SecurityScorecard

Third-Party Cyber Risk: From Obligation to Opportunity

SecurityScorecard: Recognized Leader

Company

Leading, global cybersecurity firm with a global presence. Over 100k companies use our platform to monitor 3M+ organizations daily.

Technology

Global intelligence data collection at scale by STRIKE engine: over 1B+ security events per second. Ratings efficacy vetted by Marsh McLennan.

Platform

Enterprise solutions: Outside-in Ratings;; EASM; CRQ; Supply Chain Detection and Response.

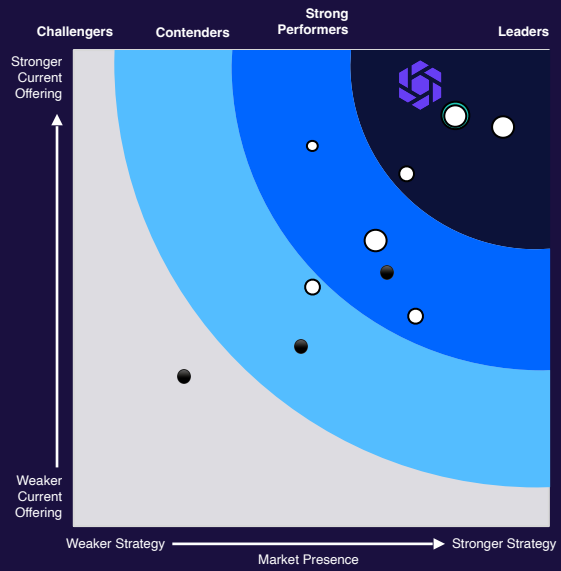
Gartner

Gartner Market Guide for Third-Party Risk Management Solutions, 2022

Gartner Peer Insights Customers' Choice 2021

Gartner Peer Insights Customers' Choice 2022

A **Leader in the latest Forrester New Wave™**: Cybersecurity Risk Rating Platforms, Q2 2024



Source: Gartner. Forrester.

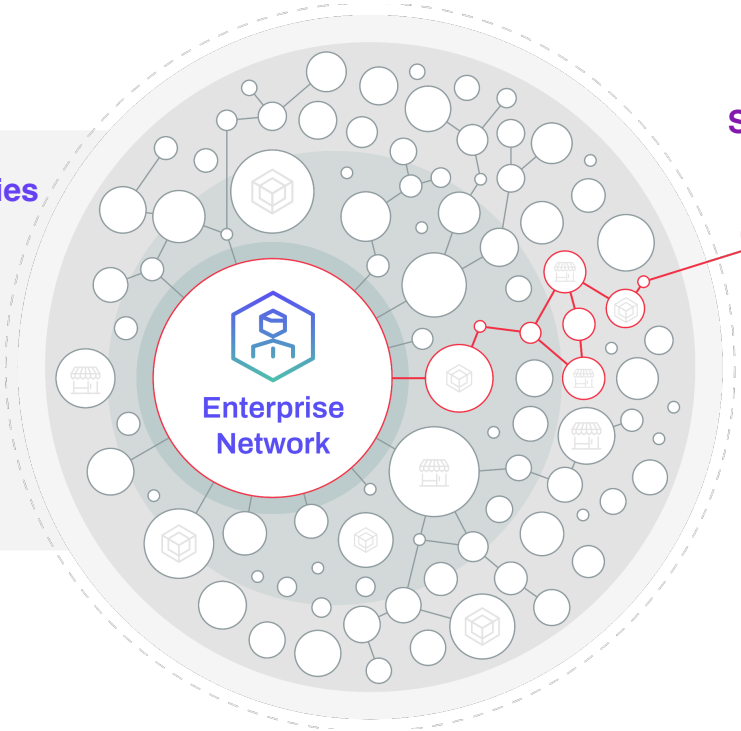
Supply chain risks are fast growing concerns

Your Dependencies

Partners
Trusted connections for direct info exchanges

Suppliers
Critical for business operations

Vendors
Implied shared trust



Supply Chain Risks

Threat actors
May impersonate vendors

Hacktivity
Focused on disruption

Opportunistic Actors
“Drive-by” scanning for unpatched issues

68%
Increase in supply chain breaches year over year

Source: 2024 Verizon Data Brief Investigation Report

41%
Of material cyber attacks originated from a third party

Source: World Economic Forum, Global Cybersecurity Outlook 2024

40%
Higher costs compared to first-party breaches

Source: Gartner, 4 Third-Party Risk Principles That CISOs Must Adopt

Compliance pressures are increasing

Failure to manage risks can result in fines, reputational damage, and operational disruptions

Common compliance gaps

- Informal cyber risk strategy and governance
- Inability to assess and continuous monitor of suppliers
- No visibility of nth-party suppliers and concentration risks
- Rapid reporting of material cybersecurity incidents

89% of GRC professionals expect an audit finding related to third-party risk management

Source: Hyperproof, 2025 IT Risk and Compliance Benchmark Report

Global Breaches Keep Getting Larger and More Costly

CYBERSCOOP

Topics | Special Reports | Events | Podcasts | Videos

CYBERCRIME

As many as 165 companies 'potentially exposed' in Snowflake-related attacks, Mandiant says

The impact of the operation targeting customers of the cloud storage giant continues to grow.

