



**AFRICA CYBER SECURITY
CULTURE CONFERENCE**

CHARL VAN DER WALT

Highlights of Orange Cyber Defense Research 2020
What Do We Need To Warn Our People About?

“There is too much spending on the wrong things. Security strategies have been driven and sold on fear and compliance issues with spending on perceived rather than **genuine threats**

”

- Art Coviello, RSA Chief Exec

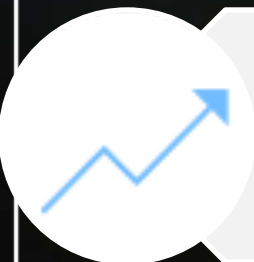


SEISMIC FORCES

The Threat emerges out of an political, economic, social, legal & regulatory context.

OBSERVE & ORIENT

These forces are like the weather – they have an enormous impact but we cannot control them. Our only choice here is to *observe* them and orient ourselves accordingly.



STRUCTURAL FACTORS

Systemic factors that create the enablers and constraints that shape the Threat and our Response.

INFLUENCE

We cannot control these Factors, but is within our means to *influence* them. Influencing the landscape is the most far-reaching way of addressing most Threats over the long run.



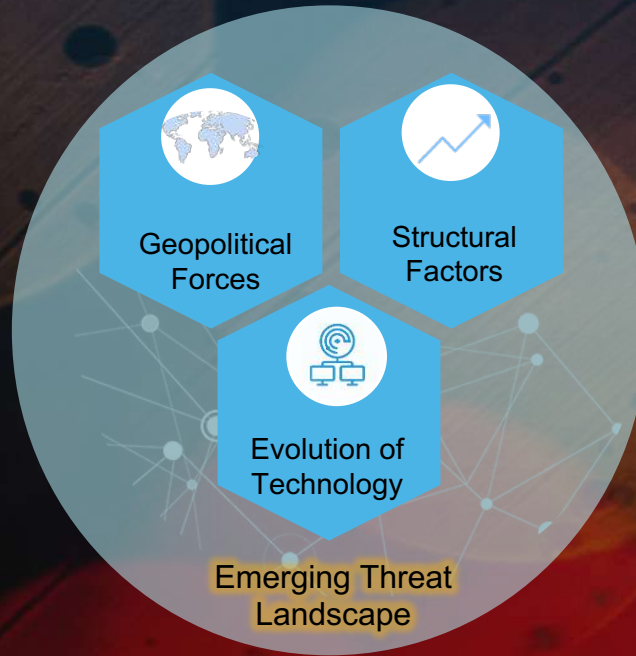
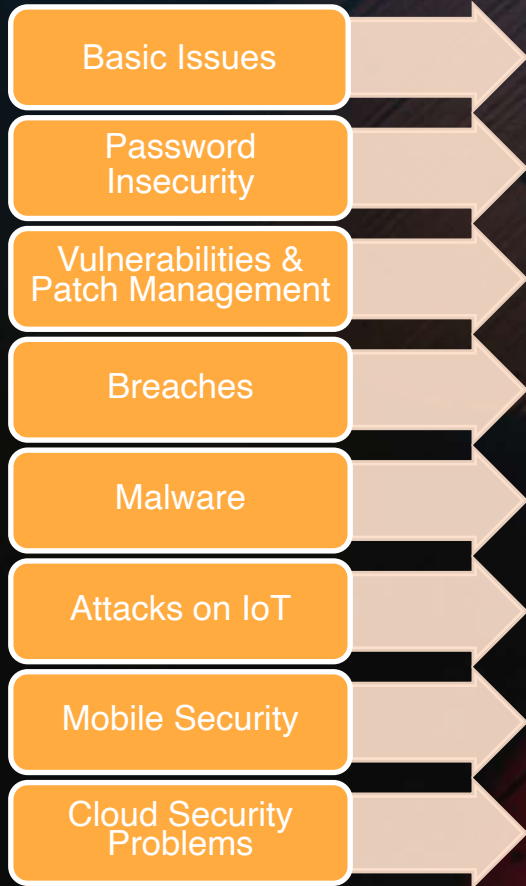
EVOLUTION OF TECHNOLOGY

As technology changes so does the Threat.

