America Runs on Hacked Accounts

Dunkin' Donuts Ethics Case by Danny Moncada



Agenda

- Who is Dunkin' Donuts
- Why did they make the news
- What could they have done differently
- Solving the world's mysteries, one step at a time (if time at the end)



Dunkin' Donuts... err, Dunkin'

- American multinational quick service restaurant founded in 1950
- One of the largest coffee and baked goods chains in world
- Going through rebranding effort simply known as Dunkin'







Dunkin' makes the news... for all the

wrong reasons

- Not debuting a new flavored iced coffee (yum) or menu item
- Firm became victim of "credential stuffing" attack
 - Hackers used usernames and passwords leaked from other sites to gain access to DD Perks rewards accounts
- Second time in three months'
 Dunkin' was successfully targeted







Hackers not interested in customers, but rewards

- Customer personally identifiable information (PII) readily available, but not the target
- DD Rewards program accounts were sold on the "Dark Web"
- Other users received unearned discounts on products

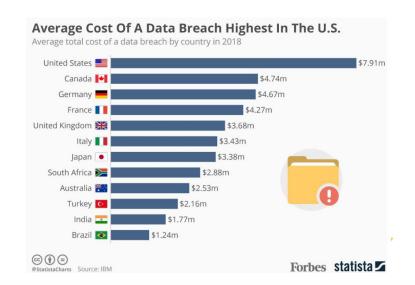


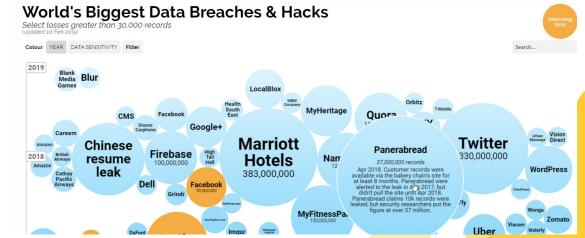




Why is this bad?

- Data breaches cost
 U.S. companies an
 average of \$7M in 2018
- More and more of the world is getting digitized; these situations will continue happening
- Loyal customers had information exposed







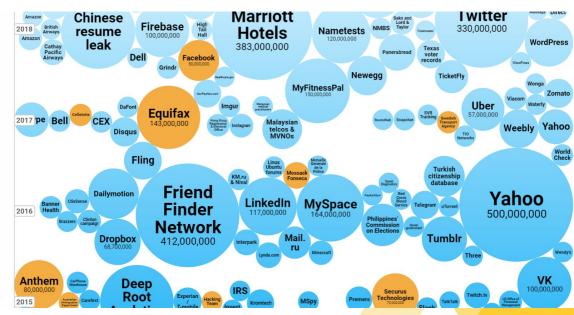
What can Dunkin' DO?

- Admit fault in not rectifying situation after first breach
- Perform in-depth analysis on level of exposure (how many accounts affected, what the cost to customers was)
- 3. Investigate cost and feasibility of enabling two-factor authentication
- 4. Work with partner or firm specializing in anomaly detection, and better monitor purchasing patterns



What can Dunkin' DO, Cont.

- Second incident is a wake up call to Dunkin' leadership; immediately rebuild customer confidence in product
- Quantify the "damage" allows Dunkin' leadership to properly assess scope of breach



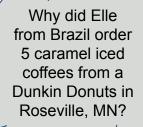


What can Dunkin' DO, Concluded.

 Learn lessons from other firms who successfully implemented two-factor authentication systems

 Proactive monitoring user spending habits behavior provides mechanism to flag unusual behavior









Drawbacks to Proposals

- Two-factor authentication = / = "silver bullet"; plenty of evidence to suggest it doesn't solve every issue
- Proactively monitoring consumer behavior is just a different type of infringement







