

Exam Questions 312-38

EC-Council Network Security Administrator (ENSA)

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NEW QUESTION 1

John wants to implement a packet filtering firewall in his organization's network. What TCP/IP layer does a packet filtering firewall work on?

- A. Application layer
- B. Network Interface layer
- C. TCP layer
- D. IP layer

Answer: D

NEW QUESTION 2

The bank where you work has 600 windows computers and 400 Red Hat computers which primarily serve as bank teller consoles. You have created a plan and deployed all the patches to the Windows computers and you are now working on updating the Red Hat computers. What command should you run on the network to update the Red Hat computers, download the security package, force the package installation, and update all currently installed packages?

- A. You should run the `up2date -d -f -u` command
- B. You should run the `up2data -u` command
- C. You should run the `WSUS -d -f -u` command.
- D. You should type the `sysupdate -d` command

Answer: A

NEW QUESTION 3

Chris is a senior network administrator. Chris wants to measure the Key Risk Indicator (KRI) to assess the organization. Why is Chris calculating the KRI for his organization? It helps Chris to:

- A. Identifies adverse events
- B. Facilitates backward
- C. Facilitates post Incident management
- D. Notifies when risk has reached threshold levels

Answer: AD

NEW QUESTION 4

Fred is a network technician working for Johnson Services, a temporary employment agency in Boston. Johnson Services has three remote offices in New England and the headquarters in Boston where Fred works.

The company relies on a number of customized applications to perform daily tasks and unfortunately these applications require users to be local administrators. Because of this, Fred's supervisor wants to implement tighter security measures in other areas to compensate for the inherent risks in making those users local admins. Fred's boss wants a solution that will be placed on all computers throughout the company and monitored by Fred. This solution will gather information on all network traffic to and from the local computers without actually affecting the traffic. What type of solution does Fred's boss want to implement?

- A. Fred's boss wants a NIDS implementation.
- B. Fred's boss wants Fred to monitor a NIPS system.
- C. Fred's boss wants to implement a HIPS solution.
- D. Fred's boss wants to implement a HIDS solution.

Answer: D

NEW QUESTION 5

Daniel is giving training on designing and implementing a security policy in the organization. He is explaining the hierarchy of the security policy which demonstrates how policies are drafted, designed and implemented.

What is the correct hierarchy for a security policy implementation?

- A. Laws, Policies, Regulations, Procedures and Standards
- B. Regulations, Policies, Laws, Standards and Procedures
- C. Laws, Regulations, Policies, Standards and Procedures
- D. Procedures, Policies, Laws, Standards and Regulations

Answer: C

NEW QUESTION 6

Stephanie is currently setting up email security so all company data is secured when passed through email. Stephanie first sets up encryption to make sure that a specific user's email is protected. Next, she needs to ensure that the incoming and the outgoing mail has not been modified or altered using digital signatures. What is Stephanie working on?

- A. Usability
- B. Data Integrity
- C. Availability
- D. Confidentiality

Answer: B

NEW QUESTION 7

Tom works as a network administrator in a multinational organization having branches across North America and Europe. Tom wants to implement a storage technology that can provide centralized data storage and provide free data backup on the server. He should be able to perform data backup and recovery more efficiently with the selected technology. Which of the following storage technologies best suits Tom's requirements?

- A. DAS
- B. PAS
- C. RAID
- D. NAS

Answer: D

NEW QUESTION 8

Kelly is taking backups of the organization's data. Currently, he is taking backups of only those files which are created or modified after the last backup. What type of backup is Kelly using?

- A. Full backup
- B. Incremental backup
- C. Differential Backup
- D. Normal Backup

Answer: B

NEW QUESTION 9

Sam, a network administrator is using Wireshark to monitor the network traffic of the organization. He wants to detect TCP packets with no flag set to check for a specific attack attempt. Which filter will he use to view the traffic?

- A. `Tcp.flags==0x000`
- B. `Tcp.flags==0000x`
- C. `Tcp.flags==000x0`
- D. `Tcp.flags==x0000`

Answer: A

NEW QUESTION 10

Management wants to calculate the risk factor for their organization. Kevin, a network administrator in the organization knows how to calculate the risk factor. Certain parameters are required before calculating risk factor. What are they? (Select all that apply) Risk factor =.....X.....X.....

