GUARDBYTE

07 December 2022 - Nicosia

Time to adapt !

Lampros Katsonis
Solutions Director - Guardbyte

SecurityScorecard

"The world has changed...it has moved...a few vertebrae »

Julien Doré

GUARDBYTE

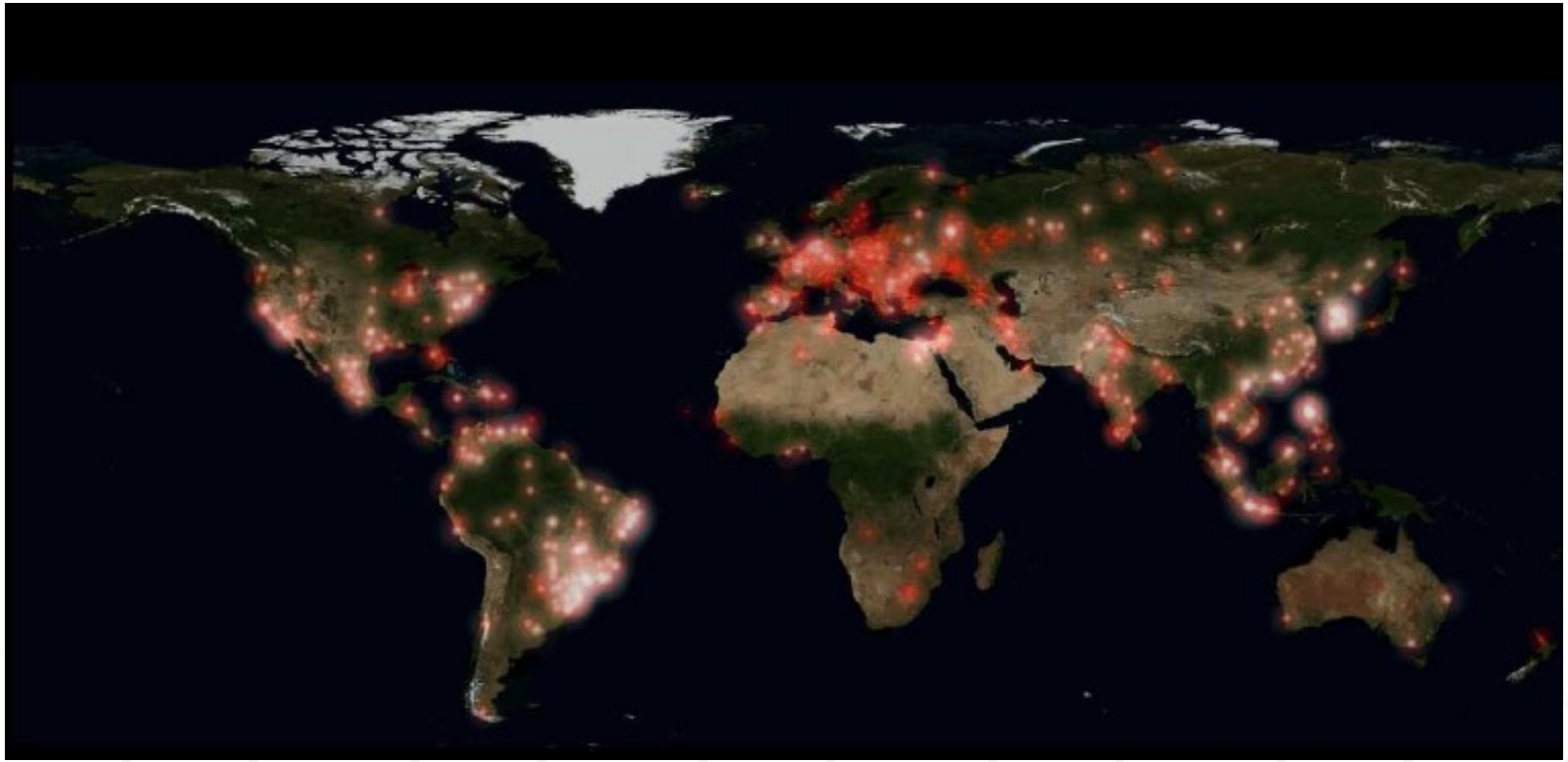
SecurityScorecard

The Internet, as most people see it...

