WHAT WORKS AND WHAT DOESN'T

UPGRADING AND IMPLEMENTING CYBER SECURITY TECHNOLOGIES

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WE’RE IN THE ERA OF THE BIG BANG BREACH

<table>
<thead>
<tr>
<th>Company</th>
<th>Number of Breached Records</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yahoo!</td>
<td>3 billion</td>
</tr>
<tr>
<td>Equifax</td>
<td>143 million</td>
</tr>
<tr>
<td>LinkedIn</td>
<td>117 million</td>
</tr>
<tr>
<td>Home Depot</td>
<td>50 million</td>
</tr>
<tr>
<td>eBay</td>
<td>145 million</td>
</tr>
<tr>
<td>Anthem</td>
<td>80 million</td>
</tr>
<tr>
<td>Target</td>
<td>70 million</td>
</tr>
</tbody>
</table>
Expectation
FOR EVERY PROJECT...

DOES THE EFFORT ELIMINATE

THE BIG BANG BREACH?
USER CREDENTIALS
81%

Of Hacking-Related Breaches are the Result of Weak or Stolen Passwords

Source: Verizon 2017 Data Breach Investigations Report
3+ Billion
Usernames & Passwords Stolen Since 2016

Source: Verizon 2017 Data Breach Investigations Report
230 Million

Malicious Login Attempts Each Day

Source: Shape Security 2018 Credential Spill Report
Credential Stuffing

The Collateral Damage That Happens From Breaches Outside Of Enterprise Control
#1 CISO Spend

Access and Authentication

Source: Sans Analyst Research
DECENTRALIZING CREDENTIALS REMOVES THE BIG BANG BREACH
WHY IS IT POSSIBLE NOW?

Sensors
Over 2 Billion Biometrics Devices Today With Touch, Face, Eye Recognition and More

Standards
Mass Adoption of Authentication Standards Such as Fast Identity Online (FIDO)

Security
Nearly All Devices Are Capable of Decentralized Authentication (Secure Enclave, Trust Zone, SGX)
BUSINESS OUTCOMES

CONSUMER ACCESS

• ELIMINATE FRAUD & CREDENTIAL REUSE
• ACCELERATE LOGIN
• ENHANCE CUSTOMER EXPERIENCE

EMPLOYEE ACCESS

• PREVENT PHISHING AND BREACHES
• REDUCE COSTS OF COMPLEX PASSWORDS
• IMPROVE EMPLOYEE PRODUCTIVITY
THANK YOU!

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