- A. Vulnerability
- B. Impact
- C. Attack
- D. Threat

Answer: ABD

NEW QUESTION 10

Ross manages 30 employees and only 25 computers in the organization. The network the company uses is a peer-to-peer. Ross configures access control measures allowing the employees to set their own control measures for their files and folders. Which access control did Ross implement?

- A. Discretionary access control
- B. Mandatory access control
- C. Non-discretionary access control
- D. Role-based access control

Answer: A

NEW QUESTION 13

Geon Solutions INC., had only 10 employees when it started. But as business grew, the organization had to increase the amount of staff. The network administrator is finding it difficult to accommodate an increasing number of employees in the existing network topology. So the organization is planning to implement a new topology where it will be easy to accommodate an increasing number of employees. Which network topology will help the administrator solve the problem of needing to add new employees and expand?

- A. Bus
- B. Star
- C. Ring
- D. Mesh

Answer: B

NEW QUESTION 18

An US-based organization decided to implement a RAID storage technology for their data backup plan. John wants to setup a RAID level that require a minimum of six drives but will meet high fault tolerance and with a high speed for the data read and write operations. What RAID level is John considering to meet this requirement?

- A. RAID level 1
- B. RAID level 10
- C. RAID level 5
- D. RAID level 50

Answer: D

NEW QUESTION 20

Harry has sued the company claiming they made his personal information public on a social networking site in the United States. The company denies the allegations and consulted a/an _____ for legal advice to defend them against this allegation.

- A. PR Specialist
- B. Attorney
- C. Incident Handler
- D. Evidence Manager

Answer: B

NEW QUESTION 21

An enterprise recently moved to a new office and the new neighborhood is a little risky. The CEO wants to monitor the physical perimeter and the entrance doors 24 hours. What is the best option to do this job?

- A. Install a CCTV with cameras pointing to the entrance doors and the street
- B. Use fences in the entrance doors
- C. Use lights in all the entrance doors and along the company's perimeter
- D. Use an IDS in the entrance doors and install some of them near the corners

Answer: A

NEW QUESTION 24

Larry is responsible for the company's network consisting of 300 workstations and 25 servers. After using a hosted email service for a year, the company wants to control the email internally. Larry likes this idea because it will give him more control over the email. Larry wants to purchase a server for email but does not want the server to be on the internal network due to the potential to cause security risks. He decides to place the server outside of the company's internal firewall. There is another firewall connected directly to the Internet that will protect traffic from accessing the email server. The server will be placed between the two firewalls. What logical area is Larry putting the new email server into?

- A. He is going to place the server in a Demilitarized Zone (DMZ)
- B. He will put the email server in an IPsec zone.
- C. Larry is going to put the email server in a hot-server zone.
- D. For security reasons, Larry is going to place the email server in the company's Logical Buffer Zone (LBZ).

Answer: A

NEW QUESTION 27

Mark is monitoring the network traffic on his organization's network. He wants to detect a TCP and UDP ping sweep on his network. Which type of filter will be used to detect this on the network?

- A. Tcp.srcport==7 and udp.srcport==7
- B. Tcp.srcport==7 and udp.dstport==7
- C. Tcp.dstport==7 and udp.srcport==7
- D. Tcp.dstport==7 and udp.dstport==7

Answer: D

NEW QUESTION 28

-----is a group of broadband wireless communications standards for Metropolitan Area Networks (MANs)

- A. 802.15
- B. 802.16
- C. 802.15.4
- D. 802.12

Answer: B

NEW QUESTION 32

Malone is finishing up his incident handling plan for IT before giving it to his boss for review. He is outlining the incident response methodology and the steps that are involved. What is the last step he should list?

- A. Assign eradication.
- B. Recovery
- C. Containment
- D. A follow-up.

Answer: D

NEW QUESTION 35

Will is working as a Network Administrator. Management wants to maintain a backup of all the company data as soon as it starts operations. They decided to use a RAID backup storage technology for their data backup plan. To implement the RAID data backup storage, Will sets up a pair of RAID disks so that all the data written to one disk is copied automatically to the other disk as well. This maintains an additional copy of the data.

Which RAID level is used here?

- A. RAID 3
- B. RAID 1
- C. RAID 5
- D. RAID 0

Answer: B

NEW QUESTION 40

Liza was told by her network administrator that they will be implementing IPsec VPN tunnels to connect the branch locations to the main office. What layer of the OSI model do IPsec tunnels function on?

