



2023

Thinking Differently about How to Underwrite Cyber Insurance

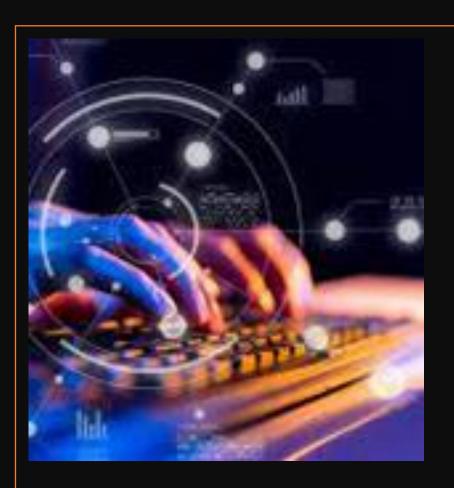
Panel Moderator: Ward Ching, Aon and USC Shawn Ram, Head of Insurance, Coalition Paul Campbell, FIS Global Paul Kim, Aon







SESSION DESCRIPTION



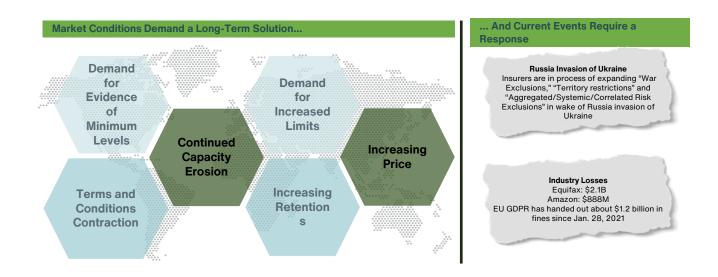
Cyber insurance continues to be a significant risk finance problem area for most organizations.

While systems breaches have increased in complexity, ransomware has quickly outstripped cyber coverage levels, while premiums have been increasing and capacity shortages continue to be the norm. Rudimentary economics would suggest that high and sustained market pricing should attracted new risk capital into the market. Additionally, technological advances in cyber risk mitigation should also encourage insurance industry innovation. Has it?

As a follow up to the 2022 HCIC Forum, this panel will continue their discussion around what new program innovations are presenting themselves in the market.

Cyber Today?

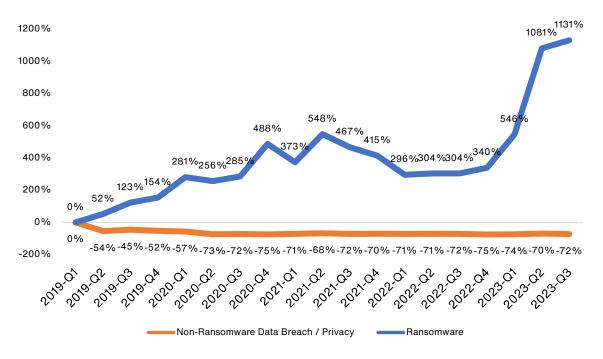
Market conditions, known and unknown variables, and capital availability indicate demand for a risk-taking vehicle



Source: Aon 2022

With cyber insurance pricing increasing 50%-100%+ and minimum SIR's increasing from \$1m-\$5m to \$10m-\$25m, the creation of a risk-taking vehicle with robustly vetted companies is more prudent than ever

Cyber Incident Rates Indexed to Q1 2019



Source: Risk Based Security, analysis by Aon. Data as of 10/2/2023; Claim count development may cause these percentages to change over time

