HumanFirewall®
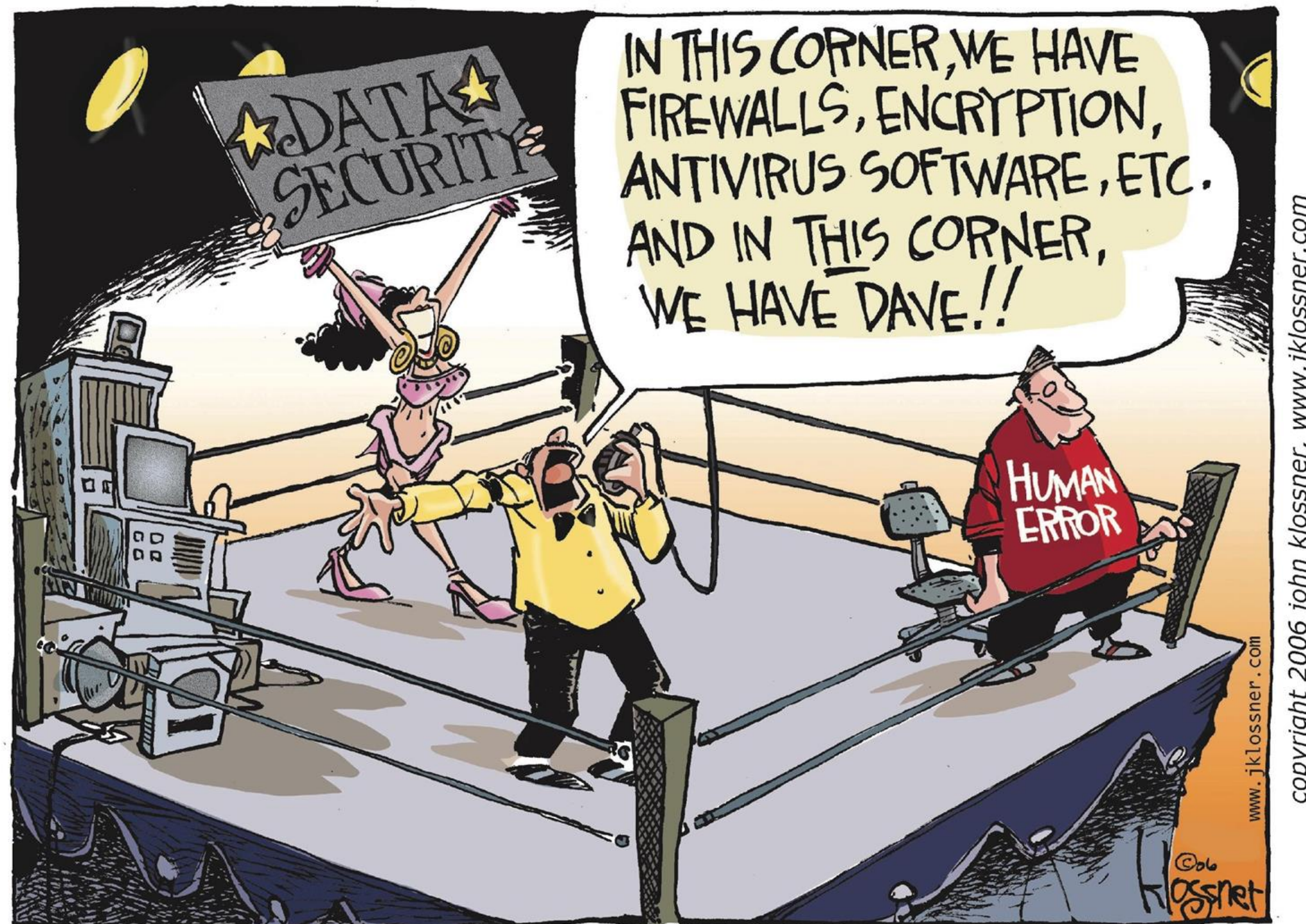
EMPLOYEE POWERED INFORMATION SECURITY

INFOSEC
VENTURES

The Problem

Your employees today cannot identify a real Cyber Attack!

Humans are the weakest link in Cybersecurity!

"91% of data breaches reported in the previous year were originated at the Human Layer."

- Gartner

There are over 20,000+ types of attack scenarios!

How many can you train your people for...

It is impossible to train for all...

Hackers play on Psychology.