CONTROL

We can reduce the size of our attack surface and find and mitigate vulnerabilities, and since these efforts are under our control, it makes perfect sense for us to use best practices and do so.

Current Observations



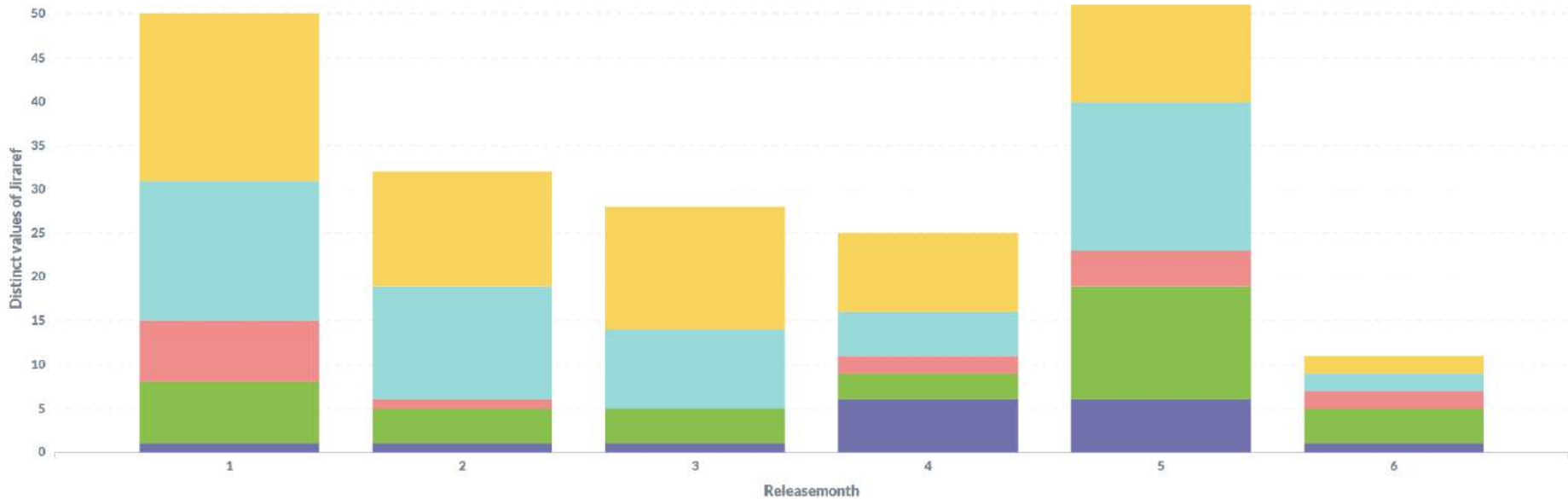
Expected Trends

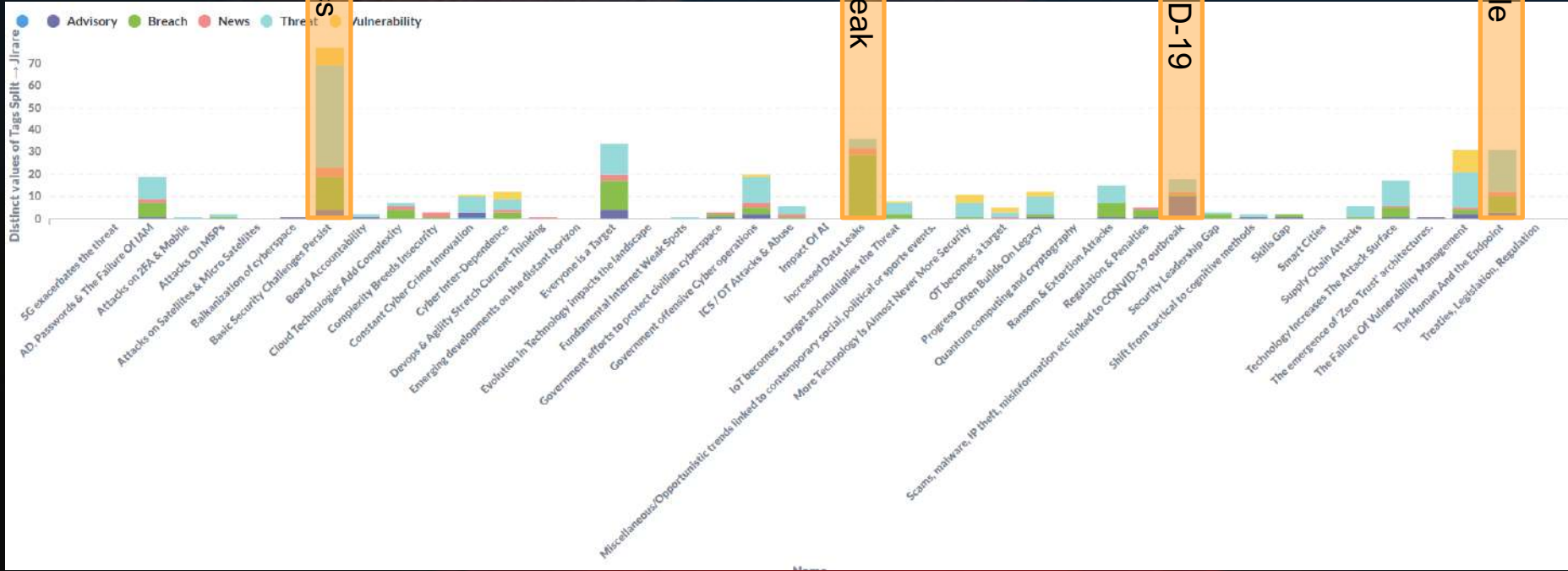


554 Signals

2,176 Tags

Advisory Breach News Threat Vulnerability





2. Basics

4. Dataleak

1. COVID-19

3. People

Orange
Cyberdefense

COVID-19

A biological hazard goes digital

Examining the crisis within the crisis



Pandemos

pan·dem·ic | \ pan- 'de-mik