Microsoft | Support

Microsoft 365 | Office | Products | Devices | More

National Public Data breach: What you need to know

PowerSchool

Parents & Students | Support | Search | Login

Products | Customers | Your Needs | Support a Role | Global Regions | PowerSchool AI | Resources | Company

PowerSchool Cybersecurity Incident

This site will be updated periodically as PowerSchool learns more information and takes additional steps in response to a recent security incident.

May 7, 2025

PowerSchool is aware that a threat actor has reached out to multiple school district customers in an attempt to extort them using data from the previously reported December 2024 incident. We do not believe this is a new incident, as samples of data match the data previously stolen in December. We have reported this matter to law enforcement both in the United States and in Canada, notified all PowerSchool SIS customers of the development, and are working closely with our customers to support them. We sincerely regret these developments – it pains us that our customers are being threatened and re-victimized by bad actors.

Any organization facing a ransomware or data extortion attack has a very difficult and considered decision to make during a cyber incident of this nature. In the days following our discovery of the December 2024 incident, we made the decision to pay a ransom because we believed it to be in the best interest of our customers and the students and communities we serve. It was a difficult decision, and one which our leadership team did not make lightly. But we thought it was the best option for preventing the data from being made public, and we felt it was our duty to take that action. As is always the case with these situations, there was a risk that the bad actors would not delete the data they stole, despite assurances and evidence that were provided to us.

Change Healthcare's Breach Costs Could Reach $2.5 Billion

Costs Have Already Hit $2 Billion, Parent Company UnitedHealth Group Reports

Mathew J. Schwartz (euroinfosec) • July 17, 2024

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What do these breaches have in common?

Breach	Industry	1st/3rd Party	SOC2:Type2	Due Dilligence Completed
Snowflake	IT Software	3rd	Yes	Yes
Change Healthcare	Healthcare	3rd	Yes	Yes
PowerSchool	Public Sector /Software	3rd	Yes	Yes
National Public Data	FinTech	3rd	Yes	Yes

Compliance can provide a false sense of security

Millions of customer records accessed with single stolen credential

Common security certifications and controls were in place

Actual risks included 50x more leaked credentials and 390 critical/high CVEs

Challenges in operationalizing supply chain security

No standard or clear response process when a supplier is involved in a breach

Vulnerabilities arise, and **vendors are overwhelmed with volume of requests**

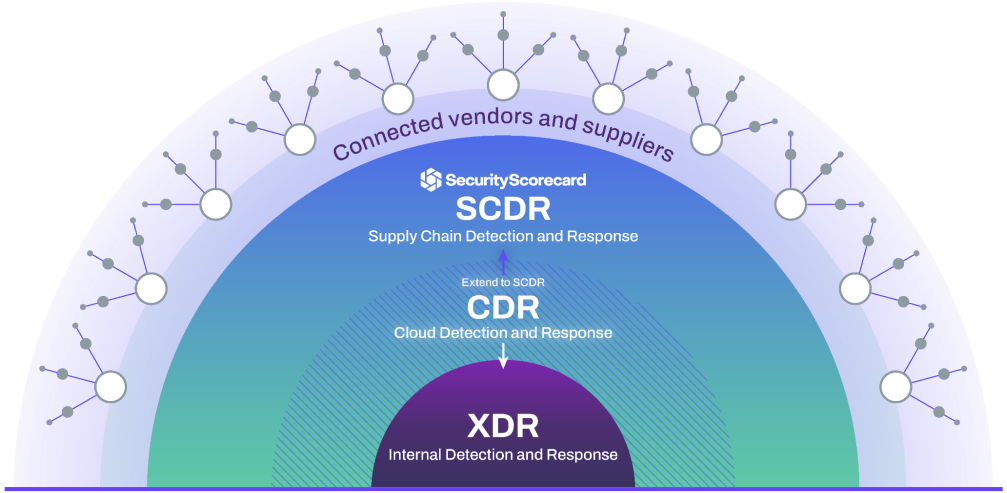
Vendor risk managers struggle to **turn noisy data into actions** and workflows

Security analysts are bogged down with **check the box compliance**

TPRM and SOC teams are not aligned

Introducing Supply Chain Detection and Response

Extends XDR and CDR principles to operationalize supply chain cybersecurity



Supplier Visibility

Holistic and contextual view of **configuration risk**, **shadow IT** and **attack surface vulnerabilities**

Incident Response

Prioritize activation of **supply chain risk insights** through **SOC automation capabilities**

