



# PASS HAX

PASSWORD GUESSER & EVALUATOR

TEAM YASH



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The background of the slide features a dark gray field with a pattern of white binary digits (0s and 1s) arranged in a perspective that recedes into the distance. Overlaid on this pattern, the word "SECURITY" is written in a large, light gray, sans-serif font, appearing slightly out of focus or faded.

# INTRODUCTION

## WHAT'S THE IDEA?

- Passwords are important, efficient, easy to implement way of authorization & authentication.
- If used properly, they are very secure and cannot be cracked in short amount of time. Just an 18 character password with uppercase, lowercase letters, symbols numbers can take up to 438trillion years!
- PassHax creates a dictionary specific to a user as well as assists the user to empower their passwords and evaluate provided passwords



# OBJECTIVE

WHAT'S THE AIM?

- To help penetration testers to create user/target specific wordlists or dictionaries which can be used in brute force and dictionary exploits.
- To educate common users about how strong passwords are and can bridge the gap between being compromised by losing your data and staying secure.
- To guess passwords for an user & evaluate passwords provided by the user for their strength.

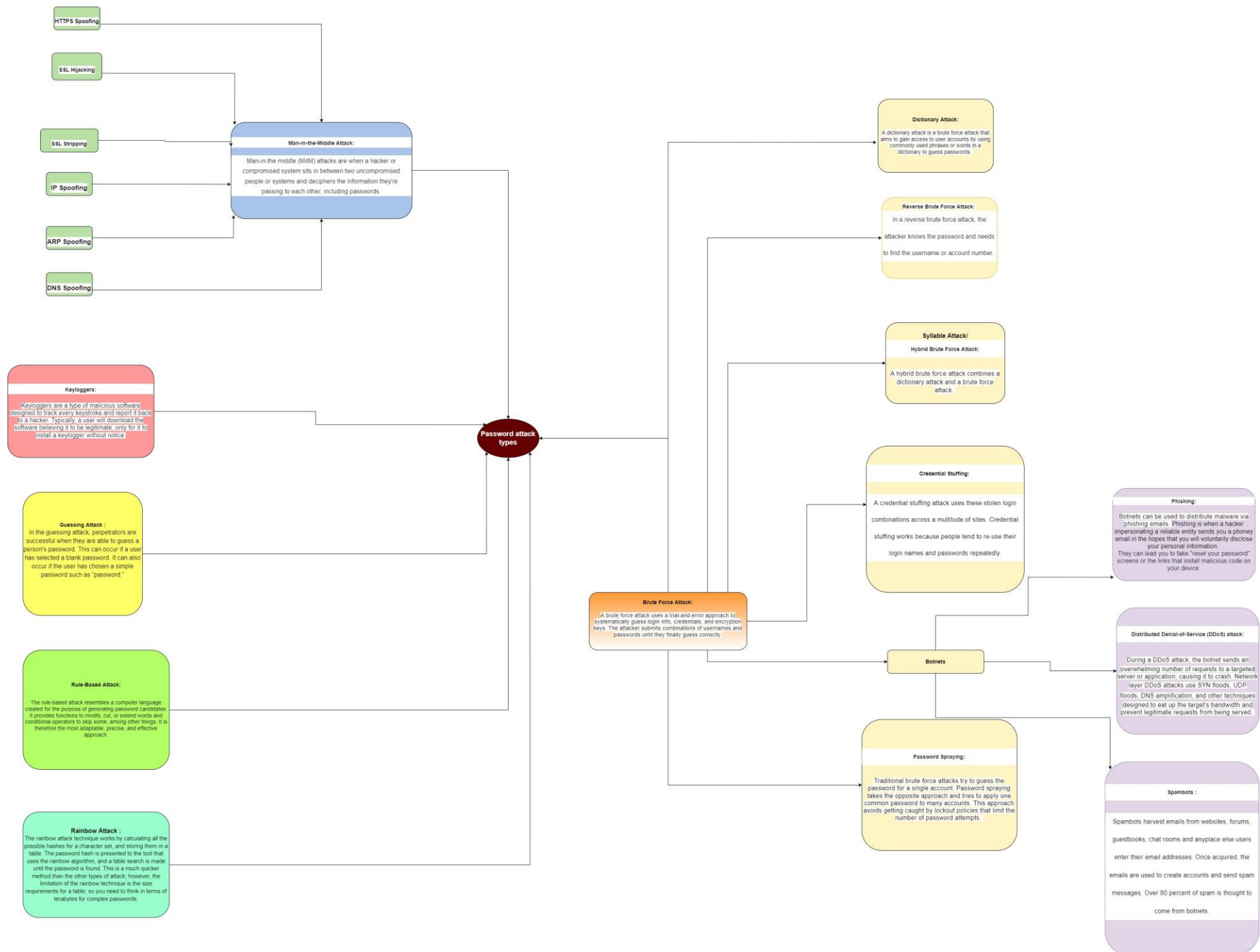




# NEED FOR PASSHAX

## WHY THIS TOOL?

- To eliminate common or obvious & repeating passwords.
- For better understanding of different password attacks. How common/obvious passwords can be easily exploited?
- Categorization of passwords such as weak, average or strong passwords.
- To know the time required to crack a particular password.
- Prevention mechanisms against different password attacks.
- To display the Strength and Score of passwords and then decide whether to use that particular password or not.





# APPLICATIONS

## FOR WHOM?

- **PassHax** is a good tool for ethical hackers, penetration tester to generate personalized libraries for brute forcing as well as dictionary based attack.
- PassHax can guess passwords based on the answers you give to the 'Security Questions' and thus assist the user to create a stronger password.
- PassHax can be a first step towards the older age group to educate them more about cybersecurity and securing their assets with strong passwords.







# VALUE GAIN

GIVERS GAIN

- **PassHax** will promote cybersecurity awareness amongst all citizens which will lead to a more safer & secured cyberspace, a safer cyberspace would surely be a gain for everyone.
- PassHax can be used for educational purposes to demonstrate how dictionary attacks work and how to prevent them.
- A large community using PassHax will increase the tool's reach further and would bring in more upgrades.

“ Treat your password like your toothbrush. Don't let anybody else use it, and get a new one every six months. ”

CLIFFORD STOLL



VISHWAKARMA  
UNIVERSITY  
*Maximising Human Potential*

YASH

THANK YOU

YASH OSWAL  
ATHARVA GOKHALE  
SHIVANI SHETE  
HASNAIN MERCHANT

TEAM YASH