Keamanan Jaringan
(Knowledge Check Modul 3 dan 4)

Oleh:

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D4 LJ IT B

POLITEKNIK ELEKTRONIKA NEGERI SURABAYA

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Knowledge Check 3

1. Access to an internal server can be limited by using which of the following security control?

   - ⦿ Firewall
   - ○ Network Monitoring
   - ○ Patch Management
   - ○ Intrusion Detection System

explanation: Firewalls monitor and filter incoming and outgoing network traffic according to predefined security rules. the goal is to prevent unwanted access to internal servers by setting the firewall to only allow traffic from approved sources.

2. Which of the following activities is related to vulnerability management

   - ○ Enforcing VPN usage on corporate users
   - ○ Applying new firewall rules
   - ⦿ Applying security patches
   - ○ Updating antivirus software signature

3. Which of the following controls can be used to protect data that is traversing the network?

   - ⦿ Virtual Private Network (VPN)
   - ○ Firewall
   - ○ Intrusion Detection System
   - ○ Anti Virus Software

explanation: VPN, a network security technology, can restrict access to people or groups with permission by forcing users to connect to an internal server using a VPN and by ensuring that all data transferred is encrypted.

4. Which of the following security controls can be used to limit access to certain servers hosted in a facility?

   - ○ Intrusion Detection System
   - ○ Packet Analysis Tool
   - ○ Network Monitoring System
   - ⦿ Firewall

5. Cyber Security Frameworks can help organizations to

○ Detect intrusion attempts and log them to a central repository

○ Protect critical services and information assets

◉ Develop policies and procedures for the implementation of security controls

○ Secure the network perimeter from unauthorized access

6. Securing the data centre with locks and closed-circuit television (CCTV) is an example of which security control category?

○ Virtual

○ Technical

◉ Physical

○ Policy

7. Reviewing access and activities from log files is an example of which of the following security controls?

○ Incident Response

◉ Security Audit

○ Authentication

○ Vulnerability management

explanation: Reviewing access and activities from log files known as "Auditing and Monitoring."

Knowledge Check 3

You will need to achieve a score of 80% or higher to pass the quiz. If you don't pass on your first attempt, you can retake the quiz as needed.

Results

7 of 7 Questions answered correctly

Your time: 00:26:07

You have reached 7 of 7 point(s), (100%)

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Restart Quiz

Knowledge Check 4

1. Which role normally deals with data recovery and examination after a security breach?

   ○ Security Auditor
   ○ Penetration Tester
   ● Digital Forensics Analyst
   ○ Network Engineers

explanation: Digital Forensic Analysts recover and examine data from computers and other electronic storage devices in-order-to use the data as evidence in investigations or in criminal prosecutions.

2. Which of the following is ultimately responsible for formulating the security strategy and making sure that resources are allocated for the organization-wide security program?

   ○ Security Analyst
   ● Top Management
   ○ Penetration Tester
   ○ Security Auditor

explanation: Role of the Executive Level or Top Management, Ensure that a security strategy is in place, ample resources are allocated to security, and understand the cyber defence capabilities of the organization.

3. Which role is responsible for ensuring internally developed web applications are not vulnerable to attacks such as SQL injection or Cross-Site Scripting?

   ○ Security Analyst
   ○ Network Engineer
   ○ Security Auditor
   ● Software Developer

explanation: Software Developers are responsible for writing and coding individual programs or providing software resources.

4. One of the responsibilities of a security auditor is to

   ○ Configure firewall rules
   ○ Write signatures for the intrusion detection system
   ○ Analyze logs and netflows for signs of attacks
   ● Ensure compliance to security policies

Knowledge Check 4

You will need to achieve a score of 80% or higher to pass the quiz. If you don't pass on your first attempt, you can retake the quiz as needed.

Results

4 of 4 Questions answered correctly

Your time: 00:03:39

You have reached 4 of 4 point(s), (100%)

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