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Exam Questions GSEC

GIAC Security Essentials Certification

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NEW QUESTION 1
Which of the following protocols is used to send e-mails on the Internet?

A. SMTP
B. IMAP4
C. POP3
D. HTTP

Answer: A

NEW QUESTION 2
Which of the following is a valid password for a system with the default "Password must meet complexity requirements" setting enabled as part of the GPO Password policy requirements?

A. The Cat Chased its Tail AII Night
B. disk ACCESS failed
C. SETI@HOME
D. SaNS2006

Answer: D

NEW QUESTION 3
Which of the following is an Implementation of PKI?

A. SSL
B. 3DES
C. Kerberos
D. SHA-1

Answer: A

NEW QUESTION 4
Which of the following hardware devices prevents broadcasts from crossing over subnets?

A. Bridge
B. Hub
C. Router
D. Modem

Answer: C

NEW QUESTION 5
Which of the following SIP methods is used to setup a new session and add a caller?

A. ACK
B. BYE
C. REGISTER
D. INVITE
E. CANCEL

Answer: D

NEW QUESTION 6
When trace route fails to get a timely response for a packet after three tries, which action will it take?

A. It will print '* * *' for the attempts and increase the maximum hop count by on
B. It will exit gracefully, and indicate to the user that the destination is unreachabl
C. It will increase the timeout for the hop and resend the packet
D. It will print '* * *' for the attempts, increment the TTL and try again until the maximum hop coun

Answer: D

NEW QUESTION 7
The Windows 'tracert' begins by sending what type of packet to the destination host?

A. A UDP packet with a TTL of 1
B. An ICMP Echo Request
C. An ICMP Router Discovery
D. An ICMP Echo Reply

Answer: A

NEW QUESTION 8

Which Defense-in-Depth model involves identifying various means by which threats can become manifest and providing security mechanisms to shut them down?

A. Vector-oriented
B. Uniform protection
C. Information centric defense
D. Protected enclaves

Answer: A

NEW QUESTION 9
Which of the following works at the network layer and hides the local area network IP address and topology?

A. Network address translation (NAT)
B. Hub
C. MAC address
D. Network interface card (NIC)

Answer: A

NEW QUESTION 10
You work as a Network Administrator for Net World Inc. The company has a Linux-based network. You are optimizing performance and security on your Web server. You want to know the ports that are listening to FTP. Which of the following commands will you use?

A. netstat -a | grep FTP
B. FTP netstat -r
C. FTP netstat -a
D. netstat -r | grep FTP

Answer: A

NEW QUESTION 10
Which Host-based IDS (HIDS) method of log monitoring utilizes a list of keywords or phrases that define the events of interest for the analyst, then takes a list of keywords to watch for and generates alerts when it sees matches in log file activity?

A. Passive analysis
B. Retroactive analysis
C. Exclusive analysis
D. Inclusive analysis

Answer: D

NEW QUESTION 12
Which of the following protocols work at the Session layer of the OSI model? Each correct answer represents a complete solution. Choose all that apply.

A. Border Gateway Multicast Protocol (BGMP)
B. Internet Security Association and Key Management Protocol (ISAKMP)
C. Trivial File Transfer Protocol (TFTP)
D. User Datagram Protocol (UDP)

Answer: AB

NEW QUESTION 13
John works as a Network Administrator for Perfect Solutions Inc. The company has a Linux-based network. John is working as a root user on the Linux operating system. He is currently working on his C based new traceroute program. Since, many processes are running together on the system, he wants to give the highest priority to the cc command process so that he can test his program, remove bugs, and submit it to the office in time. Which of the following commands will John use to give the highest priority to the cc command process?

A. nice -n 19 cc -c *.c &
B. nice cc -c *.c &
C. nice -n -20 cc -c *.c &
D. nice cc -c *.c

Answer: C

NEW QUESTION 18
When designing wireless networks, one strategy to consider is implementing security mechanisms at all layers of the OSI model. Which of the following protection mechanisms would protect layer 1?

A. Hardening applications
B. Limit RF coverage
C. Employing firewalls
D. Enabling strong encryption

Answer: B

NEW QUESTION 19
Which of the following is referred to as Electromagnetic Interference (EMI)?

A. Electrical line noise
B. Spike
C. Transient
D. Brownout

Answer: A

NEW QUESTION 22
Your software developer comes to you with an application that controls a user device. The application monitors its own behavior and that of the device and creates log files. The log files are expected to grow steadily and rapidly. Your developer currently has the log files stored in the /bin folder with the application binary. Where would you suggest that the developer store the log files?

A. /var/log
B. /etc/log
C. /usr/log
D. /tmp/log
E. /dev/log

Answer: A

NEW QUESTION 25
Where is the source address located in an IPv4 header?

A. At an offset of 20 bytes
B. At an offset of 8 bytes
C. At an offset of 16 bytes
D. At an offset of 12 bytes

Answer: D

NEW QUESTION 29
Your organization has broken its network into several sections/segments, which are separated by firewalls, ACLs and VLANs. The purpose is to defend segments of the network from potential attacks that originate in a different segment or that attempt to spread across segments.
This style of defense-in-depth protection is best described as which of the following?

A. Uniform protection
B. Protected enclaves
C. Vector-oriented
D. Information-centric

Answer: B

NEW QUESTION 30
Which of the following protocols implements VPN using IPSec?

A. SLIP
B. PPP
C. L2TP
D. PPTP

Answer: C

NEW QUESTION 32
For most organizations, which of the following should be the highest priority when it comes to physical security concerns?

