



# WHAT WORKS AND WHAT DOESN'T

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# UPGRADING AND IMPLEMENTING CYBER SECURITY TECHNOLOGIES

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# WE'RE IN THE ERA OF THE BIG BANG BREACH

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YAHOO!

3 BILLION



5 MILLION



117 MILLION

**EQUIFAX**

143 MILLION



50 MILLION



145 MILLION



80 MILLION



70 MILLION





### SECURITY MANAGEMENT AND COMPLIANCE

**Managed Security Service Providers**

**ISPs**

**Security Training**

**Compliance, Risk and Governance**

### EMBEDDED SECURITY

**Secure Supply Chain Coverage**

**Software Protection**

**Software Protection & Malware**

**Endpoint Threat Detection & Response**

### IDENTITY AND ACCESS MANAGEMENT

**Single Sign-On**

**Identity Governance and Administration**

### INFRASTRUCTURE SECURITY

**Cloud Security**

**Enterprise Network Security**

**Network Protection Systems**

**Network Access Control**

**Unified Threat Management**

### APPLICATION SECURITY

**Application Security Testing**

**Web Application Firewalls**

**Application Profiling**

### SECURITY PARTNERS

### SECURITY ORGANIZATIONS

**Industry & Academic**

**Professional Associations & Certification**

**Government**

### CLOUD SECURITY

**Secure Web Gateway**

**Network Protection**

**Third-Party Risk**

### CLOUD SECURITY

**Secure Web Gateway**

**Network Protection**

### MOBILE SECURITY

**Mobile Data Protection**

**Mobile Device Management**

### SECURITY CONFERENCES

### ANALYST ROLES

# Expectation







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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**

**Username & 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

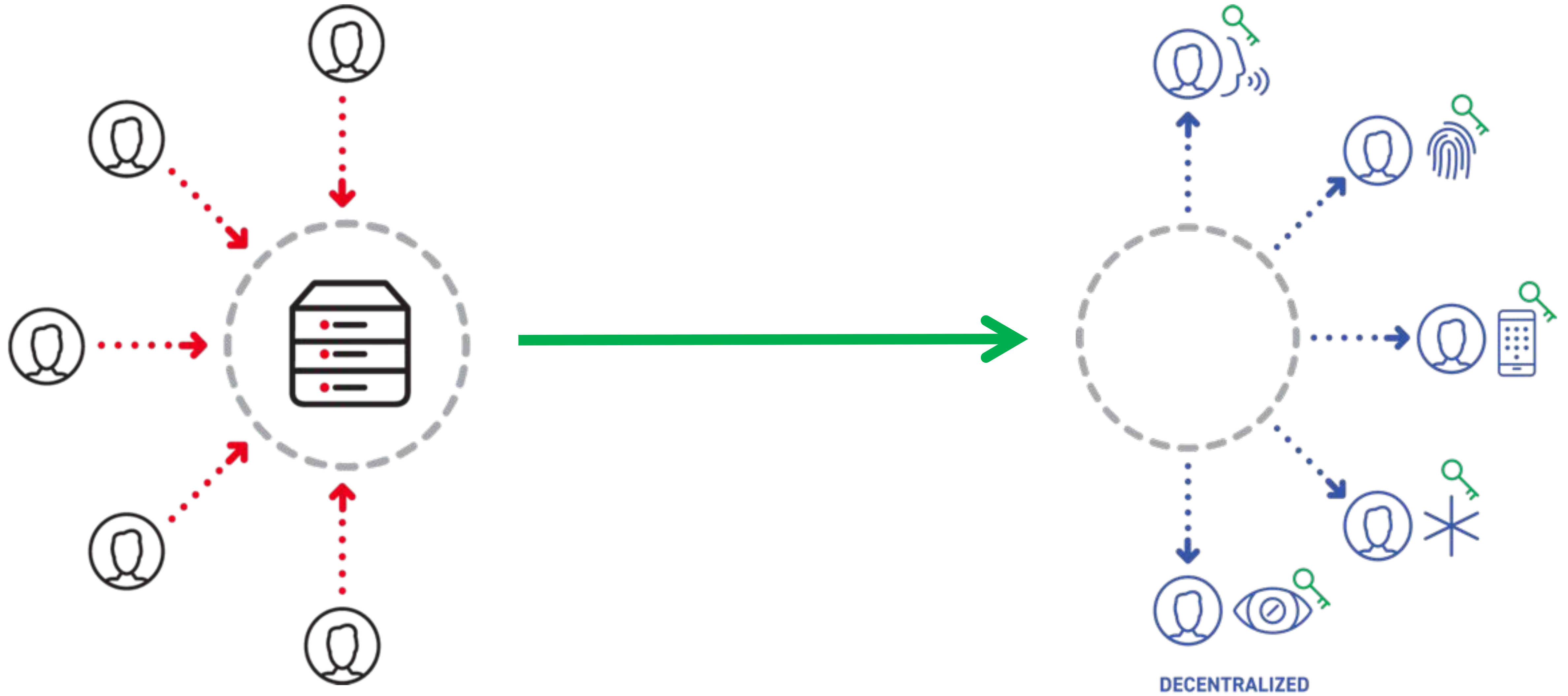
The Collateral Damage That Happens From  
Breaches Outside Of Enterprise Control

# #1 CISO Spend

## Access and Authentication

Source: Sans Analyst Research

# DECENTRALIZING CREDENTIALS REMOVES THE BIG BANG BREACH





# WHY IS IT POSSIBLE NOW?

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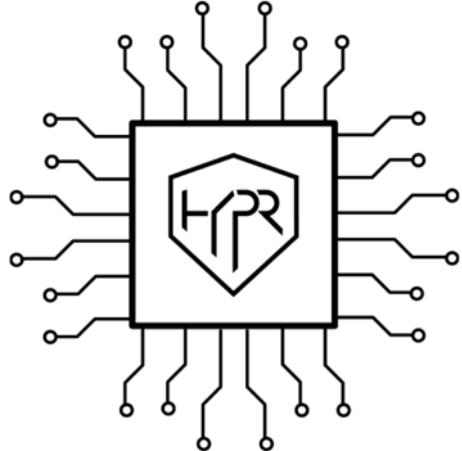
## Sensors

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

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## 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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