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It's Not About Awareness. It's About Managing Human Risk



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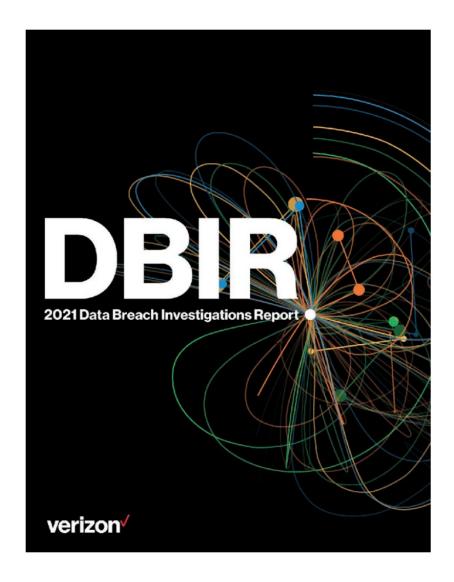
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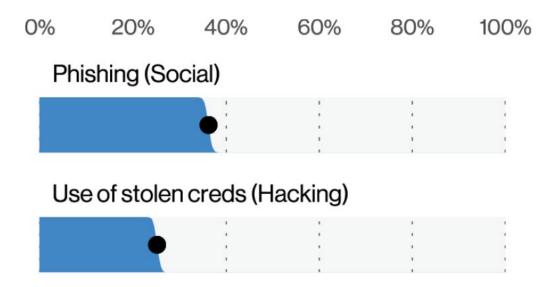


### The Problem

Sper attack



## 85% of breaches involve the human element



SMB over QUIC DNS over ATTPS

Windows Sandbox

Edge Browser **Biometrics** 

Credential Guard

Microsoft Security Essentials

Encrypted File System

AppLocker

Mandatory Integrity Control

Windows Service Hardening

Bitlocker

User Account Control

**ASDL** 

Windows Defender

Malicious Software Removal Tool

Data Execution Protection (DEP)

Baseline Security Analyzer

**WindowsOS** 

Firewall Enabled by Default

Microsoft Secure Development Lifecycle

Automatic Updating

Software Restriction Policies Trustworthy Computing

**HumanOS** 

2002 2004

2006

2008

2010

2012

2014

2016

2018

2020

2022



# People are not the weakest link - they are the primary attack vector





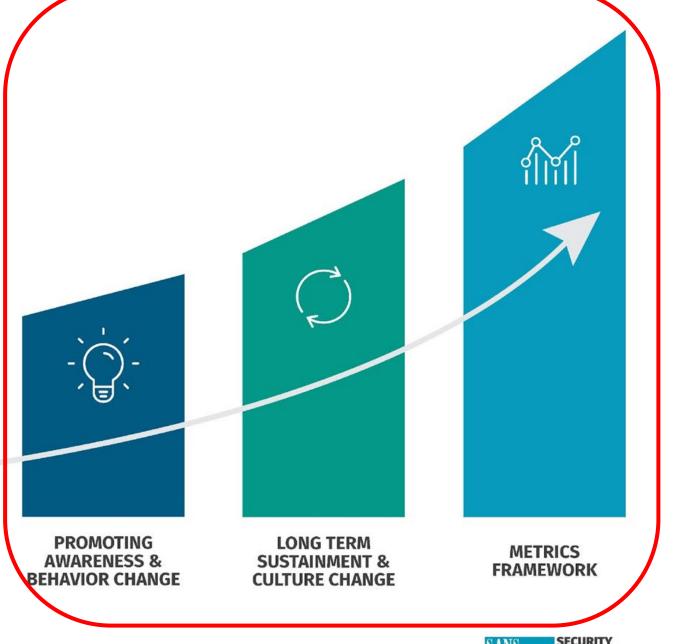
# Manage human risk by changing human behavior





# **Security Awareness Maturity Model**













What Are My Top Human Risks & the Behaviors that Manage Those Risks?



Engage, Motivate & Train

Security Awareness Program

Am I Effectively Changing Those Behaviors?