- A. The data link layer
- B. The session layer
- C. The network layer
- D. The application and physical layers

Answer: C

NEW QUESTION 42

Stephanie is currently setting up email security so all company data is secured when passed through email. Stephanie first sets up encryption to make sure that a specific user's email is protected. Next, she needs to ensure that the incoming and the outgoing mail has not been modified or altered using digital signatures. What is Stephanie working on?

- A. Confidentiality
- B. Availability
- C. Data Integrity
- D. Usability

Answer: C

NEW QUESTION 46

The agency Jacob works for stores and transmits vast amounts of sensitive government data that cannot be compromised. Jacob has implemented Encapsulating Security Payload (ESP) to encrypt IP traffic. Jacob wants to encrypt the IP traffic by inserting the ESP header in the IP datagram before the transport layer protocol header. What mode of ESP does Jacob need to use to encrypt the IP traffic?

- A. He should use ESP in transport mode.
- B. Jacob should utilize ESP in tunnel mode.
- C. Jacob should use ESP in pass-through mode.
- D. He should use ESP in gateway mode

Answer: B

NEW QUESTION 48

Paul is a network security technician working on a contract for a laptop manufacturing company in Chicago. He has focused primarily on securing network devices, firewalls, and traffic traversing in and out of the network. He just finished setting up a server a gateway between the internal private network and the outside public network. This server will act as a proxy, limited amount of services, and will filter packets. What is this type of server called?

- A. Bastion host
- B. Edge transport server
- C. SOCKS hsot
- D. Session layer firewall

Answer: A

NEW QUESTION 53

Alex is administrating the firewall in the organization's network. What command will he use to check all the remote addresses and ports in numerical form?

- A. Netstat -o
- B. Netstat -a
- C. Netstat -ao
- D. Netstat -an

Answer: D

NEW QUESTION 58

Rick has implemented several firewalls and IDS systems across his enterprise network. What should he do to effectively correlate all incidents that pass through these security controls?

- A. Use firewalls in Network Address Transition (NAT) mode
- B. Implement IPsec
- C. Implement Simple Network Management Protocol (SNMP)
- D. Use Network Time Protocol (NTP)

Answer: D

NEW QUESTION 62

During a security awareness program, management was explaining the various reasons which create threats to network security. Which could be a possible threat to network security?

- A. Configuring automatic OS updates
- B. Having a web server in the internal network
- C. Implementing VPN
- D. Patch management

Answer: B

NEW QUESTION 65

-----is a group of broadband wireless communications standards for Metropolitan Area Networks (MANs)

- A. 802.15.4
- B. 802.15
- C. 802.12
- D. 802.16

Answer: D

NEW QUESTION 66

Heather has been tasked with setting up and implementing VPN tunnels to remote offices. She will most likely be implementing IPsec VPN tunnels to connect the offices. At what layer of the OSI model does an IPsec tunnel function on?

- A. They work on the session layer.
- B. They function on either the application or the physical layer.
- C. They function on the data link layer
- D. They work on the network layer

Answer: D

NEW QUESTION 71

Consider a scenario consisting of a tree network. The root Node N is connected to two main nodes N1 and N2. N1 is connected to N11 and N12. N2 is connected to N21 and N22. What will happen if any one of the main nodes fail?

- A. Failure of the main node affects all other child nodes at the same level irrespective of the main node.
- B. Does not cause any disturbance to the child nodes or its transmission
- C. Failure of the main node will affect all related child nodes connected to the main node
- D. Affects the root node only

Answer: C

NEW QUESTION 76

A VPN Concentrator acts as a bidirectional tunnel endpoint among host machines. What are the other function(s) of the device? (Select all that apply)

- A. Provides access memory, achieving high efficiency
- B. Assigns user addresses
- C. Enables input/output (I/O) operations
- D. Manages security keys

Answer: BCD

NEW QUESTION 78

Which VPN QoS model guarantees the traffic from one customer edge (CE) to another?

- A. Pipe Model
- B. AAA model
- C. Hub-and-Spoke VPN model
- D. Hose mode

Answer: A

NEW QUESTION 83

Smith is an IT technician that has been appointed to his company's network vulnerability assessment team. He is the only IT employee on the team. The other team members include employees from Accounting, Management, Shipping, and Marketing. Smith and the team members are having their first meeting to discuss how they will proceed. What is the first step they should do to create the network vulnerability assessment plan?

- A. Their first step is to analyze the data they have currently gathered from the company or interviews.
- B. Their first step is to make a hypothesis of what their final findings will be.
- C. Their first step is to create an initial Executive report to show the management team.
- D. Their first step is the acquisition of required documents, reviewing of security policies and compliance.