Findings of 2018 research carried out by HumanFirewall®

Urgency
"Your password expires in 24hrs. Click Here to create a new password"

Greed
"Refund Initiated. Enter your details to get the refund amount"

Fear
"Fraudulent transaction recorded in your bank account. Click here to prevent it!"

Apathy
"IT Notification: Download this flash update to view media on your system."

Hubris
"Think you can win this competition? Click Here"

Ignorance
"Did you register for the free Gift Card yet?"

Obedience
"Send me the files urgently, going in for the big meeting"

Solution: Five Pillars of HumanFirewall

1 P

2 R

3 R

4 O

5 F

PSYCHOLOGY

Alter the psychology of users and train them on 'How to identify phishing attacks?', no matter what type of attack.

Make users suspicious by nature.

REPORTING

Create a 'Culture of Reporting' such that one user is enabled to save the entire organisation.

REPORT IT! DO NOTHING IS NOT AN OPTION.

REMEDIATION

Deep/Native integration into the core email services, such that attacks can be remediated in seconds

Available for O365, Gsuite/ Exchange.

ORCHESTRATION

SOAR Capability: API based or STIX based broadcasting of the 'Indicators of Compromise' across the organisation's cyber platforms to ensure enterprise-wide protection.

FEDERATION

Federate 'Indicators of Compromise' across all associated organisations and entities, to ensure that 'Bad actors' cannot try this across the sector.

Security Awareness & Training

The 3 generations!

Spray & Pray!

1

Spray Emails, Put up posters, Do tedious classroom trainings etc.

PRAY that everyone will see them!

Phishing Simulations Based Awareness & Training!

2

Big leap up! Measurable Reports.

Training is worth nothing if it can't help remediate in the event of a real attack!

All that training & measurement, but for what?!

Gen 1 + Gen 2 + Remediation!

3

HumanFirewall®
EMPLOYEE POWERED INFORMATION SECURITY

Armed with everything from Generation 1+2.
Add a whole lot more automation + Learning Paths.
Move away from a campaign based approach, to a personalised, individual based approach + Add Real time remediation!

AND NOW use all that rich information to REMEDIATE REAL ATTACKS - Manual or Machine Learning based.

www.humanfirewall.io
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Psychology

Make your employees suspicious by nature!

100% Employee Participation!

Use over 400 Phishing Simulation Scenarios, designed by master practitioners and security researchers. These are easily customisable on the dashboard and simulations can be automated to ensure full participation!

Easy, Crisp Content!

Attach over 30 Multilingual Training Modules with short and crisp content, Quizzes, 2-3 minute Videos, designed to seamlessly run on any device!

Human Cybersecurity Awareness Index!

Keep a track on scores of all employees individually and also strong/weak areas of awareness in your organisation!

Reporting

Report it! or **Get Compromised!**
Doing nothing is not an option from today!

Enable your employees to save the organisation through a single click!

Take the friction out of reporting by installing a Reporter Button in the heart of their mailboxes!

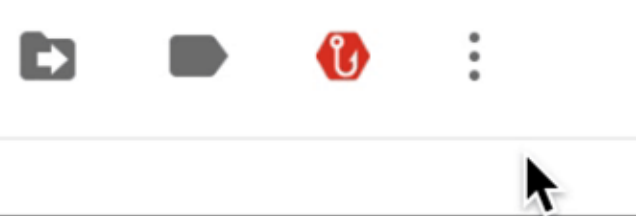**HumanFirewall dashboard simplifies reporting for users through automated insight banners for users!**

⚠ **HumanFirewall** ®
EMPLOYEE POWERED INFORMATION SECURITY | HumanFirewall couldn't recognize this email as this is the first time you received an email from this sender {FIRST_NAME} {LAST_ Please be cautious with this email.
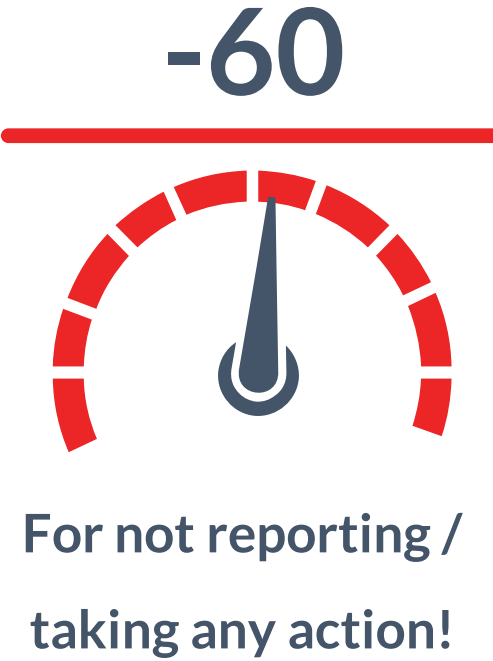
Native Integration
With Outlook, O365, G Suite, Exchange & more.