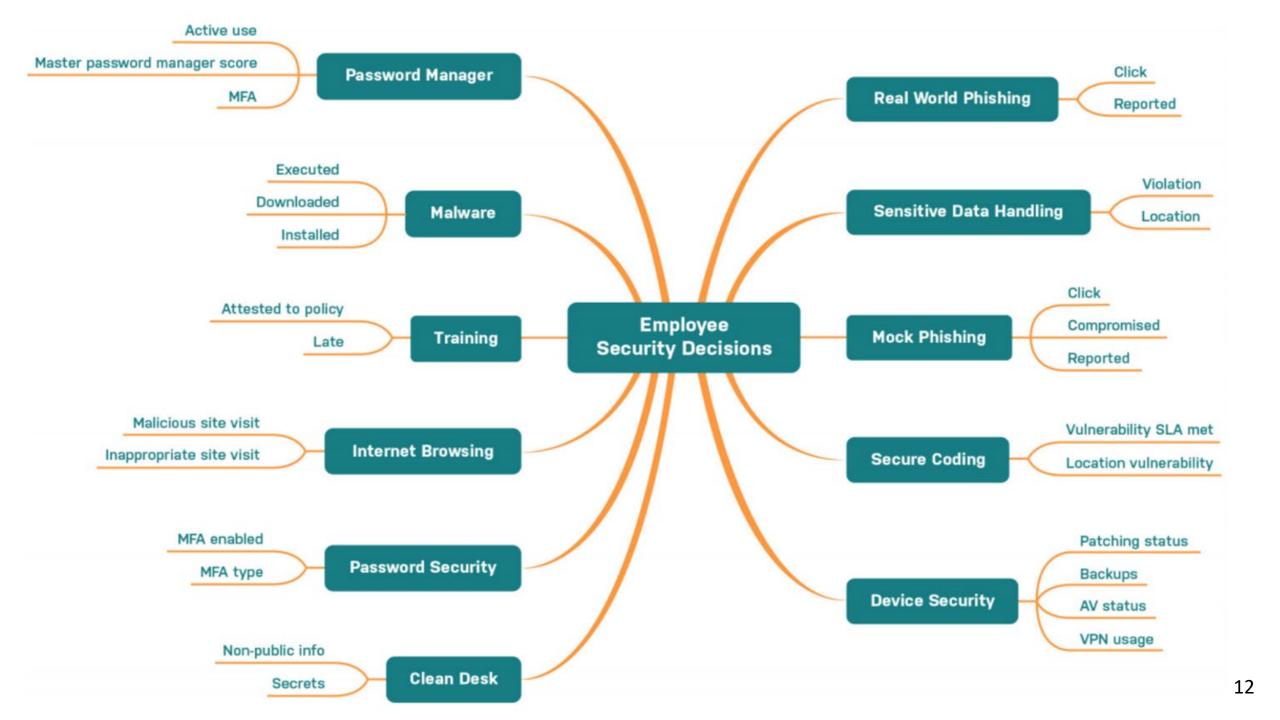


What If We Could Bring
Together Seemingly
Unrelated, Readily
Available Data To Create
A Picture Of Human Risk?