A. Controlling ingress and egress
B. Controlling access to workstations
C. Ensuring employee safety
D. Controlling access to servers
E. Protecting physical assets

Answer: C

NEW QUESTION 37
You are responsible for technical support at a company. One of the employees complains that his new laptop cannot connect to the company wireless network. You have verified that he is entering a valid password/passkey. What is the most likely problem?

A. A firewall is blocking hi
B. His laptop is incompatibl
C. MAC filtering is blocking hi
D. His operating system is incompatibl

Answer: C

NEW QUESTION 40
When discussing access controls, which of the following terms describes the process of determining the activities or functions that an Individual is permitted to perform?

A. Authentication
B. Identification
C. Authorization
D. Validation

Answer: C

NEW QUESTION 43
Which of the following are the types of intrusion detection systems?
Each correct answer represents a complete solution. Choose all that apply.

A. Host-based intrusion detection system (HIDS)
B. Client-based intrusion detection system (CIDS)
C. Server-based intrusion detection system (SIDS)
D. Network intrusion detection system (NIDS)

Answer: AD

NEW QUESTION 47
Why would someone use port 80 for deployment of unauthorized services?

A. Google will detect the service listing on port 80 and post a link, so that people all over the world will surf to the rogue servic
B. If someone were to randomly browse to the rogue port 80 service they could be compromise
C. This is a technique commonly used to perform a denial of service on the local web serve
D. HTTP traffic is usually allowed outbound to port 80 through the firewall in most environment

Answer: D

NEW QUESTION 52
Which of the following applications would be BEST implemented with UDP instead of TCP?

A. A multicast streaming applicatio
B. A web browse
C. A DNS zone transfe
D. A file transfer applicatio

Answer: A

NEW QUESTION 55
In PKI, when someone wants to verify that the certificate is valid, what do they use to decrypt the signature?

A. Receiver's digital signature
B. X.509 certificate CA's private key
C. Secret passphrase
D. CA's public key

Answer: D

NEW QUESTION 57
Which aspect of UNIX systems was process accounting originally developed for?

A. Data warehouse
B. Time sharing
C. Process tracking
D. Real time

Answer: C

NEW QUESTION 59
You are going to upgrade your hard disk's file system from FAT to NTFS. What are the major advantages of the NTFS file system over FAT16 and FAT32 file systems?
Each correct answer represents a complete solution. Choose all that apply.

A. NTFS gives better file security than FAT16 and FAT32.
B. Automatic backu
C. NTFS file system supports for larger hard disk
D. NTFS give improved disk compression than FAT16 and FAT32.

Answer: ACD

NEW QUESTION 62
Which of the following groups represents the most likely source of an asset loss through the inappropriate use of computers?

A. Visitors
B. Customers
C. Employees
D. Hackers

Answer: C

NEW QUESTION 64
What would the file permission example "rwsr-sr-x" translate to in absolute mode?

A. 1755
B. 6755
C. 6645
D. 1644

Answer: B

NEW QUESTION 65
You work as a Network Administrator for McNeil Inc. The company has a Linux-based network. David, a Sales Manager, wants to know the name of the shell that he is currently using. Which of the following commands will he use to accomplish the task?

A. mv $shell
B. echo $shell
C. rm $shell
D. ls $shell

Answer: B

NEW QUESTION 67
With regard to defense-in-depth, which of the following statements about network design principles is correct?

A. A secure network design requires that systems that have access to the Internet should not be accessible from the Internet and that systems accessible from the Internet should not have access to the Interne
B. A secure network design requires that networks utilize VLAN (Virtual LAN) implementations to insure that private and semi-public systems are unable to reach each other without going through a firewal
C. A secure network design will seek to provide an effective administrative structure by providing a single choke-point for the network from which all security controls and restrictions will be enforce
D. A secure network design will seek to separate resources by providing a security boundary between systems that have different network security requirement

Answer: D

NEW QUESTION 72
Which of the following statements about buffer overflow is true?

A. It manages security credentials and public keys for message encryptio
B. It is a collection of files used by Microsoft for software updates released between major service pack release
C. It is a condition in which an application receives more data than it is configured to accep
D. It is a false warning about a viru

Answer: C

NEW QUESTION 76
Who is responsible for deciding the appropriate classification level for data within an organization?

A. Data custodian
B. Security auditor
C. End user
D. Data owner

Answer: B

NEW QUESTION 81
An employee is currently logged into the corporate web server, without permission. You log into the web server as 'admin" and look for the employee's username: "dmaul" using the "who" command. This is what you get back:

```
[user@localhost ~]$ who
admin :0 2010-09-11 06:49
dvader pts/3 2010-09-11 08:07 (localhost.localdomain)
hsolo pts/4 2010-09-11 08:14 (192.168.54.3)
cdooku pts/4 2010-09-11 08:14 (192.168.54.5)
```

A. The contents of the /var/log/messages file has been altered
B. The contents of the bash history file has been altered

C. The contents of the utmp file has been altered
D. The contents of the http logs have been altered

Answer: B

NEW QUESTION 85
What type of malware is a self-contained program that has the ability to copy itself without parasitically infecting other host code?

A. Trojans
B. Boot infectors
C. Viruses
D. Worms

Answer: D

NEW QUESTION 90
Which of the following is a benefit to utilizing Cygwin for Windows?

A. The ability to install a complete Red Hat operating system Install on Window
B. The ability to bring much more powerful scripting capabilities to Window
C. The ability to run a production Apache serve
D. The ability to install a complete Ubuntu operating system install on Window

Answer: A

NEW QUESTION 93
You work as a Network Administrator for Net World Inc. The company has a Linux-based network. You want to mount an SMBFS share from a Linux workstation. Which of the following commands can you use to accomplish the task?
Each correct answer represents a complete solution. Choose two.

