- Filename: eccouncil-ceh31250-v10-1-3-1-intro_to_ethical_hacking_security_controls.md
- Show Name: CEHv10 (312-50)
- Topic Name: Introduction
- Episode Name: Intro to Ethical Hacking: Security Controls
- Description: In this episode, Daniel and Zach begin the monumental task of exploring the implementation of Security Controls. Here specifically they get into: Information Assurance vs Information Security, Network segmentation, Defense-in-Depth, and Security Policies.

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Intro to Ethical Hacking: Security Controls

- Information Security Controls
    - Information Assurance(IA) vs Information Security(InfoSec)
        - Similarities
            - Risk assessment
            - Security Policy development
            - Implementation of security controls
        - Differences
            - IA focuses more on Risk assessment
                - AND developing mitigation strategies
                - Heavily influences a Security Management program
                    - Combines all aspects of an organization's security
                        - Compliance
                        - End-user security awareness training
                        - Security Policies
                        - BCDR
                    - EXAMPLE: https://tinyurl.com/y93nsd87 (Gvmnt of South Australia)
            - InfoSec focuses more on technical control implementations
                - More hands-on with the tools
    - Network Segmentation/Zones (DIAGRAM)
        - Uncontrolled zones
            - Internet
        - DMZ
        - Administrative
            - Sys/Network Admins
        - Standard
            - Users
    - Defense-in-Depth (DIAGRAM)
    - Security Policies
        - Goals
            - Maintain CIA
            - Reduce/Prevent Loss of data/resources
                - Theft, waste, loss, destruction, modification
            - Lower overall Risk
            - Liability of employees and third-party
            - Define access rights

- Examples
    - Password Policy
    - Acceptable Use Policy
    - Data Retention Policy
    - Access Control Policy