Answer: D

NEW QUESTION 86

Bryson is the IT manager and sole IT employee working for a federal agency in California. The agency was just given a grant and was able to hire on 30 more employees for a new extended project. Because of this, Bryson has hired on two more IT employees to train up and work. Both of his new hires are straight out of college and do not have any practical IT experience. Bryson has spent the last two weeks teaching the new employees the basics of computers, networking, troubleshooting techniques etc. To see how these two new hires are doing, he asks them at what layer of the OSI model do Network Interface Cards (NIC) work on. What should the new employees answer?

- A. NICs work on the Session layer of the OSI model.
- B. The new employees should say that NICs perform on the Network layer.
- C. They should tell Bryson that NICs perform on the Physical layer
- D. They should answer with the Presentation layer.

Answer: C

NEW QUESTION 87

Kyle is an IT consultant working on a contract for a large energy company in Houston. Kyle was hired on to do contract work three weeks ago so the company could prepare for an external IT security audit. With suggestions from upper management, Kyle has installed a network-based IDS system. This system checks for abnormal behavior and patterns found in network traffic that appear to be dissimilar from the traffic normally recorded by the IDS. What type of detection is this network-based IDS system using?

- A. This network-based IDS system is using anomaly detection.
- B. This network-based IDS system is using dissimilarity algorithms.
- C. This system is using misuse detection.
- D. This network-based IDS is utilizing definition-based detection.

Answer: A

NEW QUESTION 90

Which IEEE standard does wireless network use?

- A. 802.11
- B. 802.18
- C. 802.9
- D. 802.10

Answer: A

NEW QUESTION 94

The-----protocol works in the network layer and is responsible for handling the error codes during the delivery of packets. This protocol is also responsible for providing communication in the TCP/IP stack.

- A. RARP
- B. ICMP
- C. DHCP
- D. ARP

Answer: B

NEW QUESTION 96

John wants to implement a firewall service that works at the session layer of the OSI model. The firewall must also have the ability to hide the private network information. Which type of firewall service is John thinking of implementing?

- A. Application level gateway
- B. Circuit level gateway
- C. Stateful Multilayer Inspection
- D. Packet Filtering

Answer: B

NEW QUESTION 97

Management asked their network administrator to suggest an appropriate backup medium for their backup plan that best suits their organization's need. Which of the following factors will the administrator consider when deciding on the appropriate backup medium?

- A. Capability
- B. Accountability
- C. Extensibility
- D. Reliability

Answer: ACD

NEW QUESTION 100

Cindy is the network security administrator for her company. She just got back from a security conference in Las Vegas where they talked about all kinds of old and new security threats; many of which she did not know of. She is worried about the current security state of her company's network so she decides to start scanning the network from an external IP address. To see how some of the hosts on her network react, she sends out SYN packets to an IP range. A number of IPs responds with a SYN/ACK response. Before the connection is established, she sends RST packets to those hosts to stop the session. She has done this to see how her intrusion detection system will log the traffic. What type of scan is Cindy attempting here?

- A. The type of scan she is using is called a NULL scan.
- B. Cindy is using a half-open scan to find live hosts on her network.
- C. Cindy is attempting to find live hosts on her company's network by using a XMAS scan.
- D. She is utilizing a RST scan to find live hosts that are listening on her network.

Answer: B

NEW QUESTION 103

Malone is finishing up his incident handling plan for IT before giving it to his boss for review. He is outlining the incident response methodology and the steps that are involved. What is the last step he should list?

- A. Containment
- B. Assign eradication
- C. A follow-up
- D. Recovery

Answer: C

NEW QUESTION 108

John has successfully remediated the vulnerability of an internal application that could have caused a threat to the network. He is scanning the application for the existence of a remediated vulnerability, this process is called a _____ and it has to adhere to the _____

- A. Verification, Security Policies
- B. Mitigation, Security policies
- C. Vulnerability scanning, Risk Analysis
- D. Risk analysis, Risk matrix

Answer: A

NEW QUESTION 110

A network administrator is monitoring the network traffic with Wireshark. Which of the following filters will she use to view the packets moving without setting a flag to detect TCP Null Scan attempts?

- A. TCRflags==0x000
- B. Tcp.flags==0X029
- C. Tcp.dstport==7
- D. Tcp.flags==0x003

Answer: A

NEW QUESTION 111

A newly joined network administrator wants to assess the organization against possible risk. He notices the organization doesn't have a _____ identified which helps measure how risky an activity is.