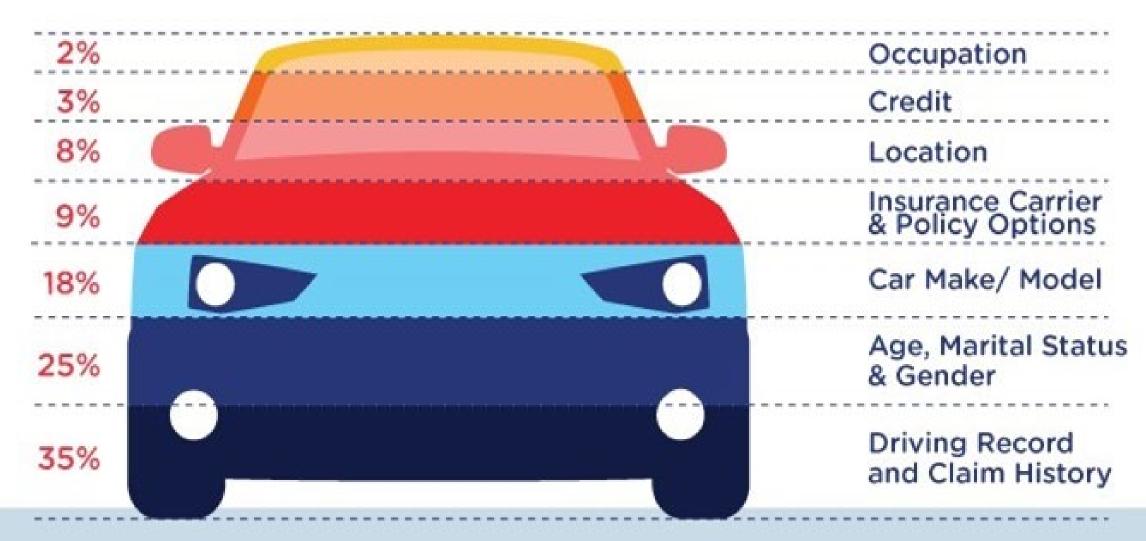








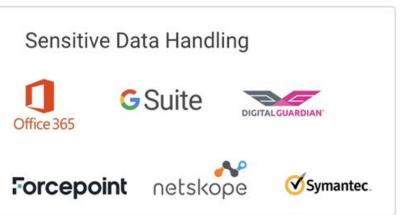




#### Pull data from tools you already have







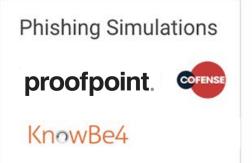








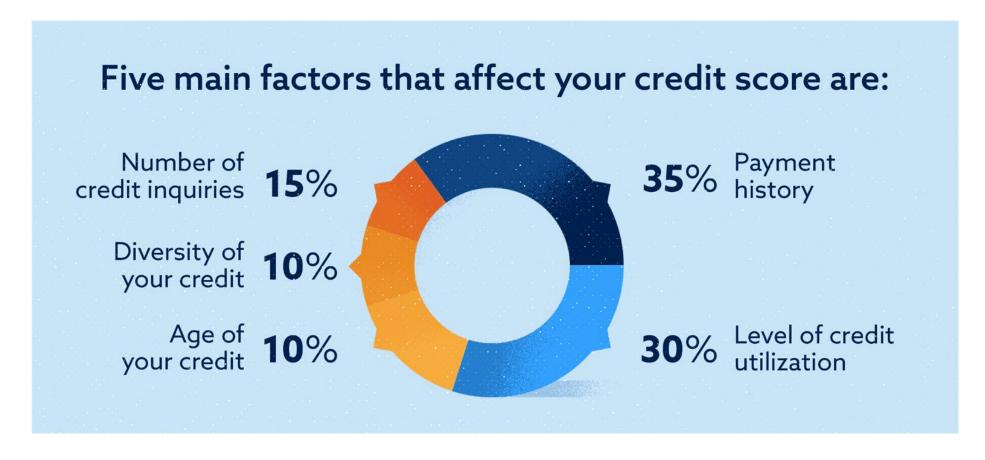






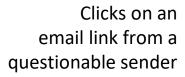


#### **What Impacts Credit Scores?**



#### **HUMAN RISK SCORE**

Based on role, access & decisions





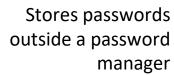
<u>...</u>

Accesses customer data

Sends files from their business email to personal email



**Visits** inappropriate sites





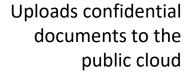


Is frequently attacked





Uses a weak password







Clicks on ad bait



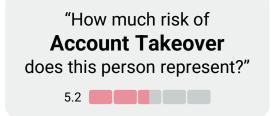




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#### Aggregate data sets to predict risk





"How much risk of **Data Loss**does this person represent?"

"How much risk of **Ransomware** does this person represent?"

Phishing

Sensitive Data Handling

Malware

Identity Security Internet Browsing Physical Security

Training

Device Security Attacks Received

Access















#### When You Get Back



- Identify who is in charge of managing your human risk
- Work with your security team to identify and prioritize your top three human risks & key behaviors that manage those risks
- Identify how you will measure those behaviors
- Focus on these top three human risks for next 12 months