Smart Scoring:

+40

For successfully reporting an Email!

-60

For not reporting / taking any action!

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Remediation

Taking action on Reporter Emails, Simplified.

EmailRemediator™ allows the administrator to take actions on all reported emails like Labelling, Quarantining and Deleting it across all inboxes in seconds!

Simplified Threat Intel: EmailRemediator™ dashboard automatically shows threat intel like hidden links, attachments, SPF, DKIM & DMARC status, Spam Scores and IP reputations on all reported emails, making it simple for the administrator to judge the authenticity of an email!

Threat Email Reported
Reported Email will reach the EmailRemediator Dashboard in real-time with an optional personalised message from the user.

Org - Wide Search for Same Email
The administrator can search all mailboxes for the recipients of the same Email / Potential Threat.

EmailRemediator.com

Now | 5 Sec | 10 Sec | 30 Sec

Check for Red Flags
The administrator will check for red flags in the email through the Threat Intel provided on the dashboard.

Quarantine/Delete Email for all!
Threat mitigated! Administrator can take any action on that email in just 2 clicks!
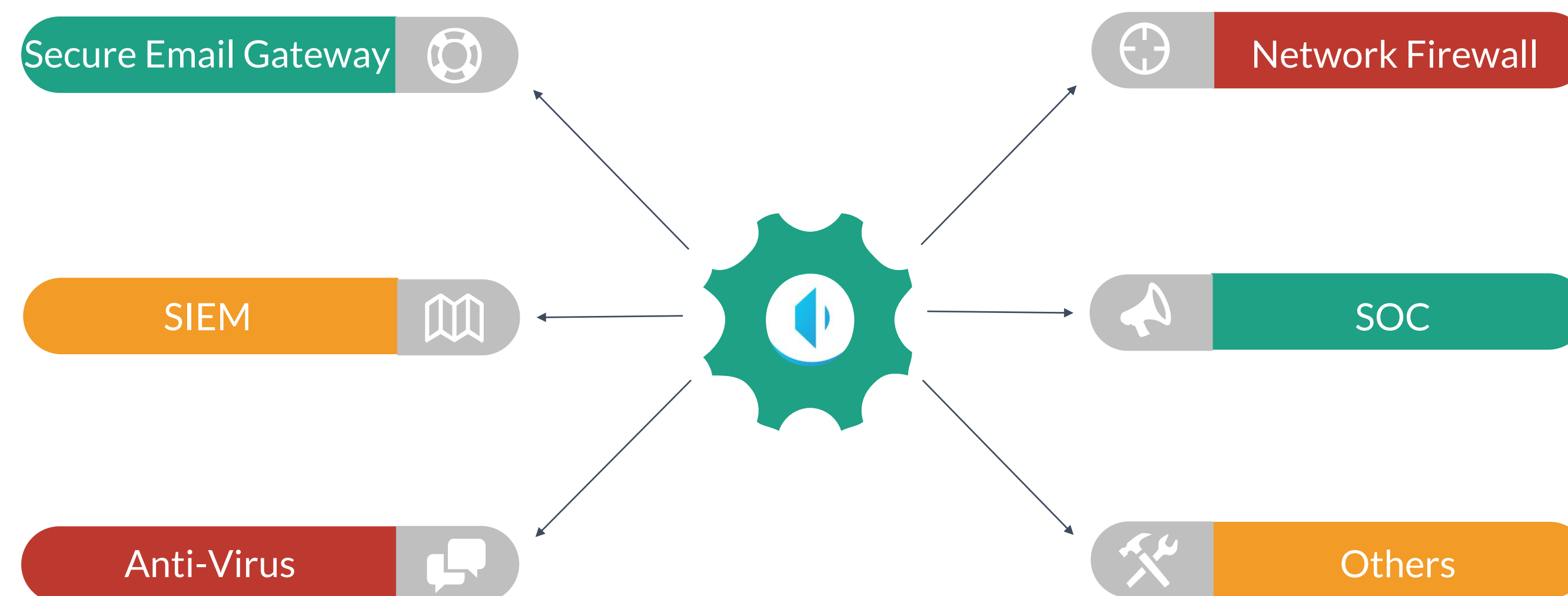
Orchestration

Broadcast Threat Intel to all other Cybersecurity Investments

Ensure a 360 degree protection.