- A. Risk Severity
- B. Risk Matrix
- C. Key Risk Indicator
- D. Risk levels

Answer: C

NEW QUESTION 114

Which of the following Event Correlation Approach checks and compares all the fields systematically and intentionally for positive and negative correlation with each other to determine the correlation across one or multiple fields?

- A. Automated Field Correlation
- B. Field-Based Approach
- C. Rule-Based Approach
- D. Graph-Based Approach

Answer: A

NEW QUESTION 116

Katie has implemented the RAID level that split data into blocks and evenly write the data to multiple hard drives but does not provide data redundancy. This type of RAID level requires a minimum of _____ in order to setup.

- A. Four drives
- B. Three drives
- C. Two drives
- D. Six drives

Answer: C

NEW QUESTION 120

As a network administrator, you have implemented WPA2 encryption in your corporate wireless network. The WPA2's _____ integrity check mechanism

provides security against a replay attack

- A. CRC-32
- B. CRC-MAC
- C. CBC-MAC
- D. CBC-32

Answer: C

NEW QUESTION 122

Alex is administrating the firewall in the organization's network. What command will he use to check the ports applications open?

- A. Netstat -an
- B. Netstat -o
- C. Netstat -a
- D. Netstat -ao

Answer: A

NEW QUESTION 125

Kyle is an IT technician managing 25 workstations and 4 servers. The servers run applications and mostly store confidential data. Kyle must backup the server's data daily to ensure nothing is lost. The power in the company's office is not always reliable, Kyle needs to make sure the servers do not go down or are without power for too long. Kyle decides to purchase an Uninterruptible Power Supply (UPS) that has a pair of inverters and converters to charge the battery and provides power when needed. What type of UPS has Kyle purchased?

- A. Kyle purchased a Ferro resonant Standby UPS.
- B. Kyle purchased a Line-Interactive UPS
- C. He has bought a Standby UPS
- D. He purchased a True Online UPS.

Answer: C

NEW QUESTION 128

Lyle is the IT director for a medium-sized food service supply company in Nebraska. Lyle's company employs over 300 workers, half of which use computers. He recently came back from a security training seminar on logical security. He now wants to ensure his company is as secure as possible. Lyle has many network nodes and workstation nodes across the network. He does not have much time for implementing a network-wide solution. He is primarily concerned about preventing any external attacks on the network by using a solution that can drop packets if they are found to be malicious. Lyle also wants this solution to be easy to implement and be network-wide. What type of solution would be best for Lyle?

- A. A NEPT implementation would be the best choice.
- B. To better serve the security needs of his company, Lyle should use a HIDS system.
- C. Lyle would be best suited if he chose a NIPS implementation
- D. He should choose a HIPS solution, as this is best suited to his needs.

Answer: C

NEW QUESTION 132

Steven's company has recently grown from 5 employees to over 50. Every workstation has a public IP address and navigated to the Internet with little to no protection. Steven wants to use a firewall. He also wants IP addresses to be private addresses, to prevent public Internet devices direct access to them. What should Steven implement on the firewall to ensure this happens?

- A. Steven should use a Demilitarized Zone (DMZ)
- B. Steven should use Open Shortest Path First (OSPF)
- C. Steven should use IPsec
- D. Steven should enabled Network Address Translation(NAT)

Answer: D

NEW QUESTION 133

Which of the following is a best practice for wireless network security?

- A. Enabling the remote router login
- B. Do not changing the default SSID
- C. Do not placing packet filter between the AP and the corporate intranet
- D. Using SSID cloaking

Answer: D

NEW QUESTION 134

An organization needs to adhere to the _____ rules for safeguarding and protecting the electronically stored health information of employees.

- A. HI PA A
- B. PCI DSS
- C. ISEC
- D. SOX

Answer: A

NEW QUESTION 139

Frank installed Wireshark at all ingress points in the network. Looking at the logs he notices an odd packet source. The odd source has an address of 1080:0:FF:0:8:800:200C:4171 and is using port 21. What does this source address signify?

- A. This address means that the source is using an IPv6 address and is spoofed and signifies an IPv4 address of 127.0.0.1.
- B. This source address is IPv6 and translates as 13.1.68.3
- C. This source address signifies that the originator is using 802dot1x to try and penetrate into Frank's network
- D. This means that the source is using IPv4

Answer: D

NEW QUESTION 141

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