- an outbreak of a disease that occurs over a wide geographic area and affects an exceptionally high proportion of the population : a pandemic outbreak of a disease.
- occurring over a wide geographic area and affecting an exceptionally high proportion of the population.



An emergency situation that forced us to...



Emerging threat model



Emerging Threat Model

Emerging threat model



Your employees are more vulnerable to social engineering and scams than normal.



You have less control and visibility over the IT systems you protect than you are used to.



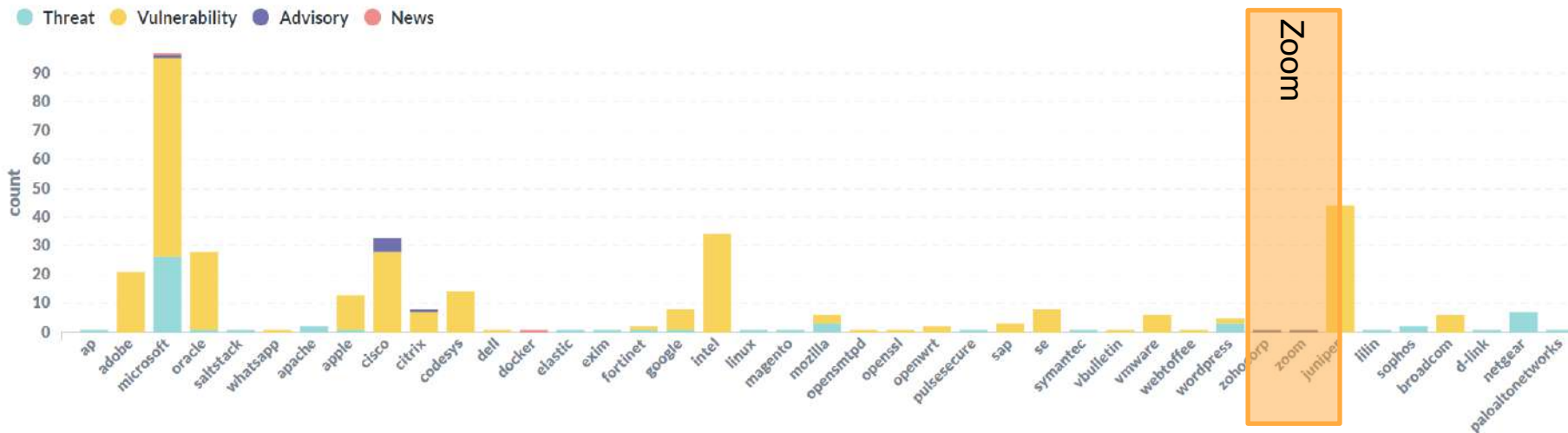
Your users may be connecting from systems and environments that are fundamentally insecure or poorly configured.



