- B. He can open it and read the user ids and corresponding passwords.
- C. The file reveals the passwords to the root user only.
- D. He cannot read it because it is encrypted.

**Answer:** A

**NEW QUESTION 647**

- (Exam Topic 6)

While performing online banking using a Web browser, Kyle receives an email that contains an image of a well-crafted art. Upon clicking the image, a new tab on the web browser opens and shows an animated GIF of bills and coins being swallowed by a crocodile. After several days, Kyle noticed that all his funds on the bank was gone. What Web browser-based security vulnerability got exploited by the hacker?

- A. Clickjacking
- B. Web Form Input Validation
- C. Cross-Site Request Forgery
- D. Cross-Site Scripting

**Answer:** C

#### NEW QUESTION 648

- (Exam Topic 6)

While you were gathering information as part of security assessments for one of your clients, you were able to gather data that show your client is involved with fraudulent activities. What should you do?

- A. Immediately stop work and contact the proper legal authorities
- B. Ignore the data and continue the assessment until completed as agreed
- C. Confront the client in a respectful manner and ask her about the data
- D. Copy the data to removable media and keep it in case you need it

**Answer:** A

#### NEW QUESTION 653

- (Exam Topic 6)

What type of malware is it that restricts access to a computer system that it infects and demands that the user pay a certain amount of money, cryptocurrency, etc. to the operators of the malware to remove the restriction?

- A. Ransomware
- B. Riskware
- C. Adware
- D. Spyware

**Answer:** A

#### NEW QUESTION 655

- (Exam Topic 6)

Matthew received an email with an attachment named "YouWon\$10Grand.zip." The zip file contains a file named "HowToClaimYourPrize.docx.exe." Out of excitement and curiosity, Matthew opened the said file. Without his knowledge, the file copies itself to Matthew's APPDATA\local directory and begins to beacon to a Command-and-control server to download additional malicious binaries. What type of malware has Matthew encountered?

- A. Key-logger
- B. Trojan
- C. Worm
- D. Macro Virus

**Answer:** B

#### NEW QUESTION 656

- (Exam Topic 6)

A new wireless client that is 802.11 compliant cannot connect to a wireless network given that the client can see the network and it has compatible hardware and software installed. Upon further tests and investigation, it was found out that the Wireless Access Point (WAP) was not responding to the association requests being sent by the wireless client. What MOST likely is the issue on this scenario?

- A. The client cannot see the SSID of the wireless network
- B. The WAP does not recognize the client's MAC address.
- C. The wireless client is not configured to use DHCP.
- D. Client is configured for the wrong channel

**Answer:** B

#### NEW QUESTION 657

- (Exam Topic 6)

Shellshock had the potential for an unauthorized user to gain access to a server. It affected many internet-facing services, which OS did it not directly affect?

- A. Windows
- B. Unix
- C. Linux
- D. OS X

**Answer:** A

#### NEW QUESTION 659

- (Exam Topic 6)

Which of the following is NOT an ideal choice for biometric controls?

- A. Iris patterns
- B. Fingerprints
- C. Height and weight
- D. Voice

**Answer:** C

#### NEW QUESTION 664

- (Exam Topic 6)

What is the term coined for logging, recording and resolving events in a company?

- A. Internal Procedure
- B. Security Policy
- C. Incident Management Process
- D. Metrics

**Answer:** C

#### NEW QUESTION 668

- (Exam Topic 6)

Which of the following BEST describes the mechanism of a Boot Sector Virus?

- A. Moves the MBR to another location on the hard disk and copies itself to the original location of the MBR
- B. Moves the MBR to another location on the RAM and copies itself to the original location of the MBR
- C. Overwrites the original MBR and only executes the new virus code
- D. Modifies directory table entries so that directory entries point to the virus code instead of the actual program

**Answer:** A

#### NEW QUESTION 673

- (Exam Topic 6)

.....is an attack type for a rogue Wi-Fi access point that appears to be a legitimate one offered on the premises, but actually has been set up to eavesdrop on wireless communications. It is the wireless version of the phishing scam. An attacker fools wireless users into connecting a laptop or mobile phone to a tainted hotspot by posing as a legitimate provider. This type of attack may be used to steal the passwords of unsuspecting users by either snooping the communication link or by phishing, which involves setting up a fraudulent web site and luring people there.  
Fill in the blank with appropriate choice.

- A. Collision Attack
- B. Evil Twin Attack
- C. Sinkhole Attack
- D. Signal Jamming Attack

**Answer:** B

#### NEW QUESTION 678

- (Exam Topic 6)

The chance of a hard drive failure is known to be once every four years. The cost of a new hard drive is \$500. EF (Exposure Factor) is about 0.5. Calculate for the Annualized Loss Expectancy (ALE).

- A. \$62.5
- B. \$250
- C. \$125
- D. \$65.2

**Answer:** A

#### NEW QUESTION 680

- (Exam Topic 6)

TCP/IP stack fingerprinting is the passive collection of configuration attributes from a remote device during standard layer 4 network communications. Which of the following tools can be used for passive OS fingerprinting?

