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 - Show Name: CEHV11 (312-50)
 - Topic Name: System Hacking Phases and Attack Techniques - System Hacking
 - Episode Name: Password Cracking Enhancement Techniques
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Password Cracking Enhancement Techniques

Objectives:

- Enhance password cracking attack efforts by utilizing techniques such as Combinator, PRINCE, Toggle-Case, and Markov-Chain Attacks
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- Combinator
 - Combine 2 or more dictionaries together
- PRINCE
 - PRobability INfinite Chained Elements
 - Like a Combinator approach except
 - Only uses 1 dictionary
 - Create a useful dictionary based on known criteria
 - Example: passwords must be 6 chars long
 - Use only 6+ char words in dictionary
 - Create 6+ char words using combinations of smaller words
 - 2 char words + 4 char words = 6 char words
- Toggle-case
 - Try every case possibility
 - aaa, aaA, aAA, AAA, AAa, Aaa
- Markov Chain
 - A statistical analysis of the passwords cracked through normal means
 - A file is generated with the most common elements
 - 'C' is the most common letter and is most commonly followed by 'a'
 - It then uses those stats to perform a dictionary/brute-force hybrid attack