SOAR Capability: API or STIX based broadcasting of "Indicators of Compromise" like IP addresses, URLs, Emails and more, to all other cyber products at your organisation!
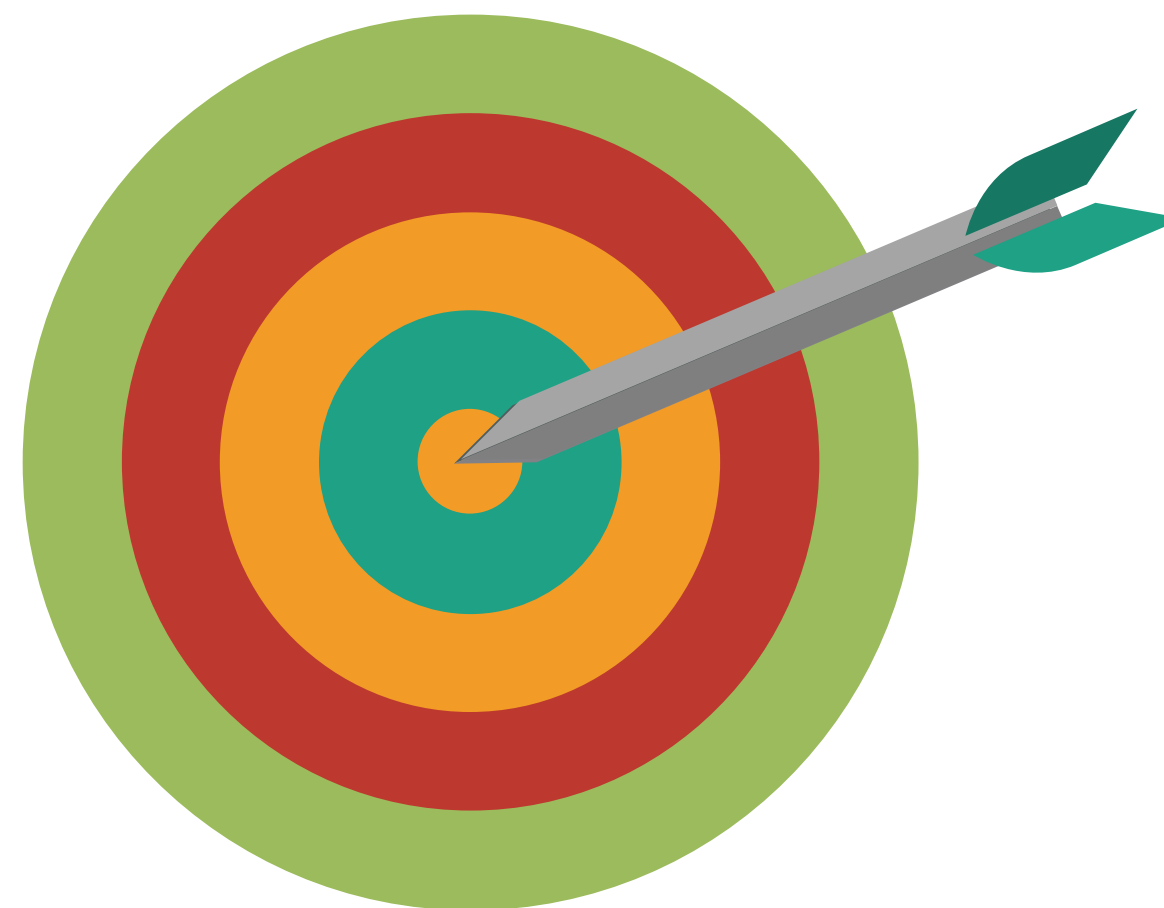
Secure Email Gateway

Network Firewall

SIEM

SOC

Anti-Virus

Others

Federation

Safeguard Against Industry Specific Targets

Broadcasting "Indicators of Compromise" all across our customers, and globally renowned Cybersecurity Communities.