GUARDBYTE

SecurityScorecard

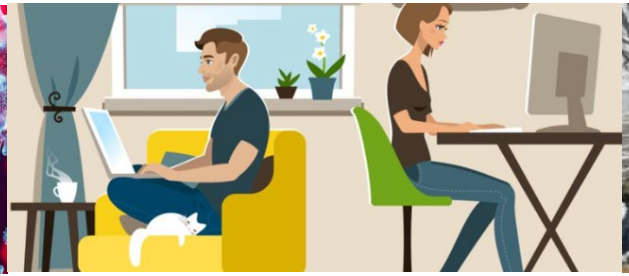
Internet, as hackers see it...



GUARDBYTE

SecurityScorecard

Why, with all the means we have put in place for more than 20 years: risk analysis, ISMS, role of CISO, PSSI- anti-virus, firewall, IPS, are cyber attacks as effective in 2022?


Have we properly assessed and addressed cyber risk?!

GUARDBYTE

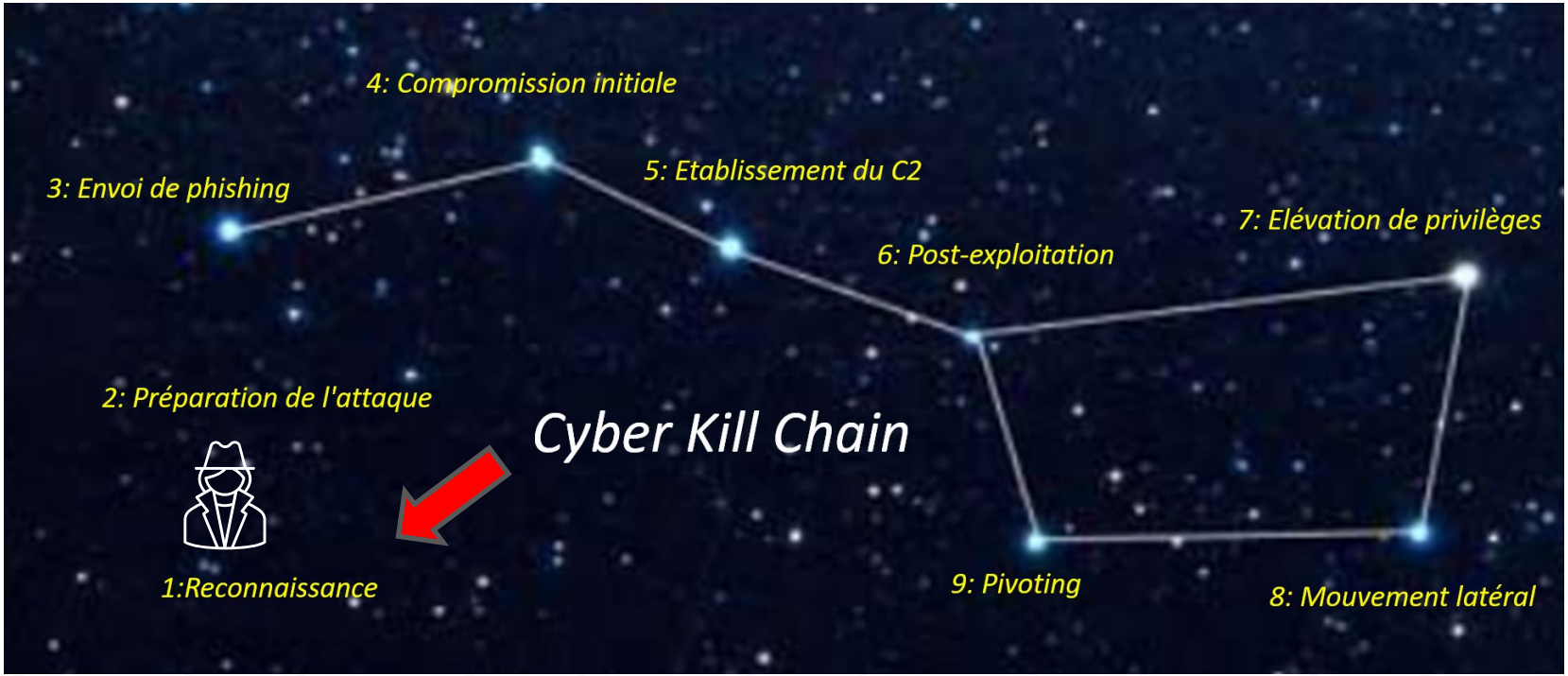
SecurityScorecard

Specialists recognize patterns...

GUARDBYTE

SecurityScorecard

Let the hackers exploit!



GUARDBYTE

SecurityScorecard

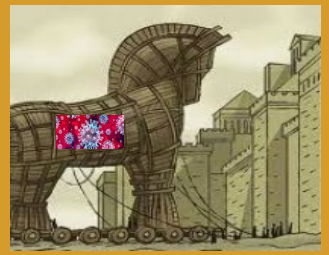
How cyber-attacks work (part1)

Attack surface

Target reconnaissance

Phishing emails to target

Initial compromission



GUARDBYTE

SecurityScorecard

How cyber-attacks work (part1)