A. smbmount
B. mount smb
C. smbfsmount
D. mount -t smbfs

Answer: AD

NEW QUESTION 96
Which of the following proxy servers provides administrative controls over the content?

A. Content filtering web proxy server
B. Caching proxy server
C. Forced proxy server
D. Web proxy server

Answer: A

NEW QUESTION 99
You are doing some analysis of malware on a Unix computer in a closed test network. The IP address of the computer is 192.168.1.120. From a packet capture, you see the malware is attempting to do a DNS query for a server called iamabadserver.com so that it can connect to it. There is no DNS server on the test network to do name resolution. You have another computer, whose IP is 192.168.1.115, available on the test network that you would like for the malware connect to it instead. How do you get the malware to connect to that computer on the test network?

A. You modify the HOSTS file on the computer you want the malware to connect to and add an entry that reads: 192.168.1.120 iamabadserver iamabadserver.com
B. You modify the HOSTS file on the Unix computer your malware is running on and add an entry that reads: 192.168.1.115 iamabadserveriamabadserver.com
C. You modify the HOSTS file on the Unix computer your malware is running on and add an entry that reads: 192.168.1.120 iamabadserver iamabadserver.com
D. You modify the HOSTS file on the computer you want the malware to connect to and add an entry that reads: 192.168.1.115 iamabadserver iamabadserver.com

Answer: B

NEW QUESTION 104
What type of formal document would include the following statement?
Employees are responsible for exercising good judgment regarding the reasonableness of personal use. Individual departments are responsible for creating guidelines concerning personal application of Internet/Intranet/Extranet systems. In the absence of such policies, employees should be guided by departmental policies, and if there is any uncertainty, employees should consult their supervisor or manager.

A. Company privacy statement
B. Remote access policy
C. Acceptable use policy
D. Non-disclosure agreement

Answer: C

NEW QUESTION 109

Which of the following files contains the shadowed password entries in Linux?

A. /etc/passwd
B. /etc/shadow
C. /etc/profile
D. /etc/shdpwd

Answer: B

NEW QUESTION 112
You are an Intrusion Detection Analyst and the system has alerted you to an Event of Interest (EOI) that appears to be activity generated by a worm. You investigate and find that the network traffic was normal. How would this type of alert be categorized?

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

Answer: A

NEW QUESTION 115
SSL session keys are available in which of the following lengths?

A. 40-bit and 128-bi
B. 64-bit and 128-bi
C. 128-bit and 1,024-bi
D. 40-bit and 64-bi

Answer: A

NEW QUESTION 119
A folder D:\Files\Marketing has the following NTFS permissions:
. Administrators: Full Control
. Marketing: Change and Authenticated
. Users: Read
It has been shared on the server as "MARKETING", with the following share permissions:
. Full Control share permissions for the Marketing group
Which of the following effective permissions apply if a user from the Sales group accesses the \\FILESERVER\MARKETING shared folder?

A. No access
B. Full Control
C. Read
D. Change

Answer: C

NEW QUESTION 120
You are reviewing a packet capture file from your network intrusion detection system. In the packet stream, you come across a long series of "no operation" (NOP) commands. In addition to the NOP commands, there appears to be a malicious payload. Of the following, which is the most appropriate preventative measure for this type of attack?

A. Limits on the number of failed logins
B. Boundary checks on program inputs
C. Controls against time of check/time of use attacks
D. Restrictions on file permissions

Answer: C

NEW QUESTION 121
Which of the following is required to be backed up on a domain controller to recover Active Directory?

A. System state data
B. Operating System files
C. User's personal data
D. Installed third party application's folders

Answer: A

NEW QUESTION 122
Which of the following commands is used to change file access permissions in Linux?

A. chgrp
B. chperm
C. chmod
D. chown

Answer: C

NEW QUESTION 127
Which of the following is a standard Unix command that would most likely be used to copy raw file system data for later forensic analysis?

A. dd
B. backup
C. cp
D. gzip

Answer: A

NEW QUESTION 131
How often is session information sent to the web server from the browser once the session information has been established?

A. With any change in session data
B. With every subsequent request
C. With any hidden form element data
D. With the initial request to register the session

Answer: A

NEW QUESTION 134
What is the name of the command-line tool for Windows that can be used to manage audit policies on remote systems?

A. SECEDTT.EXE
B. POLCLI.EXE
C. REMOTEAUDIT.EXE
D. AUDITPOL.EXE

Answer: D

NEW QUESTION 138
When you log into your Windows desktop what information does your Security Access Token (SAT) contain?

A. The Security ID numbers (SIDs) of all the groups to which you belong
B. A list of cached authentications
C. A list of your domain privileges
D. The Security ID numbers (SIDs) of all authenticated local users

Answer: C

NEW QUESTION 140
Your CIO has found out that it is possible for an attacker to clone your company's RFID (Radio Frequency ID) based key cards. The CIO has tasked you with finding a way to ensure that anyone entering the building is an employee. Which of the following authentication types would be the appropriate solution to this problem?

A. Mandatory Access Controls
B. Bell-LaPadula
C. Two-Factor
D. TACACS

Answer: C

NEW QUESTION 141
An attacker gained physical access to an internal computer to access company proprietary
data. The facility is protected by a fingerprint biometric system that records both failed and successful entry attempts. No failures were logged during the time periods of the recent breach. The account used when the attacker entered the facility shortly before each incident belongs to an employee who was out of the area. With respect to the biometric entry system, which of the following actions will help mitigate unauthorized physical access to the facility?