Supplier Remediation

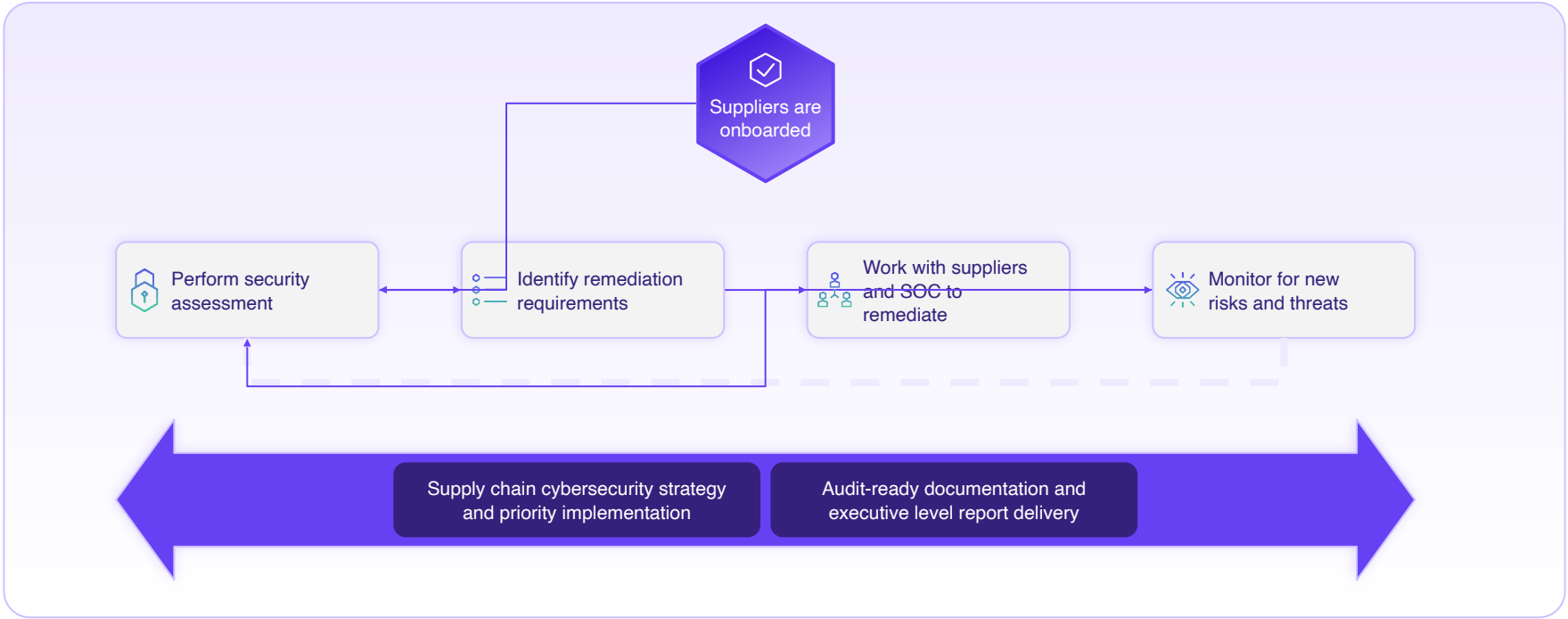
Asset management capabilities and **issue resolution workflows** enable effective remediation

Operationalizing supply chain security with MAX

SecurityScorecard MAX aligns your TPRM and SOC on risk mitigation and incident response

Supply Chain Detection and Response at work

Proactive preventive measures and post-incident response capabilities



Your supplier’s security problems are your problems

Threat actor behavior has shifted

68%

Increase in supply chain breaches

Regulators demand high maturity levels

89%

Expect audit findings related to TPRM

Multiple priorities stretch resources

37%

Lack budget to meet vendor assessment requirements

Anatomy of a 3rd Party Breach

IMAGE: UNSPLASH

James Reddick

February 22nd, 2024

Cybercrime News

Prescriptions nationwide impacted by cyber incident at Change Healthcare

Pharmacies across the country are running into issues filling prescriptions due to a cyber incident affecting a multibillion-dollar healthcare conglomerate involved in processing half of all medical claims in the U.S.

Nashville-based Change Healthcare first announced disruptions to certain applications early on Wednesday, before saying in the afternoon that the company was "experiencing a network interruption related to a cyber security issue."

On Thursday, it issued another update, saying: "Once we became aware of the outside threat, in the interest of protecting our partners and patients, we took immediate action to disconnect our systems to prevent further impact."

In 2022, Change Healthcare completed a $7.8 billion merger with the healthcare services provider Optum, a subsidiary of UnitedHealth Group.

In its notice about the incident, the company said the issues are "specific" to Change Healthcare and do not affect "other systems across UnitedHealth Group."