Attack surface

Remote control and distribution of ransomware throughout the network

Displaying a ransomware message on the screens

Maintaining inside the system, malfunctions and repeated ransom demands

GUARDBYTE

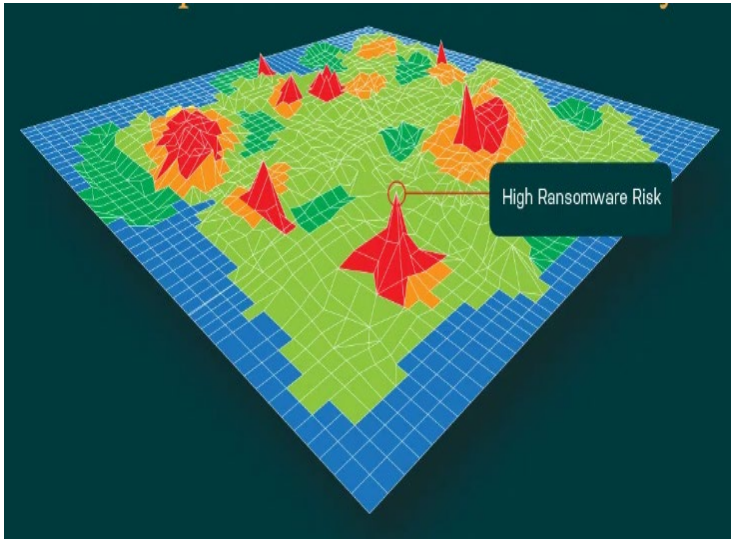
SecurityScorecard

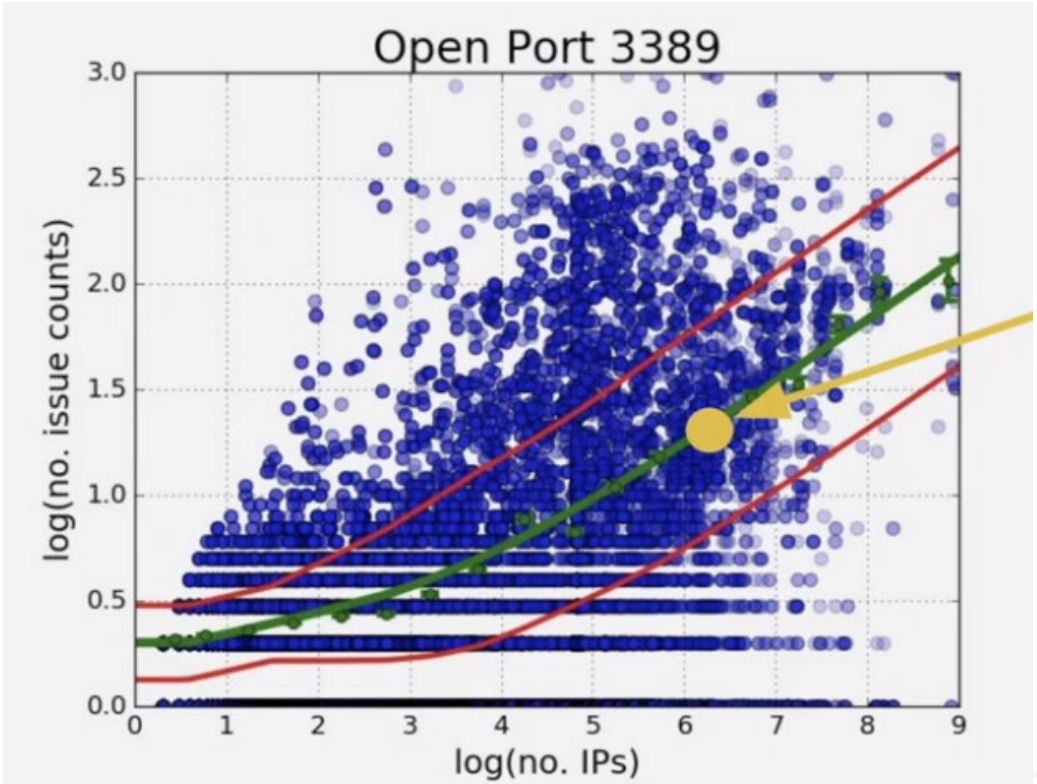
It is high time to change our approach and defensive paradigm!

"It is not the strongest of the species that survives, nor the most intelligent, but the one that best adapts to change" **- Charles Darwin**

GUARDBYTE SecurityScorecard

So, what is my attack surface?





GUARDBYTE

SecurityScorecard

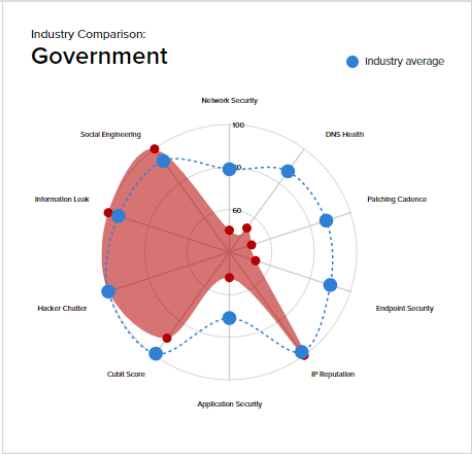
An easy attack...

F 46

Threat Indicators

F 31	NETWORK SECURITY	Detecting Insecure network settings
F 42	DNS HEALTH	Detecting DNS Insecure configurations and vulnerabilities
F 33	PATCHING CADENCE	Out of date company assets which may contain vulnerabilities or risks
F 39	ENDPOINT SECURITY	Measuring security level of employee workstations
A 100	IP REPUTATION	Detecting suspicious activity, such as malware or spam, within your company network
F 36	APPLICATION SECURITY	Detecting common website application vulnerabilities
A 90	CUBIT SCORE	Proprietary algorithms checking for implementation of common security best practices
A 100	HACKER CHATTER	Monitoring hacker sites for chatter about your company
A 100	INFORMATION LEAK	Potentially confidential company information which may have been inadvertently leaked
A 100	SOCIAL ENGINEERING	Measuring company awareness to a social engineering or phishing attack

Industry Comparison:
Government



VULNERABILITIES	MEASURE
Open Ports	31
Site Vulnerabilities	6,884
Malware Discovered	0
Leaked Information	0

GUARDBYTE

SecurityScorecard

A much more difficult attack!