You may have rushed to implement remote access systems without having the time to plan and execute as well as you would like.



You, your team and your providers may be operating with diminished capacity.



This article is more than 2 months old

Zoom

'Zoom is malware': why experts worry about the video conferencing platform

The company has seen a 535% rise in daily traffic in the past month, but security researchers say the app is a 'privacy disaster'

Kari Paul

Thu 2 Apr 2020 15.23 BST



29,068

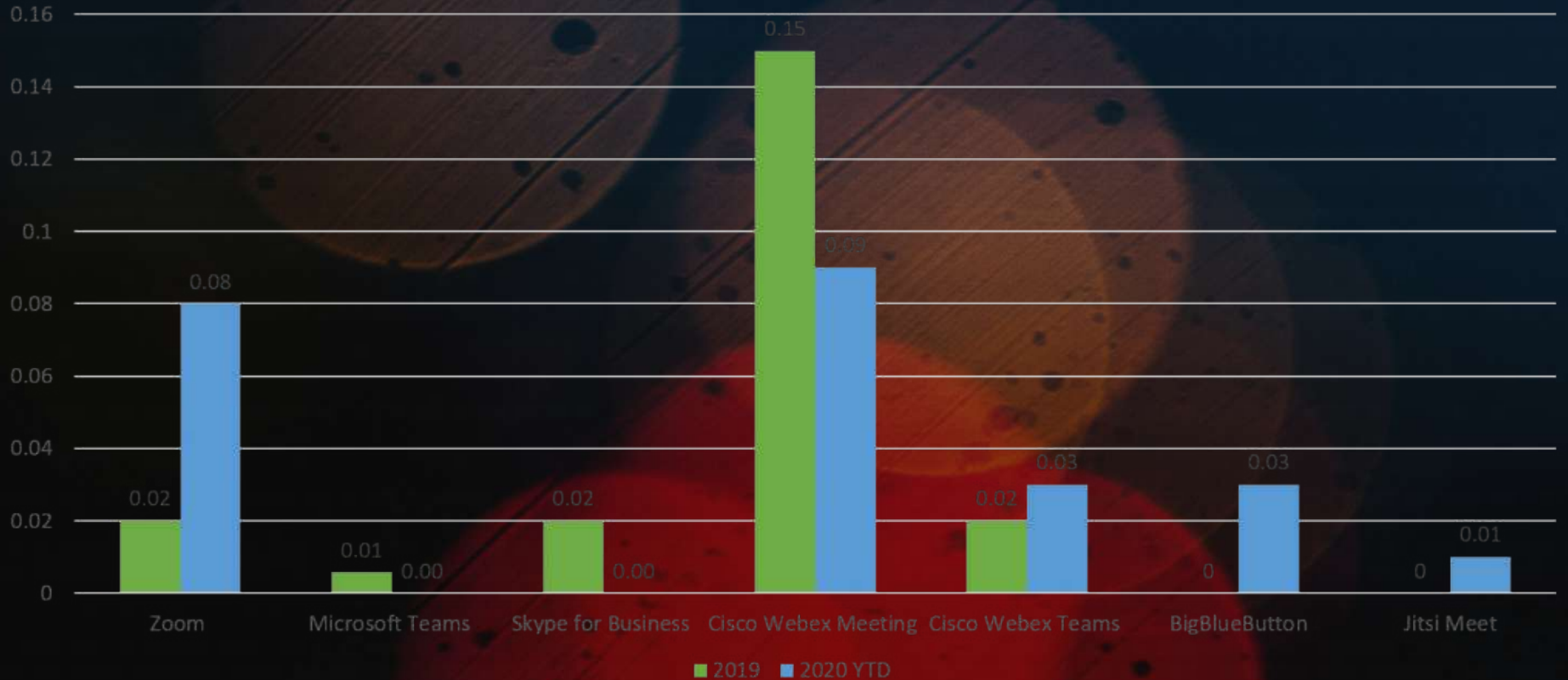


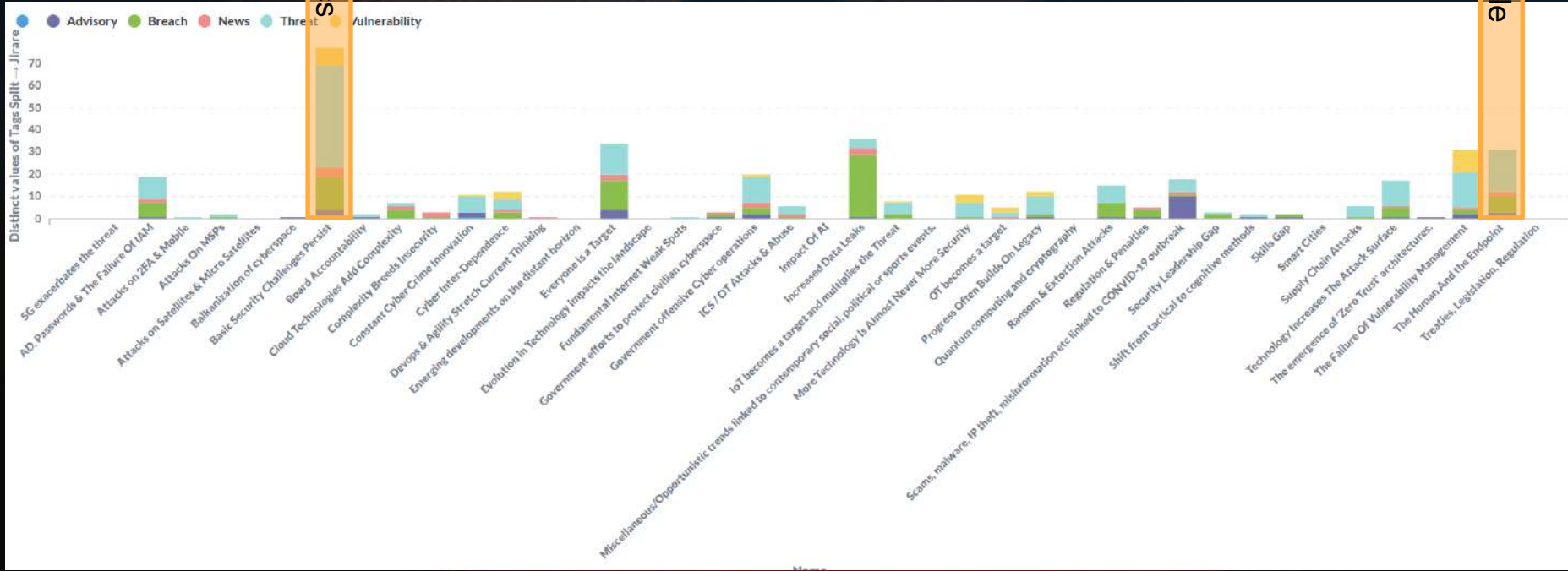
▲ Many, including the British prime minister, Boris Johnson, have been using Zoom during the coronavirus crisis. Photograph: Olivier Douliery/AFP via Getty Images