HumanFirewall®
EMPLOYEE POWERED INFORMATION SECURITY

Turn you Industry Peers into Human Firewalls for you and safeguard against industry-targeted attacks!

Don't become a part of these Statistics

Fraudsters are using clever impersonation techniques to siphon millions from unprotected businesses

FINANCIAL TIMES

" FT Investigations

FBI: $2.3 Billion Lost to CEO Email Scams

The 'bogus boss' email scam costing firms millions

B B C

Exclusive: Facebook and Google Were Victims of $100M Payment Scam

FORTUNE

CEO fired after 'fake CEO' email scam cost firm $47m

Liam Tung (CSO Online) on 26 May, 2016 09:29

CSO
FROM IDG

REUTERS — Cyber attack on Union Bank of India similar to Bangladesh heist: WSJ

TECHNOLOGY NEWS | Mon Apr 10, 2017 | 12:28pm EDT

Cyber attack on Union Bank of India similar to Bangladesh heist: WSJ

September 17, 2016

Leave a comment

Fake email dupes HR into spreading massive phishing scam

CEO Fraud scams target a person's judgement rather than a company's network defenses. Such scams are usually conducted by an attacker who impersonates a C-level employee and instructs a subordinate via email to wire funds to an account under the attacker's control.

11

Phishing Can Be Damaging!

HUMANFIREWALL IS THE ONLY SOLUTION.

Harvard Business Review

RISK MANAGEMENT

# The Best Cybersecurity Investment You Can Make Is Better Training

by **Dante Disparte** and **Chris Furlow**

MAY 16, 2017

"Spending millions on security technology can certainly make an executive feel safe. But the major sources of cyber threats aren't technological. They're found in the human brain, in the form of curiosity, ignorance, apathy, and hubris. These human forms of malware can be present in any organization and are every bit as dangerous as threats delivered through malicious code." Harvard Business Review, May 2017
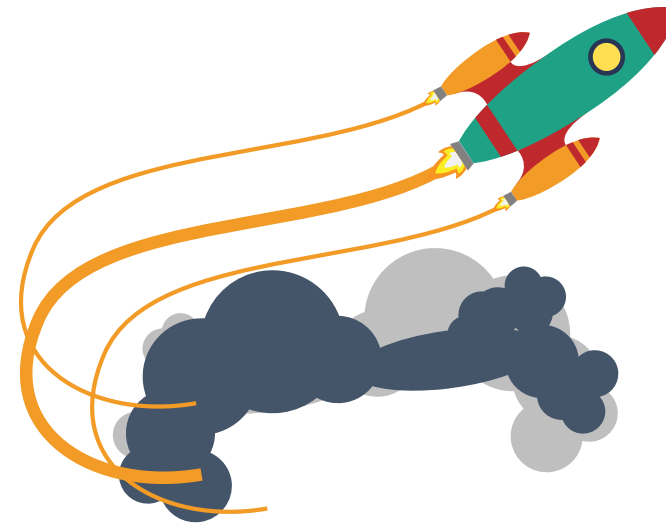
FOR THE FIRST TIME EVER

GET THE TWO INDICES THAT MATTER THE MOST TO YOUR ORGANISATION

HCSA.

&

HISP.

HUMAN CYBER SECURITY
AWARENESS INDEX

HUMAN INFORMATION SECURITY
PREPAREDNESS INDEX

HumanFirewall®
EMPLOYEE POWERED INFORMATION SECURITY

FOR THE FIRST TIME EVER – GET YOUR HUMAN CAPITAL'S ACTUAL SECURITY POSTURE

HCSA.

HUMAN CYBER SECURITY AWARENESS INDEX

WHAT DOES IT MEAN FOR YOU?

1. Percentage level of 'Training': How many have completed how many training modules?

2. Champions Vs Weakest Links: Who are the fastest and most accurate reporters, and who are the weakest links, the 'repeat clickers'?