A 96

Indicateurs de menace

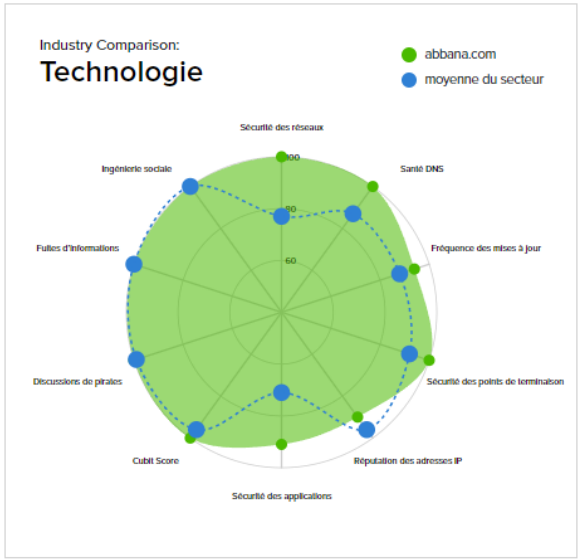
A 100 **SÉCURITÉ DES RÉSEAUX**
Détecte les paramètres réseau peu sûrs

A 100 **SANTÉ DNS**
Détecte les configurations DNS non fiables et les vulnérabilités

A 94 **FRÉQUENCE DES MISES À JOUR**
Éléments périmés pouvant présenter des vulnérabilités ou des risques

A 100 **SÉCURITÉ DES POINTS DE TERMINAISON**
Detecting unprotected endpoints or entry points of user tools, such as desktops, laptops, mobile devices, and virtual desktops

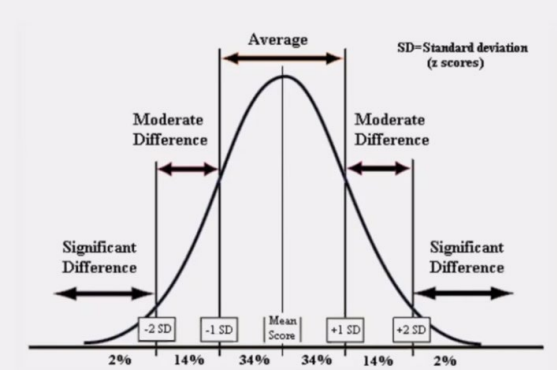
A 90 **RÉPUTATION DES ADRESSES IP**
Détection des activités suspectes (malware ou spam) sur votre réseau

