

Breaking Passwords

Objective:

Gaining unauthorized access to restricted systems using common passwords or algorithm that guess passwords.

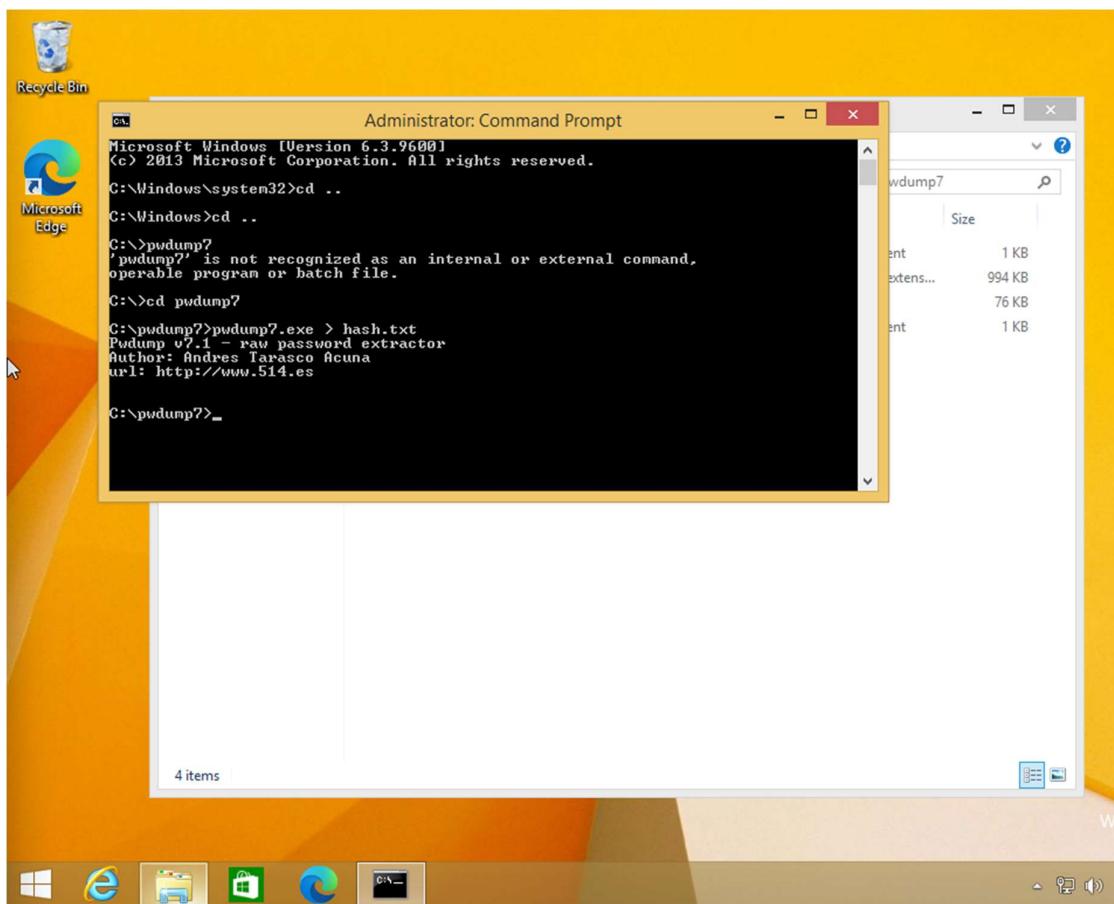
Methodology:

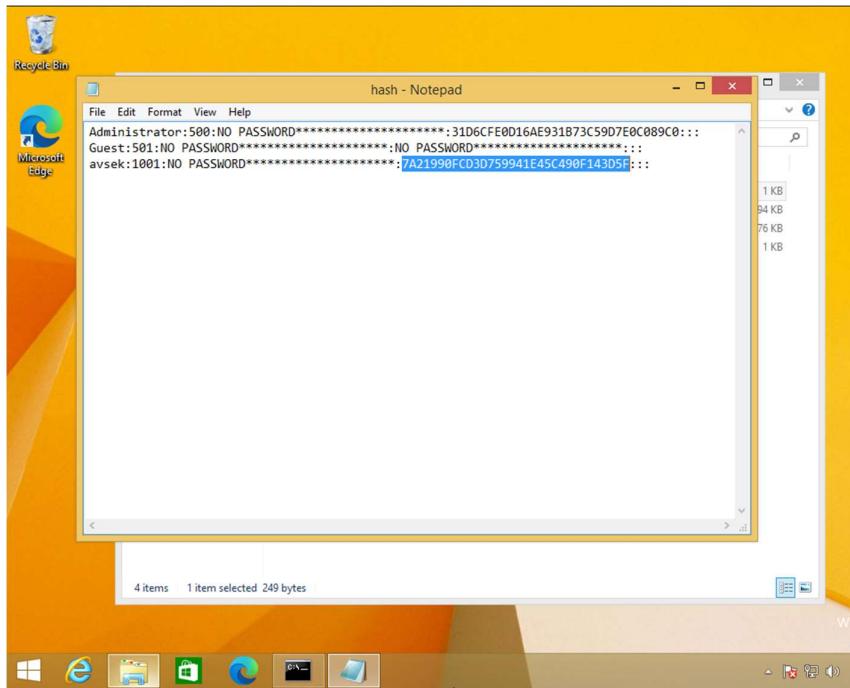
- Using common password
- Algorithms that guess password

Tool:

- pwdump

Proof of concept (POC):



A screenshot of the CrackStation website. The URL is https://crackstation.net. The main heading is "CrackStation". The sub-navigation includes "CrackStation", "Password Hashing Security", and "Defuse Security". The main content area is titled "Free Password Hash Cracker". It has a text input field for pasting hashes, with the value "7A21990FC0D30759941E45C490F143D5F" already entered. Below the input field is a "Crack Hashes" button. A results table is shown with one row:

Hash	Type	Result
7A21990FC0D30759941E45C490F143D5F	NTLM	12345

Color Codes: Green: Exact match, Yellow: Partial match, Red: Not found.

At the bottom, there's a link to "Download CrackStation's Wordlist". The footer contains information about how the service works and mentions "Waiting for cache...".

Conclusion:

Password cracking is the art of recovering stored or transmitted password. Password strength is determined by length, complexity and unpredictability of a password value.