TUGAS KNOWLEDGE MODUL 3 DAN 4

Nama   : Choirun Annas
NRP   : 3122640032
Mata Kuliah   : Keamanan Jaringan
Dosen   : Bapak Dr. Ferry Astika Saputra ST, M.Sc

Modul 3

1. Which of the following controls can be used to protect data that is traversing the network?
 Firewall
Intrusion Detection System
Virtual Private Network (VPN)
Anti Virus Software

Analysis : firewall ensuring that data on a connected computer or web server cannot be accessed by anyone on the Internet. If there are other parties who access personal information or change your website, it will be blocked by the Firewall.

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

Analysis : CCTV is a physical security method to protect company data from attack or theft by outsiders

3. Cyber Security Frameworks can help organizations to
Secure the network perimeter from unauthorized access
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

Analysis :

4. Access to an internal server can be limited by using which of the following security control?
Patch Management
Intrusion Detection System
Network Monitoring
Firewall

Analysis : Firewall blocks access from outside that is considered a security threat

5. Which of the following security controls can be used to limit access to certain servers hosted in a facility?
Intrusion Detection System
Network Monitoring System
Firewall
Packet Analysis Tool

Analysis : Network monitoring system is a hardware and software tool that functions to detect or monitor network-connected devices

6. Which of the following activities is related to vulnerability management
Applying new firewall rules
Applying security patches
Enforcing VPN usage on corporate users
Updating antivirus software signature

Analysis : Apllying security patch for discovered in software or firmware to gain unauthorized acces to the network or data.

7. Reviewing access and activities from log files is an example of which of the following security controls?
Authentication
Incident Response
Vulnerability management
Security Audit

Analysis : Security audit is a measurable technical assessment of a system. In security audit have interviews, security vulnerability scans, analyzing physical acces to the system

Modul 4

1. 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
 Software Developer
 Network Engineer
 Security Auditor

Analysis : Sofware Developer role is ensuring internally developed web applications are not vulnerable to attacks such as SQL injection or Cross-Site Scripting

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

 Network Engineers
 Digital Forensics Analyst
 Penetration Tester
 Security Auditor

Analysis : Digital Forensics Analyst who recover and examine data from computer storage devices in order to use the data as evidence.

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

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

Analysis : Security auditor ensure compliance to security policies for respontible

4. 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 Auditor
 Security Analyst
 Penetration Tester
 Top Management

Analysis : Top Management who ultimately responsible for formulating the security strategy and making sure that resources are allocated for the organization-wide security program