A. Try raising the Crossover Error Rate (CER)
B. Try to lower the False Accept Rate (FAR)
C. Try setting the Equal Error Rate (EER) to zero
D. Try to set a lower False Reject Rate (FRR)

Answer: B

NEW QUESTION 142
CORRECT TEXT
Fill in the blank with the correct answer to complete the statement below.
The permission is the minimum required permission that is necessary for a user to enter a directory and list its contents.

A.

Answer: Read

NEW QUESTION 144
Which of the following describes software technologies that improve portability, manageability, and compatibility of applications by encapsulating them from the underlying operating system on which they are executed?

A. System registry
B. Group Policy
C. Application virtualization
D. System control

Answer: C

NEW QUESTION 149
Which access control mechanism requires a high amount of maintenance since all data must be classified, and all users granted appropriate clearance?

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

Answer: A

NEW QUESTION 153
When a host on a remote network performs a DNS lookup of www.google.com, which of the following is likely to provide an Authoritative reply?

A. The local DNS server
B. The top-level DNS server for .com
C. The DNS server for google.com
D. The root DNS server

Answer: A

NEW QUESTION 158
The process of enumerating all hosts on a network defines which of the following activities?

A. Port scanning
B. Vulnerability scanning
C. GPS mapping
D. Network mapping

Answer: D

NEW QUESTION 160
Which of the following applications cannot proactively detect anomalies related to a computer?

A. Firewall installed on the computer
B. NIDS
C. HIDS
D. Anti-virus scanner

Answer: B

NEW QUESTION 165
Which of the following is an UDP based protocol?

A. telnet
B. SNMP
C. IMAP
D. LDAP

Answer: B

NEW QUESTION 167
Which of the following protocols describes the operation of security In H.323? A. H.239

A. H.245
B. H.235
C. H.225

Answer: C

NEW QUESTION 169
Which of the following protocols provides maintenance and error reporting function?

A. UDP
B. ICMP

C. PPP
D. IGMP

Answer: B

NEW QUESTION 172
Which of the following ports is the default port for Layer 2 Tunneling Protocol (L2TP)?

A. TCP port 443
B. UDP port 161
C. TCP port 110
D. UDP port 1701

Answer: D

NEW QUESTION 173
Which of the following is an advantage of a Host Intrusion Detection System (HIDS) versus a Network Intrusion Detection System (NIDS)?

A. Ability to detect malicious traffic after it has been decrypted by the host
B. Ability to decrypt network traffic
C. Ability to listen to network traffic at the perimeter
D. Ability to detect malicious traffic before it has been decrypted

Answer: A

NEW QUESTION 176
Which of the following TCP dump output lines indicates the first step in the TCP 3-way handshake?

A. 07:09:43.368615 download.net 39904 > ftp.com.21: S 733381829:733381829(0) win 8760 <mss 1460> (DF)
B. 07:09:43.370302 ftp.com.21 > download.net.39904: S 1192930639:1192930639(0} ack 733381830 win 1024 <mss 1460> (DF)
C. 09:09:22.346383 ftp.com.21 > download.net.39904: , rst 1 win 2440(DF)
D. 07:09:43.370355 download.net.39904 > ftp.com.21: , ack 1 win 8760 (DF)

Answer: A

NEW QUESTION 177
Which of the following attack vectors are addressed by Xinetd and TCP Wrappers?

A. Outsider attack from network
B. Outsider attack from a telephone
C. Insider attack from local network
D. Attack from previously installed malicious code
E. A and B
F. A and C
G. B and D
H. C and D

Answer: B

NEW QUESTION 182
Which of the following areas of a network contains DNS servers and Web servers for Internet users?

A. VPN
B. MMZ
C. VLAN
D. DMZ

Answer: D

NEW QUESTION 183
Which of the following is more commonly used for establishing high-speed backbones that interconnect smaller networks and can carry signals over significant distances?

A. Bluetooth
B. Ethernet
C. Token ring
D. Asynchronous Transfer Mode (ATM)

Answer: D

NEW QUESTION 187
You work as a Network Administrator for NetTech Inc. When you enter http://66.111.64.227 in the browser's address bar, you are able to access the site. But, you are unable to access the site when you enter http://www.uCertify.com. What is the most likely cause?

A. DNS entry is not available for the host nam

B. The site's Web server is offlin
C. The site's Web server has heavy traffi
D. WINS server has no NetBIOS name entry for the serve