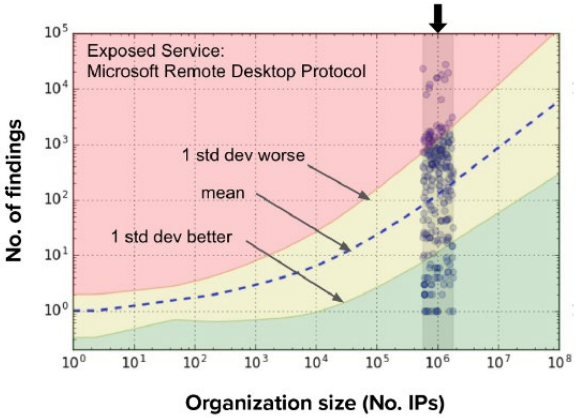


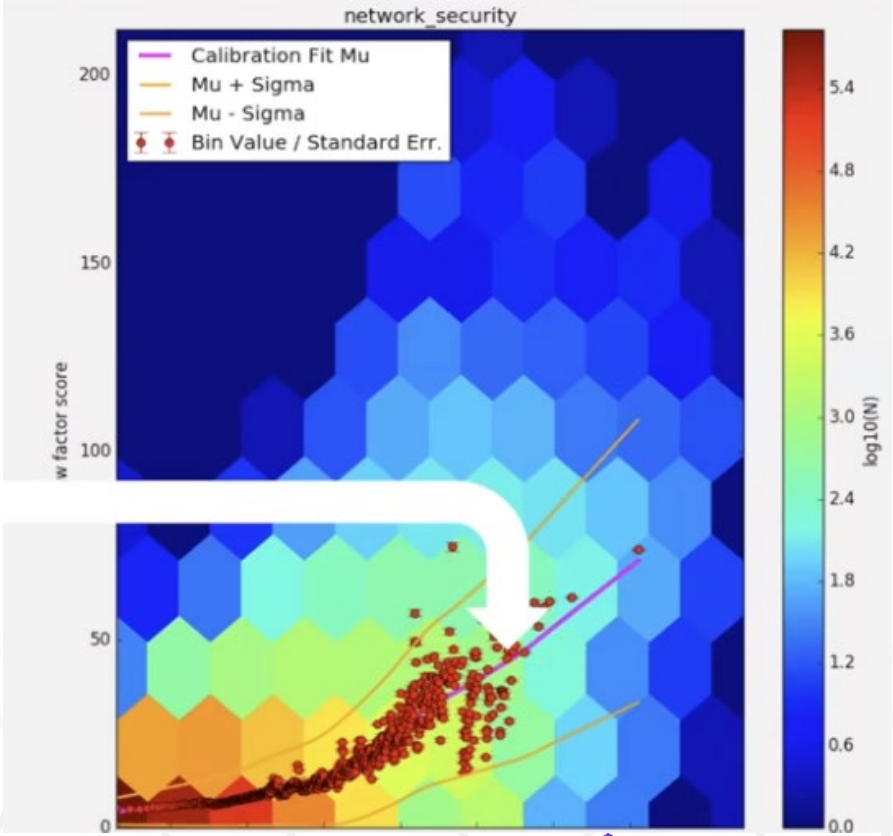
GUARDBYTE

SecurityScorecard

A Bayesian sampling model



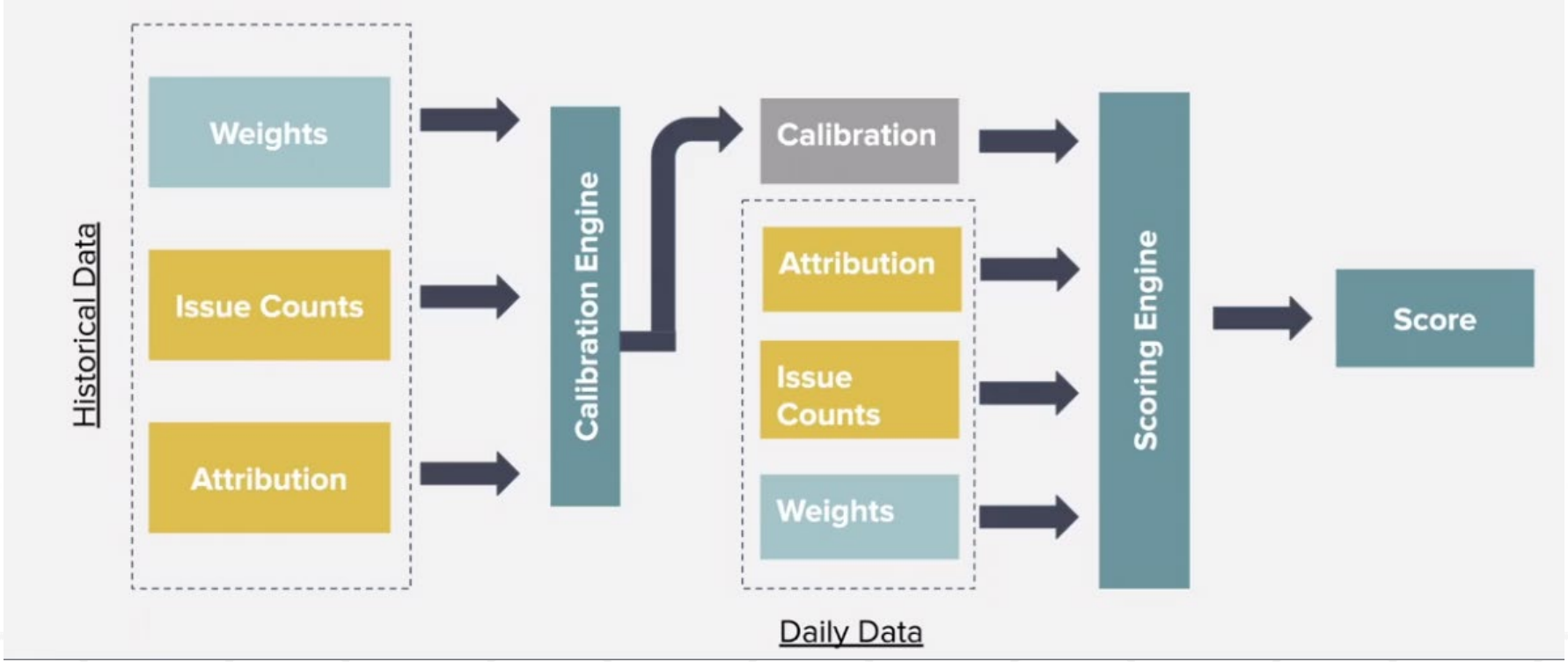




GUARDBYTE

