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Password Cracking



Disclaimer



Don't do illegal shit



Overview

- What's a hash?
- What is password cracking?
- How is it done?
- Today's activity



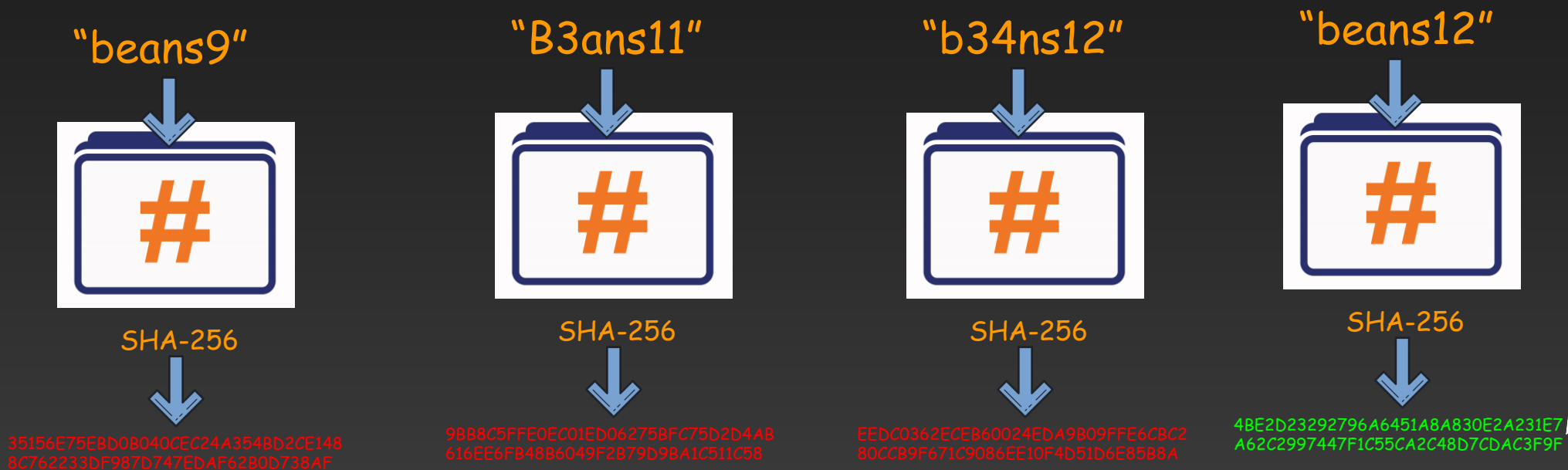
What's a hash?

- Passwords are stored as "hashes"
- A hashing algorithm is a one-way mathematical function that gives us a hash



What is password cracking?

- Cracking is the process of retrieving the password from the hash
- This is usually done by trying possible passwords until we get the same hash
- Can be very resource intensive



How is it done?

- Brute force search
- Dictionary attack
- Rainbow tables

Using tools such as:

- John the Ripper
- Hashcat
- THC Hydra
- Medusa



Today's Activity

tinyurl.com/dmuh-cracking