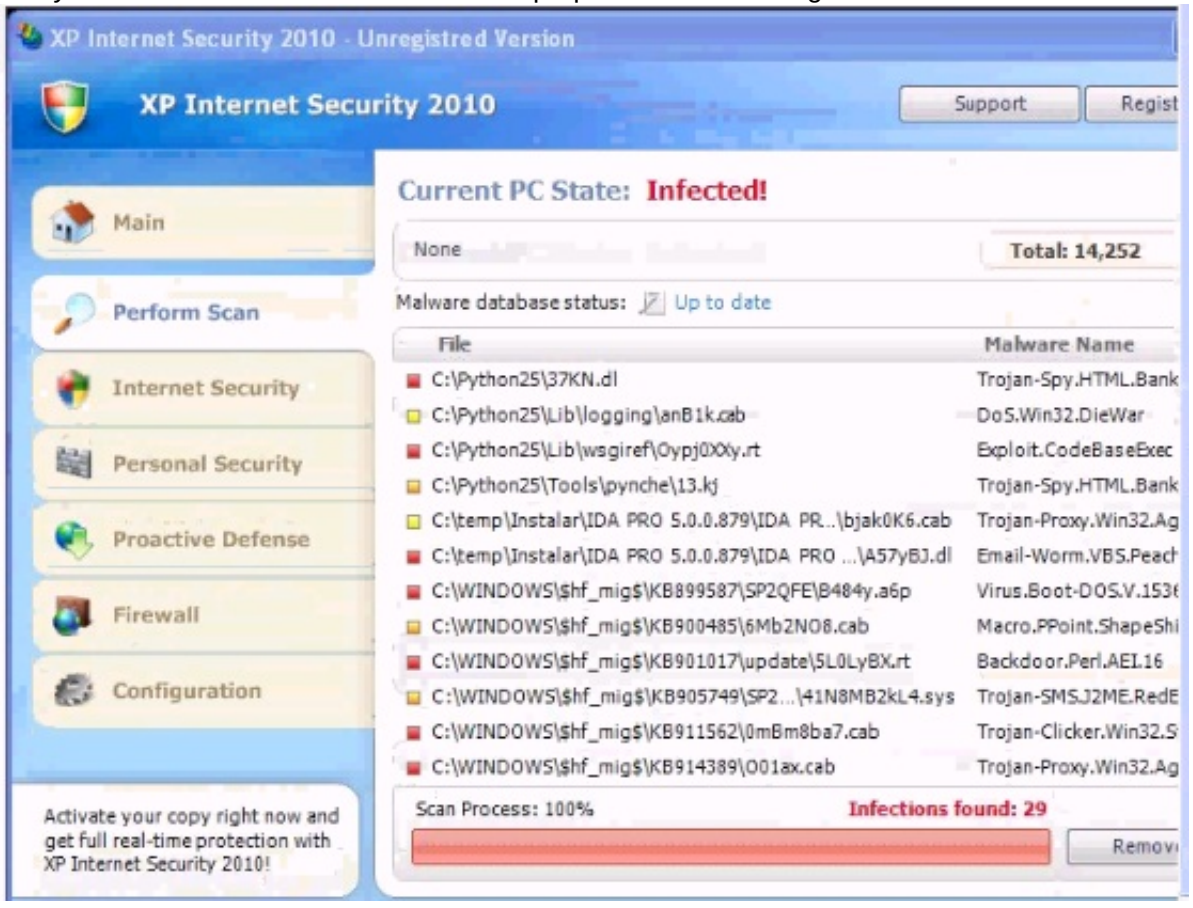
Answer: A

NEW QUESTION 192
You work as a Network Administrator for McNeil Inc. The company has a Windows Server 2008 network environment. The network is configured as a Windows Active Directory-based single forest domain-based network. The company's management has decided to provide laptops to its sales team members. These laptops are equipped with smart card readers. The laptops will be configured as wireless network clients. You are required to accomplish the following tasks:
The wireless network communication should be secured.
The laptop users should be able to use smart cards for getting authenticated. In order to accomplish the tasks, you take the following steps:
Configure 802.1x and WEP for the wireless connections. Configure the PEAP-MS-CHAP v2 protocol for authentication. What will happen after you have taken these steps?

A. The laptop users will be able to use smart cards for getting authenticate
B. Both tasks will be accomplishe
C. None of the tasks will be accomplishe
D. The wireless network communication will be secure

Answer: D

NEW QUESTION 194
Analyze the screenshot below. What is the purpose of this message?



A. To gather non-specific vulnerability information
B. To get the user to download malicious software
C. To test the browser plugins for compatibility
D. To alert the user to infected software on the compute

Answer: D

NEW QUESTION 195
What type of attack can be performed against a wireless network using the tool Kismet?

A. IP spoofing
B. Eavesdropping
C. Masquerading
D. Denial of Service

Answer: B

NEW QUESTION 200
You have set up a local area network for your company. Your firewall separates your network into several sections: a DMZ with semi-public servers (web, dns, email) and an intranet with private servers. A penetration tester gains access to both sections and installs sniffers in each. He is able to capture network traffic for all the devices in the private section but only for one device (the device with the sniffer) in the DMZ. What can be inferred about the design of the system?

A. You installed a router in the private section and a switch in the DMZ
B. You installed a hub in the private section and a switch in the DMZ
C. You installed a switch in the private section and a hub in the DMZ
D. You installed a switch in the private section and a router in the DMZ

Answer: B

NEW QUESTION 202
You work as a Network Administrator for Tech Perfect Inc. The company has a TCP/IP-based network. You have configured a firewall on the network. A filter has been applied to block all the ports. You want to enable sending and receiving of emails on the network. Which of the following ports will you open?
Each correct answer represents a complete solution. Choose two.

A. 80
B. 25
C. 20
D. 110

Answer: BD

NEW QUESTION 204
You work as a Network Administrator for Tech2tech Inc. You have configured a network-based IDS for your company. You have physically installed sensors at all key positions throughout the network such that they all report to the command console.
What will be the key functions of the sensors in such a physical layout?
Each correct answer represents a complete solution. Choose all that apply.

A. To collect data from operating system logs
B. To notify the console with an alert if any intrusion is detected
C. To analyze for known signatures
D. To collect data from Web servers

Answer: BC

NEW QUESTION 207
The Return on Investment (ROI) measurement used in Information Technology and Information Security fields is typically calculated with which formula?