Pharmacies took to social media on Wednesday and Thursday to warn customers of issues processing prescriptions. Lone Star Pharmacy in Santa Fe, Texas, wrote on Facebook that they were "currently unable to process any prescriptions on insurance due to a software issue."

How did this happen???

Ransomware gang starts leaking alleged stolen Change Healthcare data

The RansomHub extortion gang has begun leaking what they claim is corporate and patient data stolen from United Health subsidiary Change Healthcare in what has been a long and convoluted extortion process for the company.

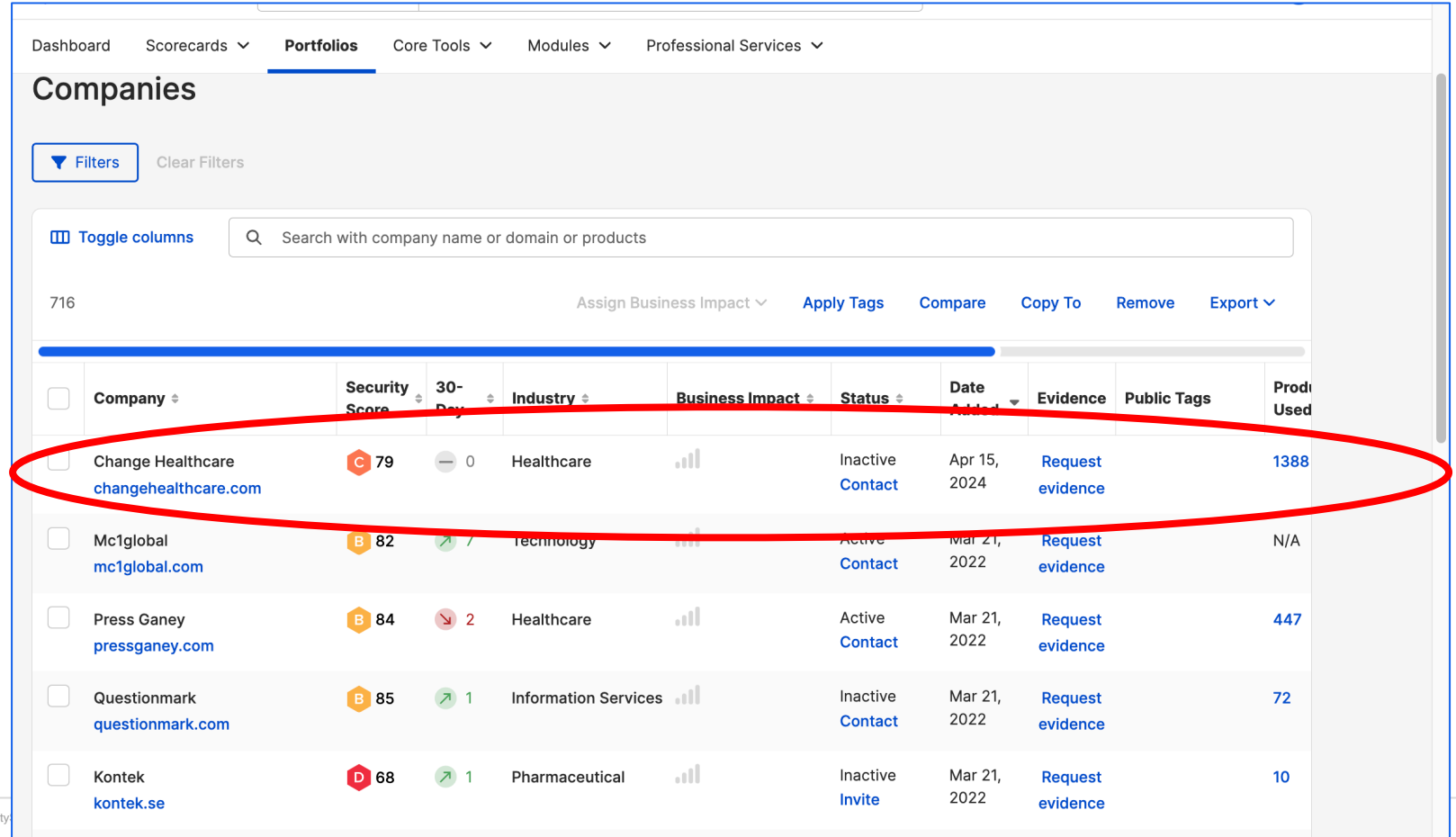
In February, Change Healthcare suffered a cyberattack that caused massive disruption to the US healthcare system, preventing pharmacies and doctors from billing or sending claims to insurance companies.

The attack was ultimately linked to the BlackCat/ALPHV ransomware operation, who later said they stole 6 TB of data during the attack.