3. What are the weakest areas of cyber security training, and thus require specific attention?

4. Status of Old Vs New Staff: Have the new employees caught up in training with the old ones?
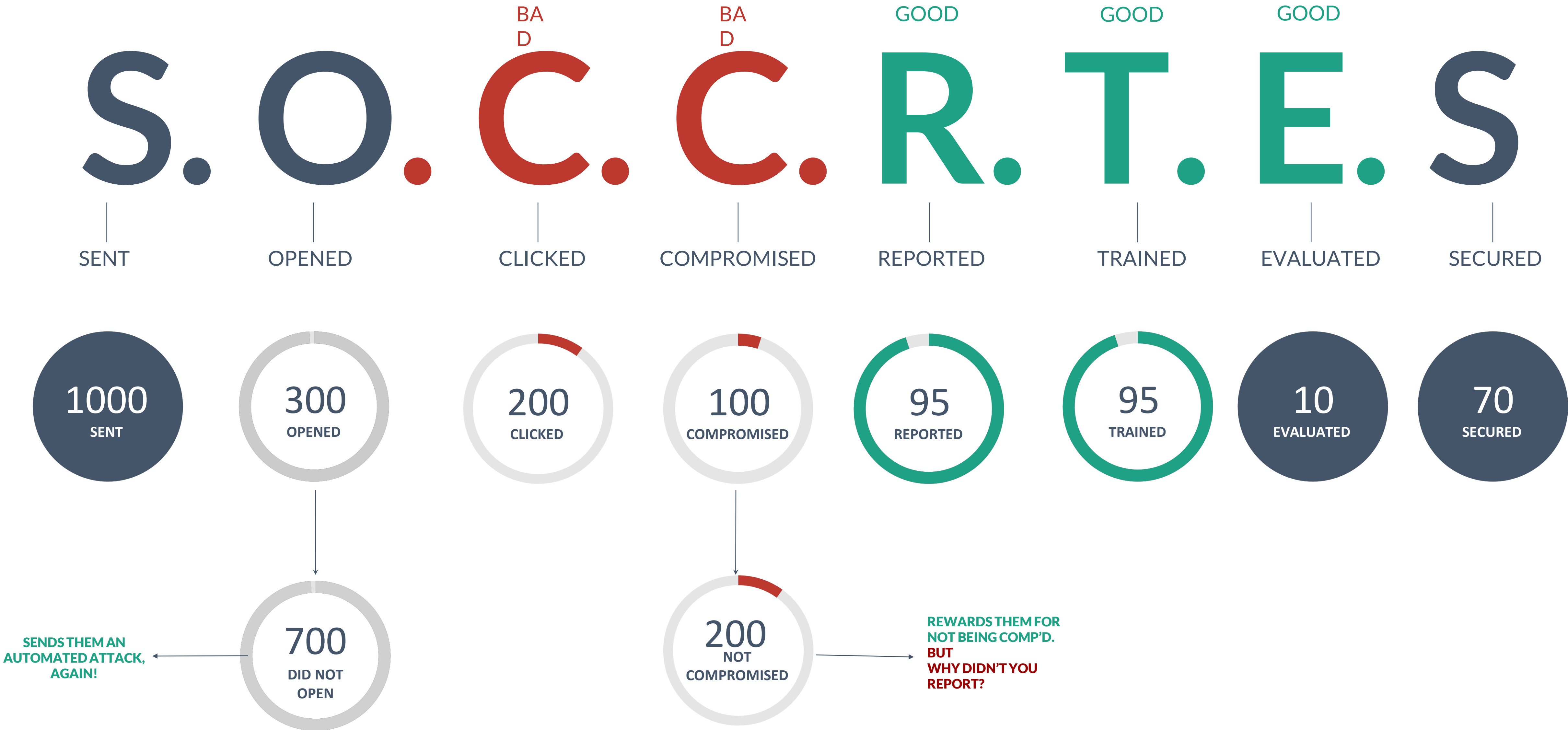
   ++ SEVERAL OTHER MEASURABLE METRICS ++

TAKE THE GUESSWORK OUT, AND SHOW YOUR BOARD THE REAL SITUATION.

HOW?

1. Automated Onboarding via integration with AD/G Suite/O365/Lotus/Zimbra/LDAP/etc.

2. Automated 'Learning Path' completion and Accelerated mode for new staff, whenever they may join.

THE UNIQUE **SOCCRTES** FRAMEWORK

What you can measure, You can manage.