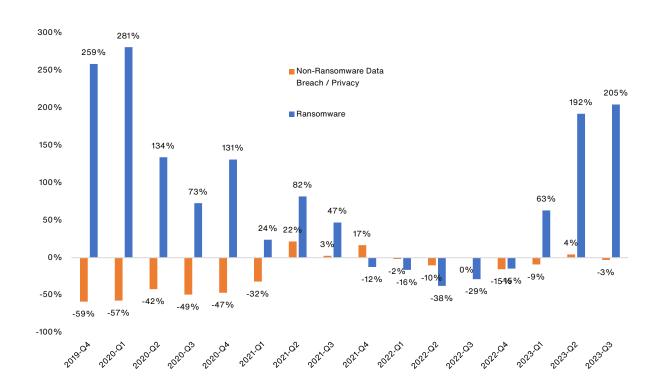
Source: Samuel J.Y. Tashima, FCAS, MAAA, MBA, Director & Actuary, US Actuarial & Analytics, Aon

Key Observations:

- Ransomware activity has continued to outpaced Non-Ransomware Data Breach/Privacy Event activity.
- Ransomware up 1,131% from Q1 2019 to Q3 2023
- · Compared to Q2 2023:
 - Ransomware up 4%
 - Non-Ransomware Data Breach/Privacy down 9%
- The most commonly impacted industries by Ransomware in Q3 2023 were:
 - Business Professional Services
 - Manufacturing
 - Real Estate / Construction
 - Education
 - Healthcare

4

Year-over-Year Cyber Incident Frequency Change by Quarter



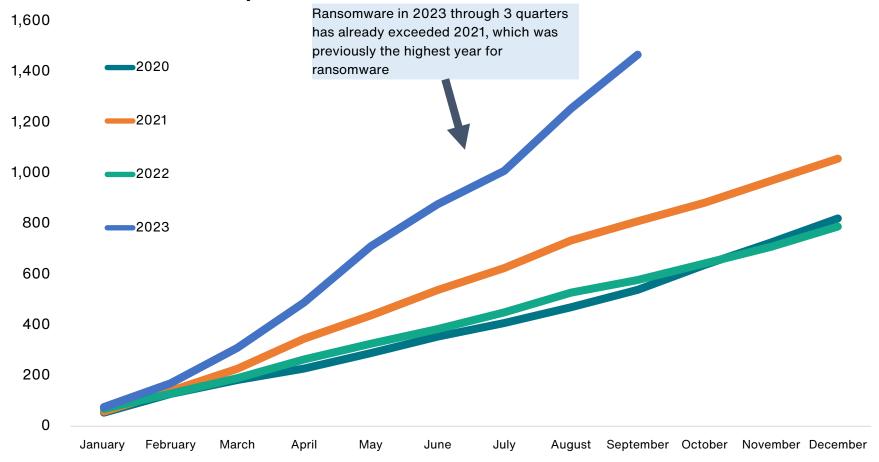
Source: Risk Based Security, analysis by Aon. Data as of 10/2/2023; Claim count development may cause these percentages to change over time

Source: Samuel J.Y. Tashima, FCAS, MAAA, MBA, Director & Actuary, US Actuarial & Analytics, Aon

Key Observations:

- Ransomware events continued its upward trajectory in 2023
- Non-Ransomware Data Breach / Privacy are slightly down by essentially unchanged year over year in Q3 2023
- NCC Group reported a 169% increase in ransomware attacks for the three months from June through August 2023 compared to the same period in 2022

Cumulative Ransomware Frequency Growth by Month





Who we are

Coalition is one of the largest commercial InsurTechs, and a market leader in cyber insurance