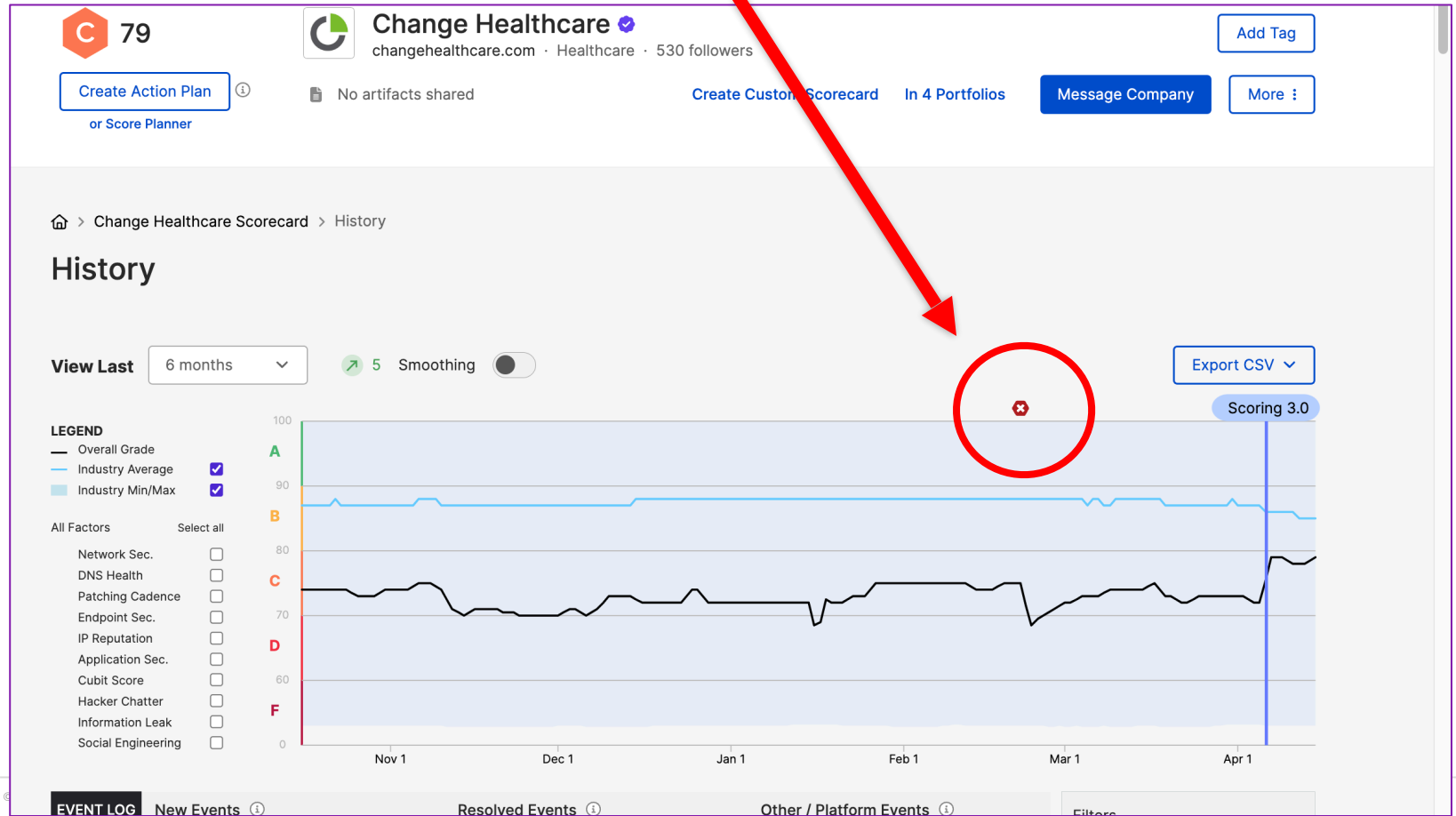
After facing increased pressure from law enforcement, the BlackCat gang shut down their operation. This occurred amid claims they were pulling an exit scam by stealing a $22 million Change Healthcare ransom payment from the affiliate who conducted the attack.

How did this happen? BREADCRUMBS!