S. O. C. C. R. T. E. S

BAD — CLICKED
BAD — COMPROMISED
GOOD — REPORTED
GOOD — TRAINED
GOOD — EVALUATED

SENT | OPENED | CLICKED | COMPROMISED | REPORTED | TRAINED | EVALUATED | SECURED

1000 SENT
300 OPENED
200 CLICKED
100 COMPROMISED
95 REPORTED
95 TRAINED
10 EVALUATED
70 SECURED

700 DID NOT OPEN

SENDS THEM AN AUTOMATED ATTACK, AGAIN!

200 NOT COMPROMISED

REWARDS THEM FOR NOT BEING COMP'D.
BUT
WHY DIDN'T YOU REPORT?

15

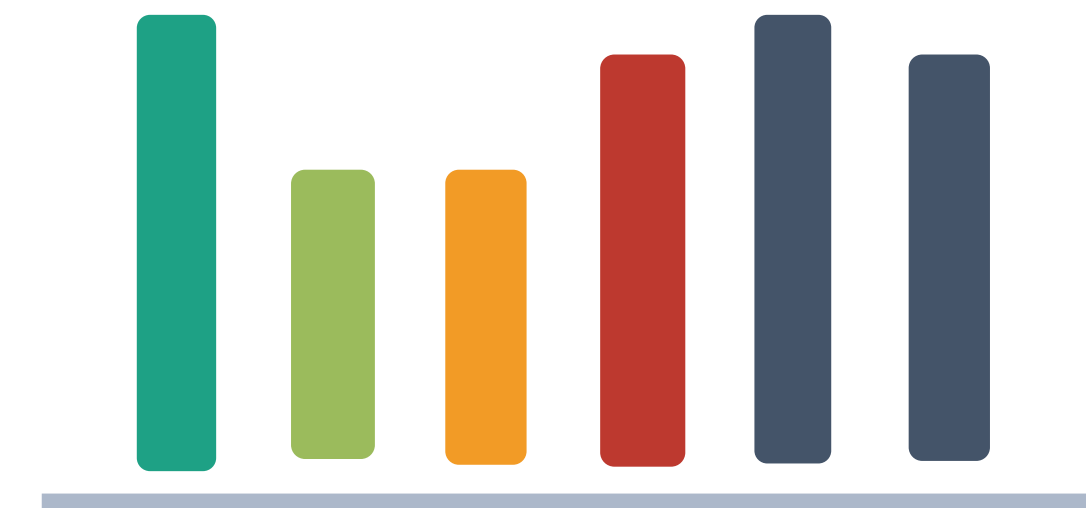# FOR THE FIRST TIME EVER – SEE HOW FAST YOUR EMPLOYEES PICK UP ON THE ATTACK

HISP.

HUMAN INFORMATION SECURITY PREPAREDNESS INDEX

WHAT DOES IT MEAN FOR YOU?

1. Percentage of people who 'REPORT'?

2. Percentage of people who tend to get 'Compromised' or 'Lured'

3. Time to 'Report'

4. Time to 'Remediate'

++ SEVERAL OTHER MEASURABLE METRICS ++

TAKE THE GUESSWORK OUT, AND SEE HOW YOU WOULD FARE IN A REAL ATTACK.

The difference between school and life?

*"In school, you're taught a lesson and then given a test.
In life, you're given a test that teaches you a lesson."*

SCHOOL APPROACH

1 **Teach**
Use personalised media to train individual employees through unique campaigns on email and SMS

2 **Test**
Use simulation on Email/ SMS to test that employees have individually understood the fundamental cyber security constructs

3 **Remedy**
Use crowd-powered phishing security mechanisms to protect the entire organisation

LIFE APPROACH

1 **Test**
Use personalised media to train individuals employees through unique campaigns on email and SMS

2 **Teach**
Use simulation on Email/SMS to test that employees have individually understood the fundamental cyber security constructs

3 **Remedy**
Use crowd-powered phishing security mechanisms to protect the entire organisation

WHY THE HUMANFIREWALL PLATFORM?

A unified platform for managing people powered cyber security

Unique Teachable Moments

Platform treats each citizen individually. Unique teachable moments are created and delivered. Tests are conducted at the point of teaching.

Gamified Learning Approach

Rather than classroom training, the platform creates a game that is known to deliver unforgettable lessons.

Real-Time People Powered Security

Citizens Find, Citizens Report & the Platform protects by linking into the critical internet infrastructure to facilitate near real-time phishing site takedown.

Multi-Channel & Multi -Lingual

From Phishing to Vishing, to Smishing, to Whishing and beyond + Multi-lingual capability.