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- Show Name: CEHv12 (312-50)
- Topic Name: System Hacking Phases and Attack Techniques - System Hacking
- Episode Name: Password Attacks: Basic Concepts
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Password Attacks: Basic Concepts

Objectives:

- Define password cracking
- List and define the common types of password cracking attacks
- Define and describe the different processes for programmatically attacking encrypted password
- Review the different non-technical password stealing attacks

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- Password Cracking

    - What is password cracking
    - Types of password attacks

        - Non-Electric/non-Technical

            - Techniques

                - Shoulder surfing
                - Social engineering
                - dumpster diving

        - Online: ACTIVE

            - Techniques

                - Dictionary
                - Brute-Force
                - Rule-Based
                - Malware/Spyware
                - Guessing/Defaults
                - PTH
                - Internal Monologue
                - LLMNR

            - Tools

                - Hydra
                - Ncrack
                - pth-toolkit
                - Responder

        - Online: PASSIVE

            - Techniques

                - Packet Sniffing
                - MitM
                - Replay

            - Tools

                - Ettercap
                - Bettercap
                - Wireshark

        - Offline

            - Techniques

                - Dictionary
                - Brute-force
                - Rule-Based
                - Rainbow Tables
                - Distributed Network

- Tools
    - John the Ripper
    - OCL-Hashcat
    - Ophcrack
    - Loftcrack
    - Cain-and-Able