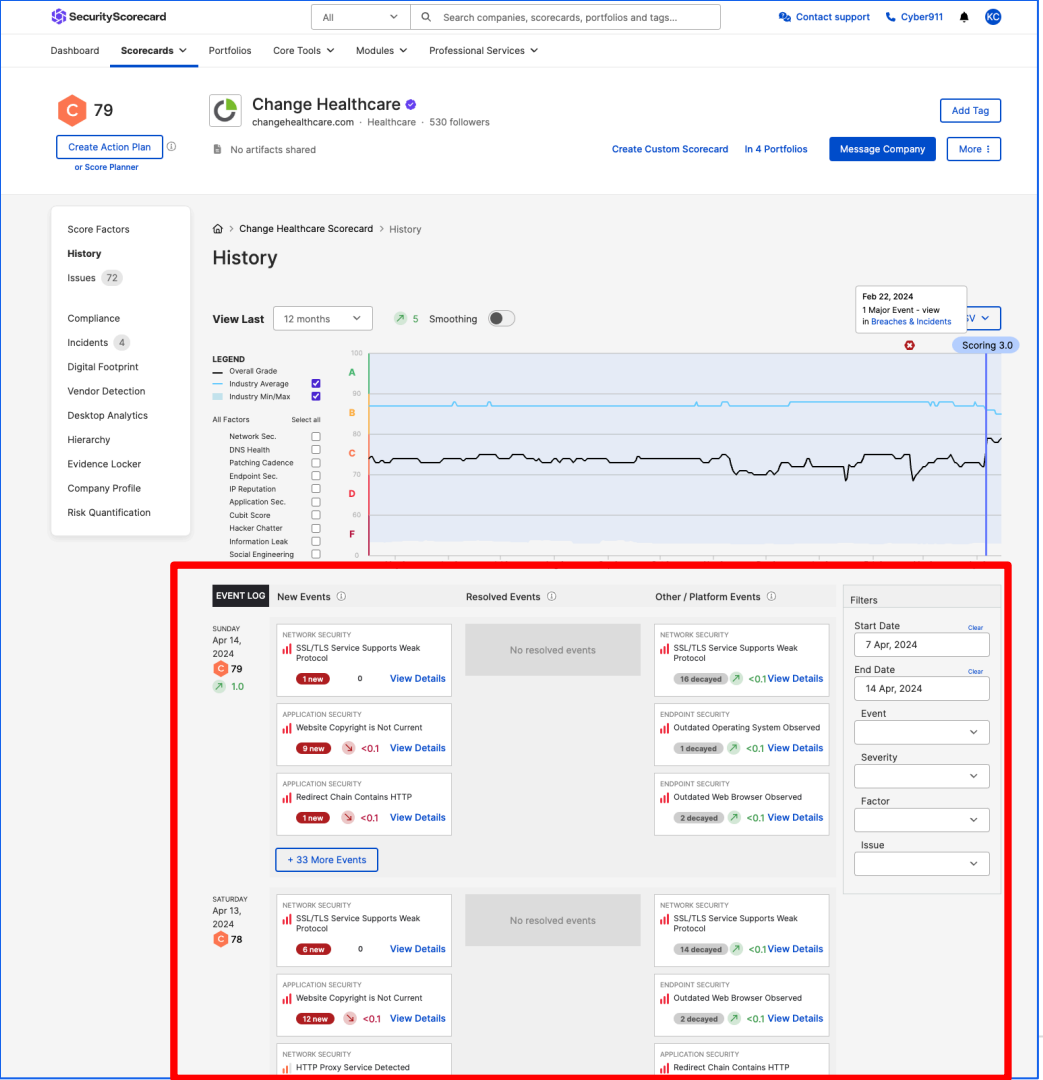
Current Day: After “The Boom”



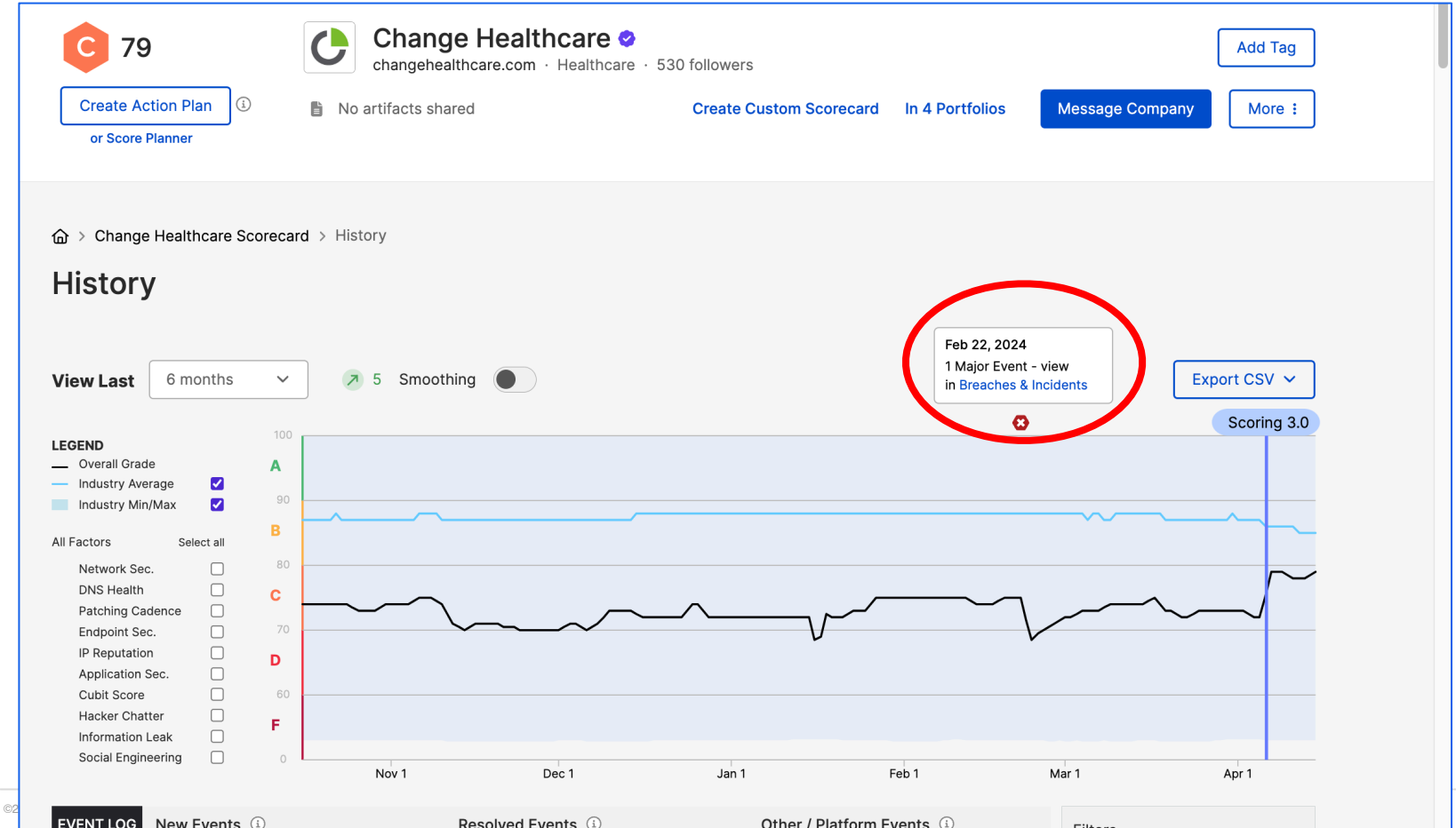
The Boom (Breach Disclosure)