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Emerging threat model

Percentage of the total vulnerabilities reported in the NIST NVD

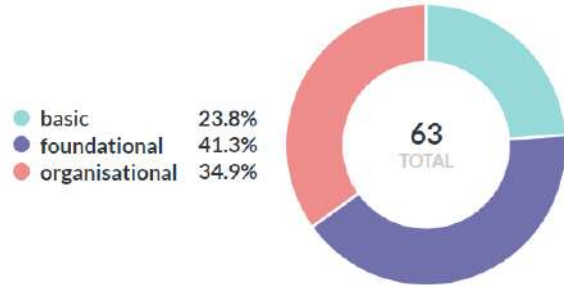




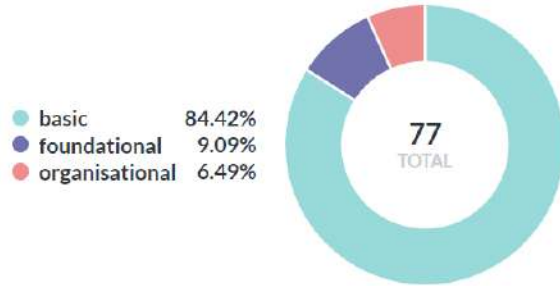
2. Basics

3. People

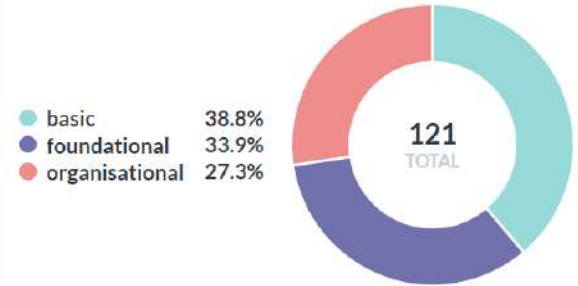
CIS Control Group Breakdown - Breach

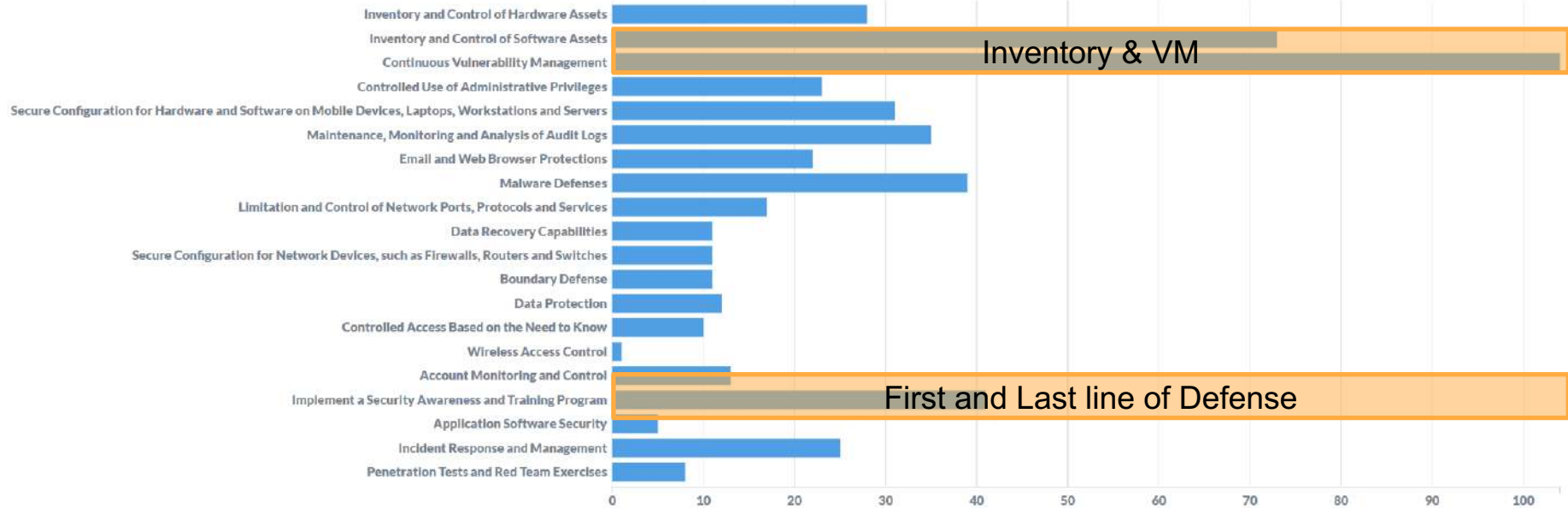


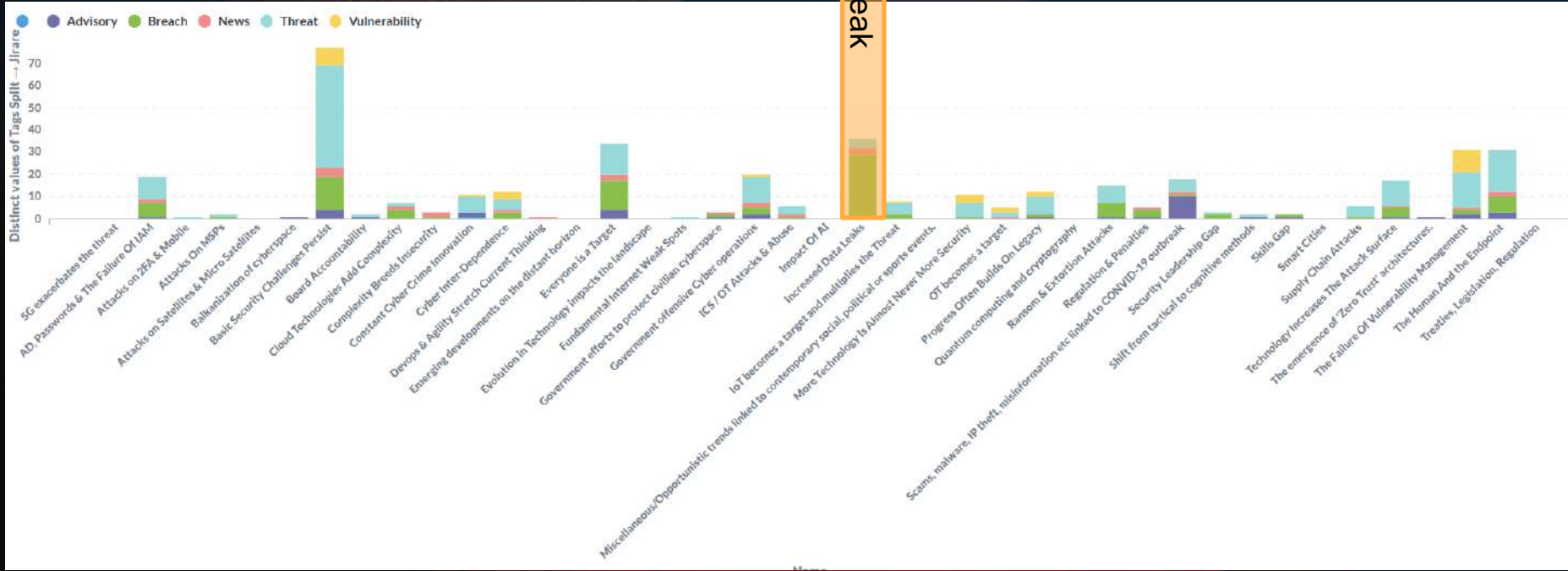
CIS Control Group Breakdown - Vulnerability