Product Launch

January 1, 2018

Customers

160,000+ policyholders 60,000+ SaaS users

Technology Platform

48 trillion data collection events annually

Cyber Programs

Cyber primary & excess up to \$1B revenue in the US and Canada











Team

- 650+ employees across 7 c
- Deep bench of insurance &



















Funding

\$755M





















Active Protection

Monitoring and alerting to identify and prevent risk before it escalates

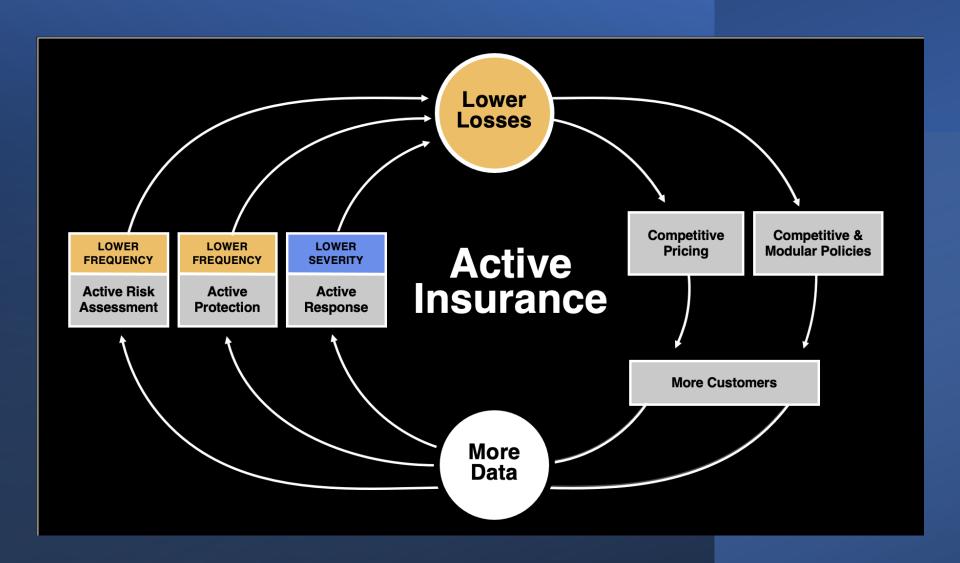
Active Insurance

Active Risk Assessment

Underwriting, quoting, renewals, and digital risk scores powered by real-time data

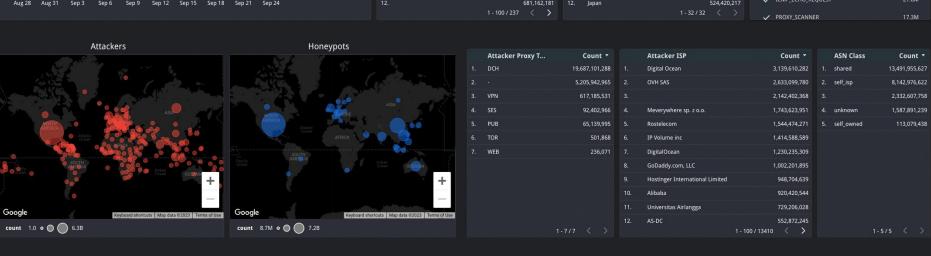
Active Response

In-house resources that accelerate response and coverage if an incident occurs



Honeypot Heatmap Past 30 days





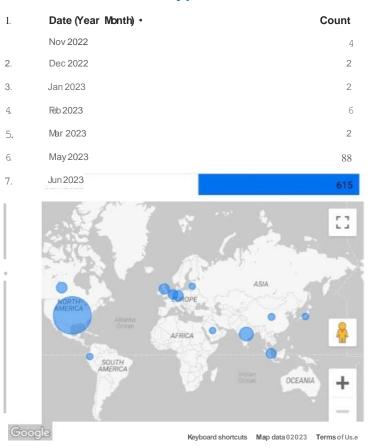


Case Study

MOVEit Vulnerability

- We observed threat actor scanning activity for MOVEit software as early as November 2022 through our honeypot network - 6+ months before the vulnerability was publicly disclosed
- Honeypot activity caused us to start proactively scanning for the technology in all applicants and policyholders
- When the vulnerability was publicly disclosed in June 2023, we already knew affected policyholders (19 total policyholders impacted) so we were able to notify them within minutes of the vulnerability being announced publicly. As of July 2, we were able to confirm that 14 have both patched and were not breached prior to patching. We are in contact with the remaining 5 to get simi ar confirmations, and expect to have no MOVEit exposure on our books shortly. We have not had any MOVEit claims
- Any new applicant receives a technical contingency on their quote if they are using MOVEit to ensure they are not exposed

Number of times honeypots were scanned for MOVEit



Record Count 2 • e • 37

We are only



FIS TODAY - NYSE: FIS, \$14.6B REVENUE

FIS is a leading provider of technology solutions for financial institutions and businesses of all sizes and across any industry globally. We enable the movement of commerce by unlocking the financial technology that powers the world's economy. Our employees are dedicated to advancing the way the world pays, banks and invests through our trusted innovation, system performance and flexible architecture.