SecurityScorecard

Scoring process: Calibration-Refreshing-Score



GUARDBYTE

SecurityScorecard

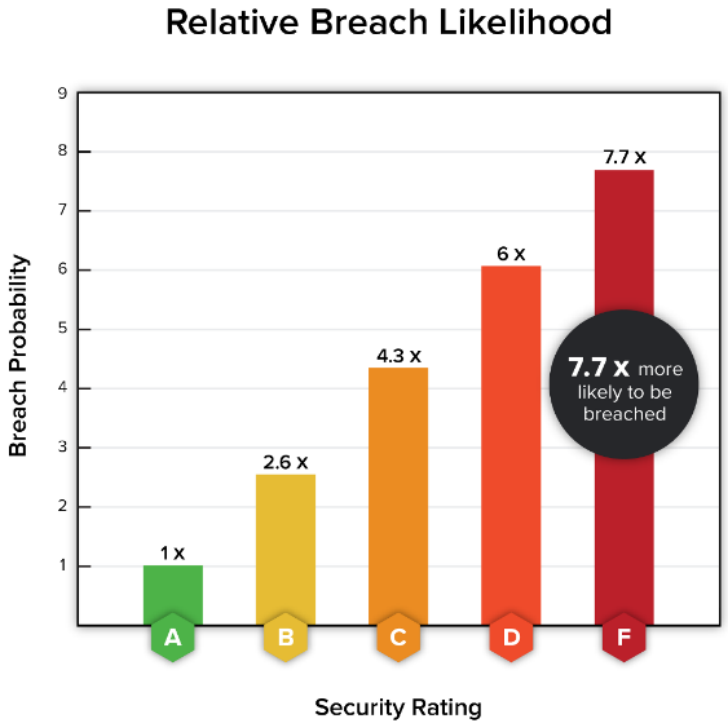
Scoring process: 10 factors -> 1 grade from A to F