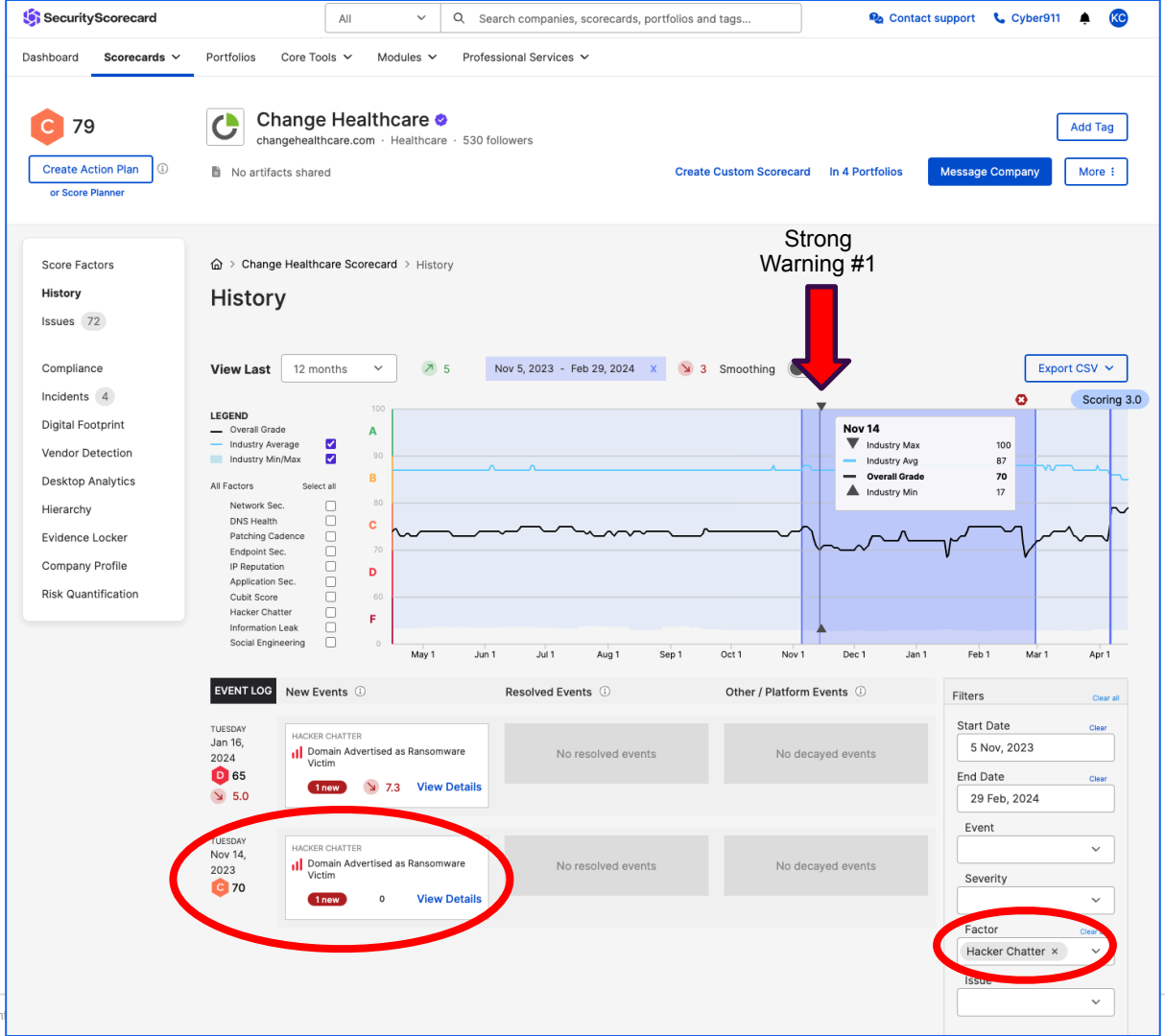