Economies Rely on Us Trusted to move the world's money.



\$ 40 T

was processed on our asset management technology in 2022. That's nearly half the world's total and over 1.5x the GDP of the U.S



95%

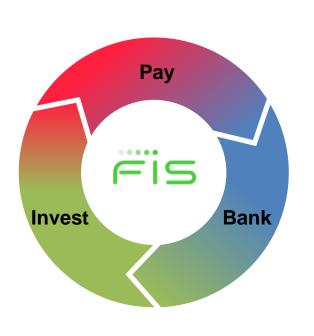
We enable 95% of the world's leading banks. Source: Forbes "World's Best Banks" - April 2022





2023

What We Do





WHAT WE DO

We provide a unique capability to power global omnicommerce



BANKING SOLUTIONS

WHAT WE DO

Our solutions allow people to **borrow**, **save**, **pay** and **invest**



CAPITAL MARKET SOLUTIONS

WHAT WE DO

We facilitate the movement, management and growth of money

ADVANCING THE WAY THE WORLD PAYS, BANKS AND INVESTS



2023



Approach – Insurance

Align Program with Enterprise Strategic Objectives - FIS



- Advance technology and innovation
- Accelerate revenue growth
- Expand strategic partnerships
- Leverage embedded finance opportunities

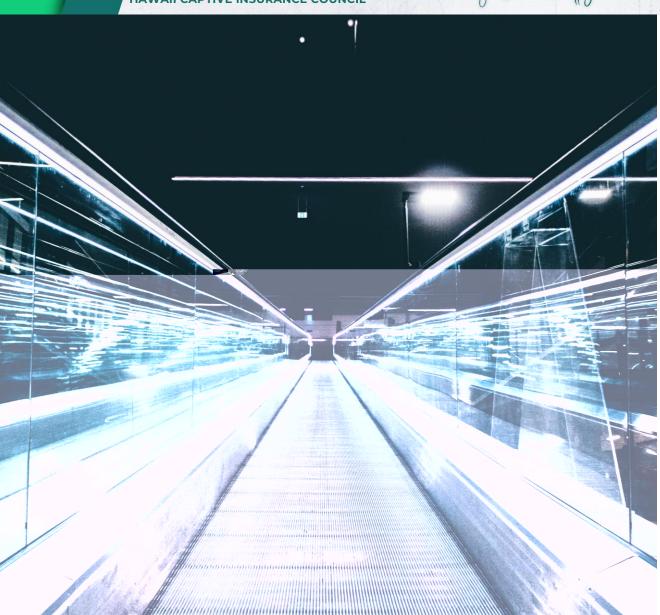


- Identifying and maintaining executive sponsorship
- Marketing relationships with SMB's are complicated by third party relationships (ISO, ISV)
- Lack of insurance expertise across the organization

Strategy/Solutions

- Build on the success of SMB cyber insurance product to expand cyber insurance offerings
- Deploy SMB insurance platform through embedded finance and third party relationships
- Identify and launch key affinity products in 2023 and beyond





Questions?



Mahalo. This concludes our presentation.

This presentation contains general information only. The Hawaii Captive Insurance Council and its guest speakers are not, by means of this presentation, rendering accounting, business, financial, investment, legal, tax, or other professional advice or services. This presentation is not a substitute for such professional advice or services, nor should it be used as a basis for any decision or action that may affect your business. Before making any decision or taking any action that may affect your business, you should consult a qualified professional advisor. Neither the Hawaii Captive Insurance Council nor its guest speakers shall be responsible for any loss sustained by any person who relies on this presentation.