A. ROI = (gain - expenditure)/(expenditure) X 100%
B. ROI = (gain + expenditure)/(expenditure) X 100%
C. ROI = (loss + expenditure)/(expenditure) X 100%
D. ROI = (loss - expenditure)/(expenditure) X 100%

Answer: A

NEW QUESTION 209
What is the unnoticed theft of sensitive data from a laptop owned by an organization's CEO an example of in information warfare?

A. Non-zero sum game
B. Win-win situation
C. Zero-sum game
D. Symmetric warfare

Answer: D

NEW QUESTION 213
Why are false positives such a problem with IPS technology?

A. File integrity is not guarantee
B. Malicious code can get into the networ
C. Legitimate services are not delivere
D. Rules are often misinterprete

Answer: D

NEW QUESTION 218
Which of the following are advantages of Network Intrusion Detection Systems (NIDS)?

A. Analysis of encrypted traffic
B. Provide insight into network traffic
C. Detection of network operations problems
D. Provide logs of network traffic that can be used as part of other security measure
E. Inexpensive to manage
F. B, C, and D
G. A, C, and E
H. B, D, and E
I. A, B, and C

Answer: C

NEW QUESTION 222
There are three key factors in selecting a biometric mechanism. What are they?

A. Reliability, encryption strength, and cost
B. Encryption strength, authorization method, and cost
C. Reliability, user acceptance, and cost
D. User acceptance, encryption strength, and cost

Answer: C

NEW QUESTION 225
If the NET_ID of the source and destination address in an IP (Internet Protocol) packet match, which answer BEST describes the routing method the sending host will use?

A. Local (or direct) routing
B. Circuit switch routing
C. Dynamic (or changeable) routing
D. Remote (or indirect) routing

Answer: A

NEW QUESTION 229
Which of the following is a signature-based intrusion detection system (IDS) ?

A. RealSecure
B. Snort
C. StealthWatch
D. Tripwire

Answer: B

NEW QUESTION 233
Which of the following is a characteristic of hash operations?

A. Asymmetric
B. Non-reversible
C. Symmetric
D. Variable length output

Answer: D

NEW QUESTION 237
Validating which vulnerabilities in a network environment are able to be exploited by an attacker is called what?

A. Anomaly detection
B. Vulnerability scanning
C. Perimeter assessment
D. Penetration testing

Answer: B

NEW QUESTION 241
Which of the following heights of fence deters only casual trespassers?

A. 8 feet
B. 2 to 2.5 feet
C. 6 to 7 feet
D. 3 to 4 feet

Answer: D

NEW QUESTION 246
Which of the following features of Windows 7 allows an administrator to both passively review installed software and configure policies to prevent out-of-date or insecure software from running?

A. Direct Access
B. Software Restriction Policies
C. App Locker
D. User Account Control

Answer: C

NEW QUESTION 251
Which of the following quantifies the effects of a potential disaster over a period of time?

A. Risk Assessment
B. Business Impact Analysis
C. Disaster Recovery Planning

D. Lessons Learned

Answer: B

NEW QUESTION 254
Which of the following processes is known as sanitization?

A. Assessing the risk involved in discarding particular informatio
B. Verifying the identity of a person, network host, or system proces
C. Physically destroying the media and the information stored on i
D. Removing the content from the media so that it is difficult to restor

Answer: D

NEW QUESTION 258
Which of the following defines the communication link between a Web server and Web applications?

A. CGI
B. PGP
C. Firewall
D. IETF

Answer: A

NEW QUESTION 259
In addition to securing the operating system of production honey pot hosts, what is recommended to prevent the honey pots from assuming the identities of production systems that could result in the denial of service for legitimate users?

A. Deploy the honey pot hosts as physically close as possible to production system
B. Deploy the honey pot hosts in an unused part of your address spac
C. Deploy the honey pot hosts to only respond to attack
D. Deploy the honey pot hosts on used address spac

Answer: B

NEW QUESTION 264
Which of the following TCP packet flags indicates that host should IMMEDIATELY terminate the connection containing the packet?

A. FIN
B. URG
C. SYN
D. RST

Answer: D

NEW QUESTION 269
Which of the following are network connectivity devices?
Each correct answer represents a complete solution. Choose all that apply.

A. Network analyzer
B. Bridge
C. Brouter
D. Firewall
E. Repeater
F. Hub

Answer: BCEF

NEW QUESTION 272
Which of the following protocols are used to provide secure communication between a client and a server over the Internet?
Each correct answer represents a part of the solution. Choose two.

A. SSL
B. HTTP
C. TLS
D. SNMP

Answer: AC

NEW QUESTION 275
Your system has been infected by malware. Upon investigation, you discover that the malware propagated primarily via email. The malware attacked known vulnerabilities for which patches are available, but due to problems with your configuration management system you have no way to know which systems have been patched and which haven't, slowing your progress in patching your network. Of the following, which solution would you use to protect against this propagation vector?

A. Encrypt the emails on the server
B. Scan and block suspect email attachments at the email server
C. Install a firewall between the email server and the Internet
D. Separate the email server from the trusted portions of the network

Answer: B

NEW QUESTION 279
When a packet leaving the network undergoes Network Address Translation (NAT), which of the following is changed?

A. TCP Sequence Number
B. Source address
C. Destination port
D. Destination address

Answer: B

NEW QUESTION 284
Which Windows event log would you look in if you wanted information about whether or not a specific diver was running at start up?

