

Accounting



- Accounting is a method of keeping track of user actions on the network. It keeps track of the who, when, and how of user access to the network
- It helps in identifying authorized and unauthorized actions
- The account data can be used for trend analysis, data breach detection, forensics investigations, and other purposes



Copyright © by EC-Council. All Rights Reserved. Reproduction is Strictly Prohibited.

LO#02: Summarize Network Segmentation Concepts

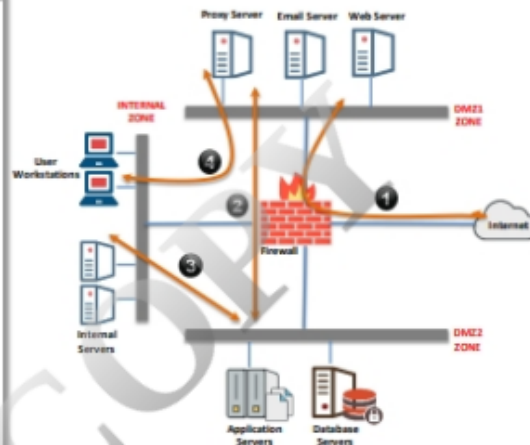
Copyright © by EC-Council. All Rights Reserved. Reproduction is Strictly Prohibited.

Notes: _____

Network Segmentation



- Network Segmentation is the practice of **splitting** a network into smaller network segments and separating groups of systems or applications from each other
- It defeats the **drawback of the traditional flat network** where all the network resources (such as servers and workstations) are placed on same network. If an attacker can manage to penetrate through perimeter defense, they can see can have easy access to flat network
- In a segmented network, groups of systems or applications that have no interaction with each other will be placed in different network segment
- In such cases, even if an attacker manages to penetrate perimeter security, they can not access to network resources from other segments
- Security benefits of Network Segmentation
 - Improved Security
 - Better Access Control
 - Improved Monitoring
 - Improved Performance
 - Better Containment



Copyright © by EC-Council. All Rights Reserved. Reproduction is Strictly Prohibited.

Network Security Zoning



Examples of Network Security Zones

- Network security zoning mechanism allows an organization to **manage a secure network environment** by selecting the appropriate security levels for different **zones of Internet and Intranet networks**
- It helps in effectively monitoring and controlling **inbound and outbound traffic**



Internet Zone	An uncontrolled zone outside the boundaries of an organization
Internet DMZ	A controlled zone that provides a barrier between internal networks and the Internet
Production Network Zone	A restricted zone that strictly controls direct access from uncontrolled networks
Intranet Zone	A controlled zone with no heavy restrictions
Management Network Zone	A secured zone with strict policies

Copyright © by EC-Council. All Rights Reserved. Reproduction is Strictly Prohibited.

Notes: _____