- A. nmap
- B. ping
- C. tracert
- D. tcpdump

**Answer:** D

#### NEW QUESTION 685

- (Exam Topic 6)

Which of the following is the most important phase of ethical hacking wherein you need to spend considerable amount of time?

- A. Gaining access
- B. Escalating privileges
- C. Network mapping
- D. Footprinting

**Answer:** D

**NEW QUESTION 688**

- (Exam Topic 6)

This configuration allows NIC to pass all traffic it receives to the Central Processing Unit (CPU), instead of passing only the frames that the controller is intended to receive. Select the option that BEST describes the above statement.

- A. Multi-cast mode
- B. WEM
- C. Promiscuous mode
- D. Port forwarding

**Answer:** C

**NEW QUESTION 692**

- (Exam Topic 6)

In which phase of the ethical hacking process can Google hacking be employed? This is a technique that involves manipulating a search string with specific operators to search for vulnerabilities.

Example:

allintitle: root passwd

- A. Maintaining Access
- B. Gaining Access
- C. Reconnaissance
- D. Scanning and Enumeration

**Answer:** C

**NEW QUESTION 695**

- (Exam Topic 6)

The practical realities facing organizations today make risk response strategies essential. Which of the following is NOT one of the five basic responses to risk?

- A. Accept
- B. Mitigate
- C. Delegate
- D. Avoid

**Answer:** C

**NEW QUESTION 699**

- (Exam Topic 6)

While performing ping scans into a target network you get a frantic call from the organization's security team. They report that they are under a denial of service attack. When you stop your scan, the smurf attack event stops showing up on the organization's IDS monitor.

How can you modify your scan to prevent triggering this event in the IDS?

- A. Scan more slowly.
- B. Do not scan the broadcast IP.
- C. Spoof the source IP address.
- D. Only scan the Windows systems.

**Answer:** B

**NEW QUESTION 702**

- (Exam Topic 6)

Which of the following will perform an Xmas scan using NMAP?

- A. nmap -sA 192.168.1.254
- B. nmap -sP 192.168.1.254
- C. nmap -sX 192.168.1.254
- D. nmap -sV 192.168.1.254

**Answer:** C

**NEW QUESTION 707**

- (Exam Topic 6)

While doing a technical assessment to determine network vulnerabilities, you used the TCP XMAS scan. What would be the response of all open ports?

- A. The port will send an ACK
- B. The port will send a SYN
- C. The port will ignore the packets
- D. The port will send an RST

**Answer:** C

**NEW QUESTION 711**

- (Exam Topic 6)

Which among the following is a Windows command that a hacker can use to list all the shares to which the current user context has access?

- A. NET FILE
- B. NET USE
- C. NET CONFIG
- D. NET VIEW

**Answer:** B

#### NEW QUESTION 716

- (Exam Topic 6)

Backing up data is a security must. However, it also has certain level of risks when mishandled. Which of the following is the greatest threat posed by backups?

- A. A backup is the source of Malware or illicit information
- B. A backup is incomplete because no verification was performed
- C. A backup is unavailable during disaster recovery
- D. An unencrypted backup can be misplaced or stolen

**Answer:** D

#### NEW QUESTION 717

- (Exam Topic 6)

A software tester is randomly generating invalid inputs in an attempt to crash the program. Which of the following is a software testing technique used to determine if a software program properly handles a wide range of invalid input?

- A. Mutating
- B. Randomizing
- C. Fuzzing
- D. Bounding

**Answer:** C

#### NEW QUESTION 721

- (Exam Topic 6)

Sandra has been actively scanning the client network on which she is doing a vulnerability assessment test. While conducting a port scan she notices open ports in the range of 135 to 139.

What protocol is most likely to be listening on those ports?

- A. Finger
- B. FTP
- C. Samba
- D. SMB

**Answer:** D

#### NEW QUESTION 722

- (Exam Topic 6)

LM hash is a compromised password hashing function. Which of the following parameters describe LM Hash:?

- I – The maximum password length is 14 characters.
- II – There are no distinctions between uppercase and lowercase.
- III – It's a simple algorithm, so 10,000,000 hashes can be generated per second.

- A. I
- B. I, II, and III
- C. II
- D. I and II

**Answer:** B

#### NEW QUESTION 726

- (Exam Topic 6)

Which of the following tools would MOST LIKELY be used to perform security audit on various of forms of network systems?

- A. Intrusion Detection System
- B. Vulnerability scanner
- C. Port scanner
- D. Protocol analyzer

**Answer:** B

#### NEW QUESTION 729

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\* 100% Pass or Money Back

All our products come with a 90-day Money Back Guarantee.

\* One year free update

You can enjoy free update one year. 24x7 online support.

\* Trusted by Millions

We currently serve more than 30,000,000 customers.

\* Shop Securely

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