A. Application
B. System
C. Startup
D. Security

Answer: B

NEW QUESTION 285
A Host-based Intrusion Prevention System (HIPS) software vendor records how the Firefox Web browser interacts with the operating system and other applications, and identifies all areas of Firefox functionality. After collecting all the data about how Firefox should work, a database is created with this information, and it is fed into the HIPS software. The HIPS then monitors Firefox whenever it's in use. What feature of HIPS is being described in this scenario?

A. Signature Matching
B. Application Behavior Monitoring
C. Host Based Sniffing
D. Application Action Modeling

Answer: B

NEW QUESTION 289
You are examining an IP packet with a header of 40 bytes in length and the value at byte 0 of the packet header is 6. Which of the following describes this packet?

A. This is an IPv4 packet; the protocol encapsulated in the payload is unspecifie
B. This is an IPv4 packet with a TCP payloa
C. This is an IPv6 packet; the protocol encapsulated in the payload is unspecifie
D. This is an IPv6 packet with a TCP payloa

Answer: C

NEW QUESTION 294
Which of the following is a benefit of using John the Ripper for auditing passwords?

A. John's Blowfish cracking routine uses a complex central computing loop that increases the cost of each hash computatio
B. John the Ripper is much slower for auditing passwords encrypted with MD5 and Blowfis
C. John's MD5 cracking routine uses a simplified central computing loop that decreases the cost of each hash computatio
D. John cannot use the DES bit-slicing technique, so it is much slower than other tools, especially when used against DES-encrypted password

Answer: C

NEW QUESTION 296
John works as a Network Administrator for Perfect Solutions Inc. The company has a Linux-based network. John is working as a root user on the Linux operating system. He wants to change the modified date and time of the file private.txt to 11 Nov 2009 02:59:58 am. Which of the following commands will John use to accomplish his task?
Each correct answer represents a complete solution. Choose all that apply.

A. rm private.txt #11 Nov 2009 02:59:58 am
B. touch -d "11 Nov 2009 02:59:58 am" private.txt
C. touch private.txt #11 Nov 2009 02:59:58 am
D. touch -t 200911110259.58 private.txt

Answer: BD

NEW QUESTION 300
You work as a Network Administrator for Net Perfect Inc. The company has a Linux-based
network. You have created a folder named Report. You have made David the owner of the folder. The members of a group named JAdmin can access the folder

and have Read, Write, and Execute permissions. No other user can access the folder. You want to ensure that the members of the JAdmin group do not have Write permission on the folder. Also, you want other users to have Read permission on the Report folder.
Which of the following commands will you use to accomplish the task?

A. chmod 777 report
B. chown david.jadmin report
C. chmod 555 report
D. chmod 754 report

Answer: D

NEW QUESTION 304
IPS devices that are classified as "In-line NIDS" devices use a combination of anomaly analysis, signature-based rules, and what else to identify malicious events on the network?

A. Firewall compatibility rules
B. Application analysis
C. ICMP and UDP active scanning
D. MAC address filtering

Answer: B

NEW QUESTION 307
You work as a Network Administrator for NetTech Inc. To ensure the security of files, you encrypt data files using Encrypting File System (EFS). You want to make a backup copy of the files and maintain security settings. You can backup the files either to a network share or a floppy disk. What will you do to accomplish this?

A. Copy the files to a network share on an NTFS volum
B. Copy the files to a network share on a FAT32 volum
C. Place the files in an encrypted folde
D. Then, copy the folder to a floppy dis
E. Copy the files to a floppy disk that has been formatted using Windows 2000 Professiona

Answer: A

NEW QUESTION 310
During which of the following steps is the public/private key-pair generated for Public Key Infrastructure (PKI)?

A. Key Recovery
B. Initialization
C. Registration
D. Certification

Answer: B

NEW QUESTION 315
The TTL can be found in which protocol header?

A. It is found in byte 8 of the ICMP heade
B. It is found in byte 8 of the IP heade
C. It is found in byte 8 of the TCP heade
D. It is found in byte 8 of the DNS heade

Answer: B

NEW QUESTION 317
What does the "x" character in the second field of the user account record of the /etc/passwd file indicate?

A. The user account is using a shadow passwor
B. The user account is shared by more than one use
C. The user account is disable
D. The user account does not exis

Answer: A

NEW QUESTION 321
Which of the following tools is used to configure, control, and query the TCP/IP network interface parameters?

A. NSLOOKUP
B. IPCONFIG
C. ARP
D. IFCONFIG

Answer: D

NEW QUESTION 322

If a DNS client wants to look up the IP address for good.news.com and does not receive an authoritative reply from its local DNS server, which name server is most likely to provide an authoritative reply?

A. The news.com domain name server
B. The .com (top-level) domain name server
C. The .(root-level) domain name server
D. The .gov (top-level) domain name server

Answer: A

NEW QUESTION 323
You work as a Network Administrator for Net World Inc. The company has a Linux-based network. For testing purposes, you have configured a default IP-table with several filtering rules. You want to reconfigure the table. For this, you decide to remove the rules from all the chains in the table. Which of the following commands will you use?

A. IPTABLES -D
B. IPTABLES -A
C. IPTABLES -h
D. IPTABLES -F

Answer: D

NEW QUESTION 328
What is the following sequence of packets demonstrating?

A. telnet.com.telnet > client.com.38060: F 4289:4289(0) ack 92 win 1024
B. client.com.38060 > telnet.com.telnet: .ack 4290 win 8760 (DF)
C. client.com.38060 > telnet.com.telnet: F 92:92(0) ack 4290 win 8760 (DF)
D. telnet.com.telnet > client.com.38060: .ack 93 win 1024

Answer: C

NEW QUESTION 331
In order to capture traffic for analysis, Network Intrusion Detection Systems (NIDS) operate with network cards in what mode?