GUARDBYTE

SecurityScorecard

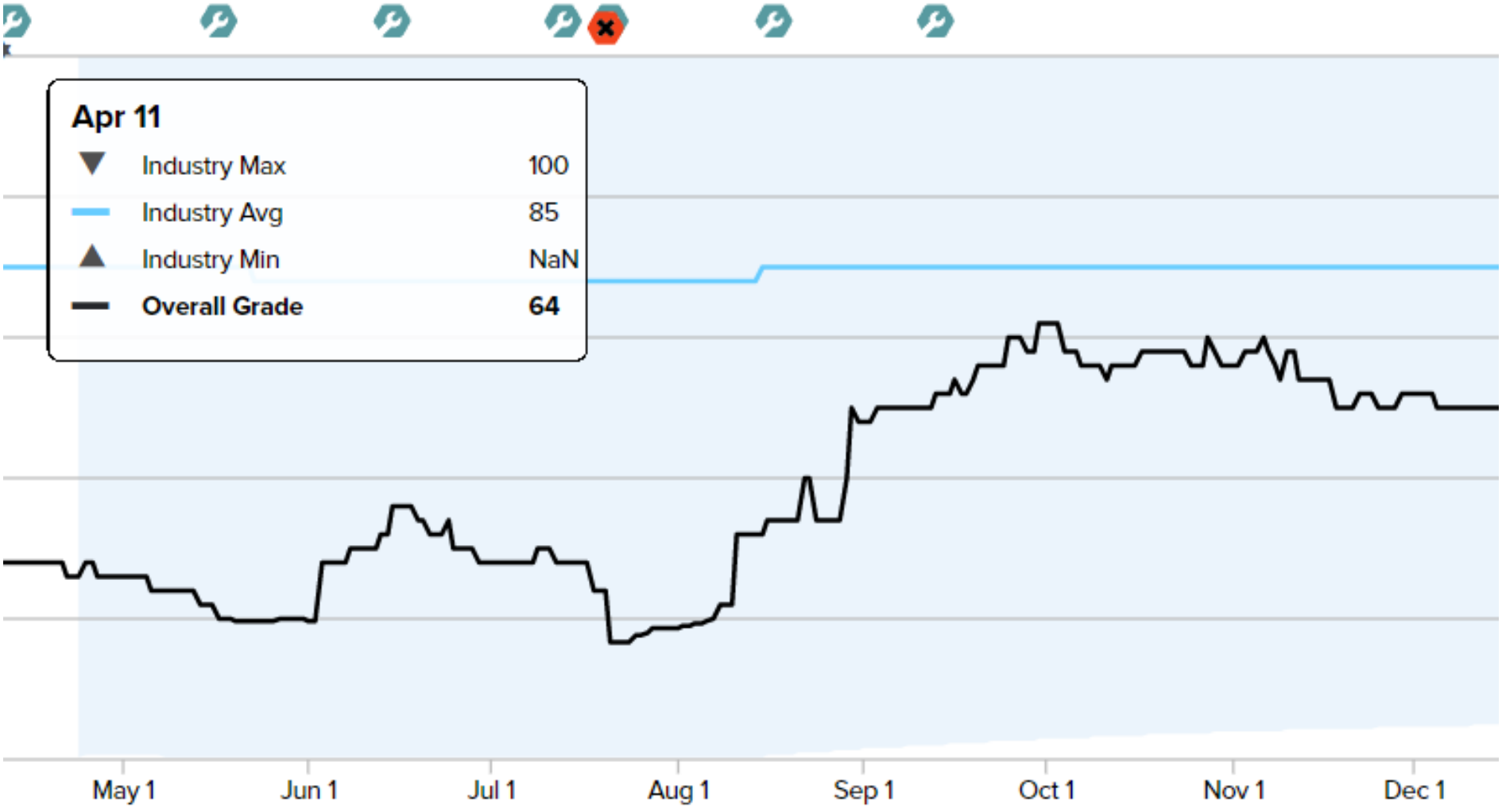
What is true for you, is also true for your suppliers!

- An entity with a "F" score is almost **8 times more likely to be hacked** than a company with an "A" score,
- Controlling your third-party ecosystem is as fundamental as your own domain.



GUARDBYTE

SecurityScorecard


Apr 11
Industry Max 100
Industry Avg 85
Industry Min NaN
Overall Grade 64
May 1
Jun 1
Jul 1
Aug 1
Sep 1
Oct 1
Nov 1
Dec 1

Time to cyber-adapt!

Book a Demo!

GUARDBYTE