

CLASS REQUIREMENT

In order to actually set up passkeys in this class, you must be on an iPhone using iOS 17 or later

If your phone isn't already on iOS 17 or later please update now before class starts.

PASSKEYS

THE HISTORY

WHERE HAVE WE COME FROM?

AMERICA ON LINE

1989

WHAT IS A PASSWORD?

A PASSWORD IS A SECRET WORD OR CODE THAT YOU USE TO IDENTIFY YOURSELF WHEN ACCESSING A PLACE, AN ACCOUNT, ETC. DIGITAL PASSWORDS ARE COMBINATIONS OF CHARACTERS THAT ARE COMMONLY USED TO GAIN ACCESS TO COMPUTERS AND OTHER DEVICES, EMAIL ACCOUNTS, SOCIAL MEDIA ACCOUNTS, ONLINE BANKING, ETC.

HOW ARE PASSWORDS STOLEN?

Guessing
Automated Attacks
Phishing
Malware
Physical spying
Data Breaches

**WHAT ARE COMMON
PASSWORDS?**

WHEN ATTEMPTING TO INFILTRATE COMPANIES WITH ROBUST SECURITY PRACTICES, HACKERS OFTEN START BY TARGETING A DIFFERENT ORGANIZATION WITH RELATIVELY WEAK SECURITY THAT HAS A TECHNICAL BUSINESS RELATIONSHIP WITH THE ULTIMATE TARGET. THEY THEN STEAL CREDENTIALS OR INFORMATION THAT HELPS THEM TARGET EMPLOYEES OR SYSTEMS AT THE ORGANIZATION THAT IS THEIR PRIMARY OBJECTIVE.

NATIONAL PUBLIC DATA BREACH

IN AUGUST 2024, NATIONAL PUBLIC DATA (NPD), A COMPANY SPECIALIZING IN EMPLOYEE BACKGROUND CHECKS, SUFFERED A MASSIVE DATA BREACH. HACKERS ACCESSED SENSITIVE PERSONAL INFORMATION, INCLUDING SOCIAL SECURITY NUMBERS, AFFECTING NEARLY ALL AMERICANS.

- INDUSTRY: DATA BROKER
- BREACH SIZE: 2.9 BILLION RECORDS

SNOWFLAKE INC. BREACH

Exposed organizations include:



AT&T: 50 billion records breached, being nearly all wireless customers, with data including phone numbers and call records.

Ticketmaster: Over 500 million individuals breached, exposing personal and payment information.

Advance Auto Parts: Over 2.3 million individuals breached, compromising names, Social Security numbers, and driver's license numbers

CHANGE HEALTHCARE BREACH

CHANGE HEALTHCARE, A CRUCIAL HEALTHCARE TECHNOLOGY INFRASTRUCTURE COMPANY THAT PROCESSES BETWEEN ONE-THIRD AND ONE-HALF OF ALL U.S. HEALTHCARE TRANSACTIONS, SUFFERED A CATASTROPHIC RANSOMWARE ATTACK BY THE BLACKCAT/ALPHV GROUP. IMPACTING ROUGHLY ONE-THIRD OF THE ENTIRE U.S. POPULATION.

- **INDUSTRY: HEALTHCARE TECHNOLOGY/SERVICES**
- **BREACH SIZE: 100 MILLION RECORDS (APPROXIMATELY ONE-THIRD OF THE U.S. POPULATION)**

2 FACTOR AUTHENTICATION

SMS BASED

2 FACTOR AUTHENTICATION

APPLICATION BASED

GOOGLE AUTHENTICATOR

OTHERS

PASSKEYS

PASSKEYS ARE A PASSWORDLESS AUTHENTICATION METHOD THAT USES CRYPTOGRAPHIC KEYS STORED ON YOUR DEVICE TO SECURELY LOG IN TO WEBSITES AND APPS. THEY REPLACE TRADITIONAL PASSWORDS WITH BIOMETRIC AUTHENTICATION (FACE ID, FINGERPRINT, OR PIN) AND ARE RESISTANT TO PHISHING ATTACKS.

EASIEST AND SAFEST

GO TO: G.CO/PASSKEYS

HTTPS://WWW.ICLOUD.COM/

PASSKEY SUPPORT DIRECTORY