A. Discrete
B. Reporting
C. Promiscuous
D. Alert

Answer: C

NEW QUESTION 334
The following three steps belong to the chain of custody for federal rules of evidence. What additional step is recommended between steps 2 and 3?
STEP 1 - Take notes: who, what, where, when and record serial numbers of machine(s) in question.
STEP 2 - Do a binary backup if data is being collected.
STEP 3 - Deliver collected evidence to law enforcement officials.

A. Rebuild the original hard drive from scratch, and sign and seal the good backup in a plastic ba
B. Conduct a forensic analysis of all evidence collected BEFORE starting the chain of custod
C. Take photographs of all persons who have had access to the compute
D. Check the backup integrity using a checksum utility like MD5, and sign and seal each piece of collected evidence in a plastic ba

Answer: D

NEW QUESTION 338
While using Wire shark to investigate complaints of users being unable to login to a web application, you come across an HTTP POST submitted through your web application. The contents of the POST are listed below. Based on what you see below, which of the following would you recommend to prevent future damage to your database?

```
POST /samplelogin.cfm HTTP/1.1
Host: www.example.com
User-Agent: Mozilla/5.0 (X11; U; en-US;) Gecko/200910 Ubuntu/8.4
Firefox/2.6
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-us,en;q=0.5
Accept-Encoding: gzip,deflate
Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7
Keep-Alive: 300
Connection: keep-alive
Referer: http://www.example.com/
Cookie: SID=026DCB9CBBF2339C2CBFAEBA8F1DD656;
Content-Type: application/x-www-form-urlencoded
Content-Length: 64
username='a'&password=DROP+TABLE+members;+--
```

A. Use ssh to prevent a denial of service attack
B. Sanitize user inputs to prevent injection attacks
C. Authenticate users to prevent hackers from using your database
D. Use https to prevent hackers from inserting malware

Answer: D

NEW QUESTION 340
Which of the following books deals with confidentiality?

A. Purple Book
B. Orange Book
C. Red Book
D. Brown Book

Answer: B

NEW QUESTION 345
What would the following IP tables command do?
IP tables -I INPUT -s 99.23.45.1/32 -j DROP

A. Drop all packets from the source address
B. Input all packers to the source address
C. Log all packets to or from the specified address
D. Drop all packets to the specified address

Answer: A

NEW QUESTION 347
John works as a professional Ethical Hacker. He is assigned a project to test the security of www.we- are-secure.com. He installs a rootkit on the Linux server of the We-are-secure network. Which of the following statements are true about rootkits?
Each correct answer represents a complete solution. Choose all that apply.

A. They allow an attacker to conduct a buffer overflo
B. They allow an attacker to set a Trojan in the operating system and thus open a backdoor for anytime acces
C. They allow an attacker to replace utility programs that can be used to detect the attacker's activit
D. They allow an attacker to run packet sniffers secretly to capture password

Answer: BCD

NEW QUESTION 352
Which of the following is a new Windows Server 2008 feature for the Remote Desktop Protocol (RDP)?

A. The ability to allow the administrator to choose a port other than the default RDP port (TCP 3389)
B. The ability to support connections from mobile devices like smart phones
C. The ability to allow clients to authenticate over TLS
D. The ability to allow clients to execute individual applications rather than using a terminal desktop

Answer: D

NEW QUESTION 356
The previous system administrator at your company used to rely heavily on email lists, such as vendor lists and Bug Traq to get information about updates and patches. While a useful means of acquiring data, this requires time and effort to read through. In an effort to speed things up, you decide to switch to completely automated updates and patching. You set up your systems to automatically patch your production servers using a cron job and a scripted apt-get upgrade command. Of the following reasons, which explains why you may want to avoid this plan?

A. The apt-get upgrade command doesn't work with the cron command because of incompatibility
B. Relying on vendor and 3rd party email lists enables updates via email, for even faster patching
C. Automated patching of production servers without prior testing may result in unexpected behavior or failures
D. The command apt-get upgrade is incorrect, you need to run the apt-get update command

Answer: D

NEW QUESTION 358
Included below is the output from a resource kit utility run against local host.
Which command could have produced this output?

```
Image Name                     PID Session Name        Session#    Mem Usage
========================= ====== ================ ======== ============
System Idle Process              0 Console                    0         28 K
System                           4 Console                    0        244 K
smss.exe                       648 Console                    0        420 K
csrss.exe                      960 Console                    0      5,252 K
winlogon.exe                  1000 Console                    0      7,576 K
```

A. Schtasks
B. Task kill
C. SC
D. Task list

Answer: D

NEW QUESTION 359
An IT security manager is trying to quickly assess the risks associated with not implementing a corporate firewall system. What sort of risk assessment is most appropriate?

A. Annualized Risk Assessment
B. Qualitative risk assessment
C. Quantitative risk assessment
D. Technical Risk Assessment
E. Iterative Risk Assessment

Answer: B

NEW QUESTION 363
What are the two actions the receiver of a PGP email message can perform that allows establishment of trust between sender and receiver?

A. Decode the message by decrypting the asymmetric key with his private key, then using the asymmetric key to decrypt the messag
B. Decode the message by decrypting the symmetric key with his private key, then using the symmetric key to decrypt the messag
C. Decode the message by decrypting the symmetric key with his public key, then using the symmetric key to decrypt the messag
D. Decrypt the message by encrypting the digital signature with his private key, then using the digital signature to decrypt the messag

Answer: A

NEW QUESTION 366
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