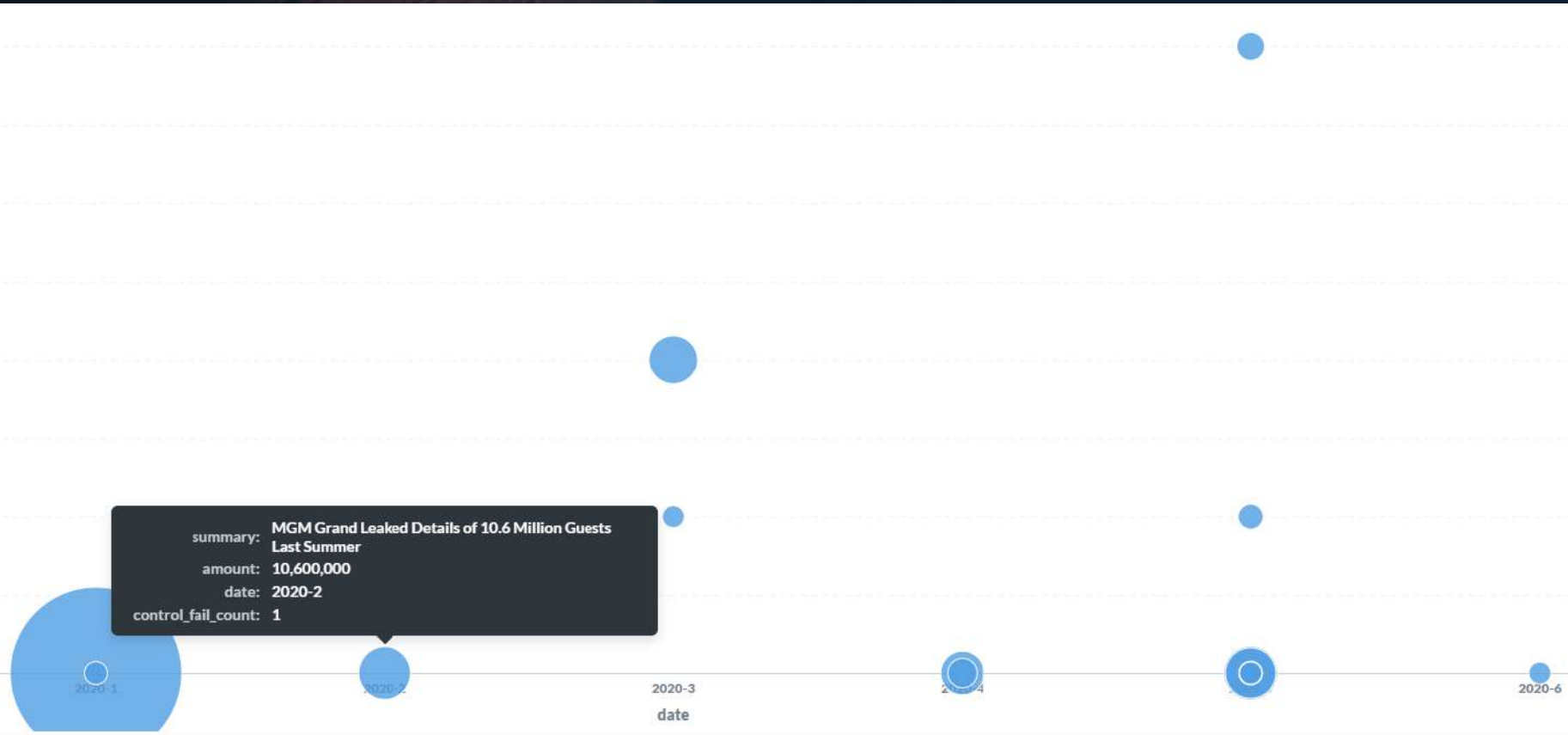
CIS Control Group Breakdown - Threat

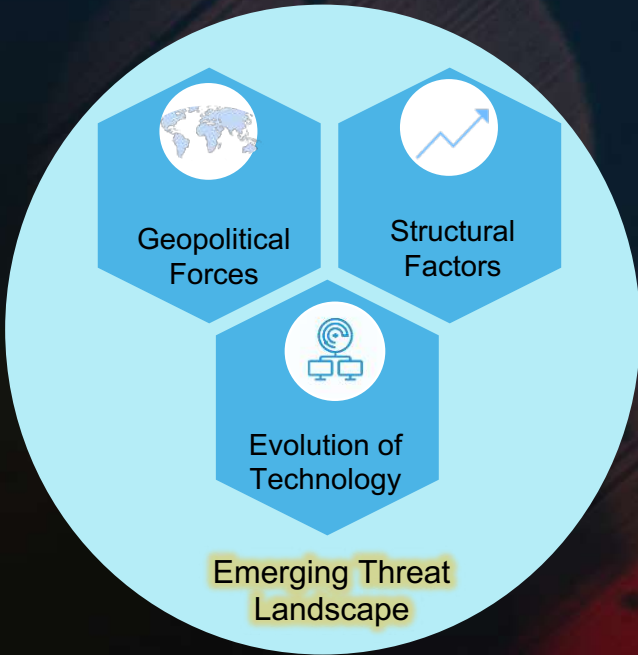






4. Dataleak





You can outrun some of the bulls
some of the time, but you can't
outrun all of the bulls all of the
time.



We live and work in an inter-connected, inter-dependent world.

We must think beyond the single-dimensional risk we are addressing for our business and consider the impact of the secondary and tertiary effects on the broader economy when breaches and compromises happen.

Recognize that what's bad for society generally, is bad for us as businesses too.

The background features a dark blue gradient with several overlapping circles in shades of brown, orange, and red. The circles have a subtle texture, possibly representing wood grain or a similar material. The overall composition is centered and balanced.

Thanks!

Any questions?

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