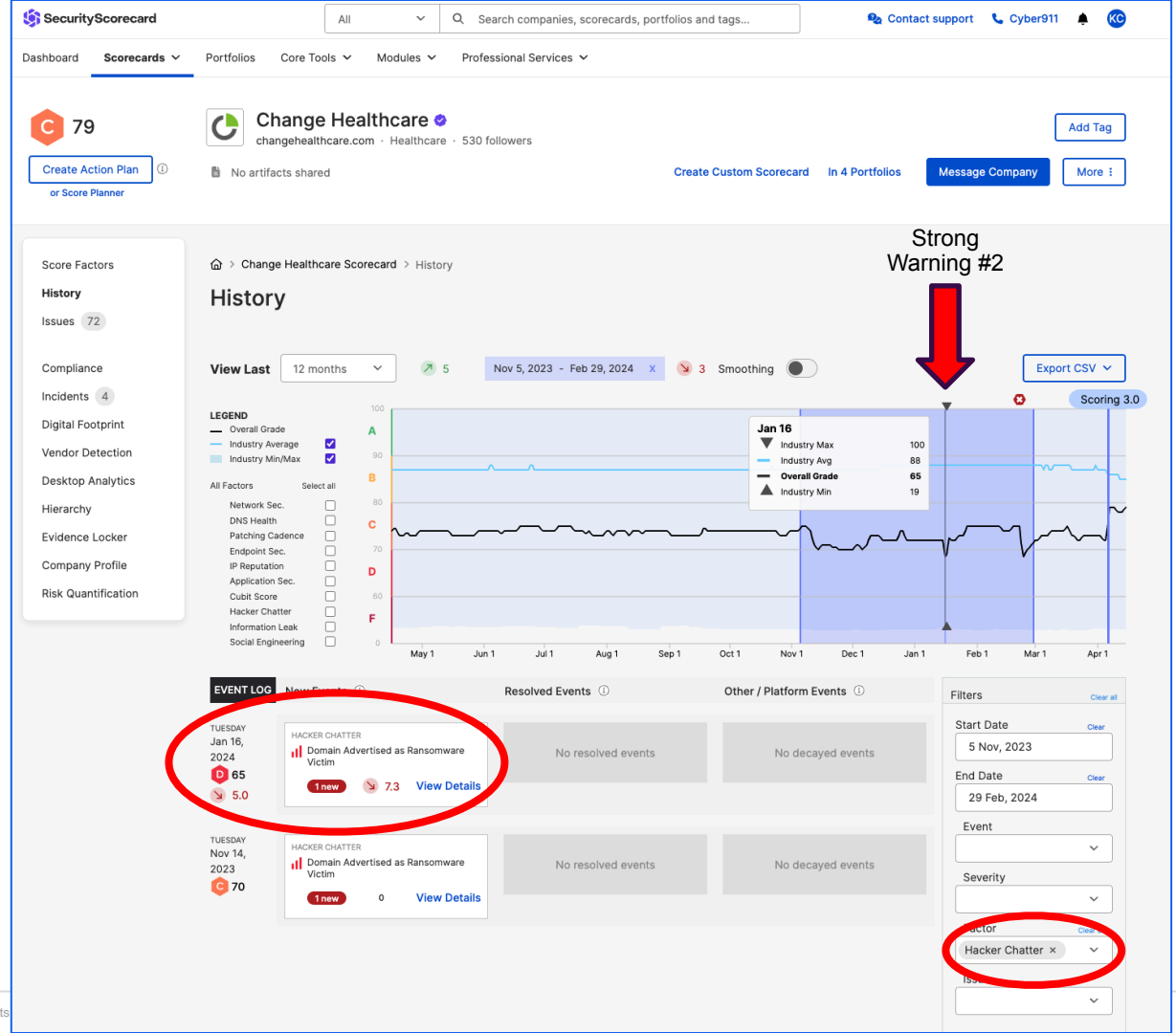
Cybersecurity Findings Activity Log

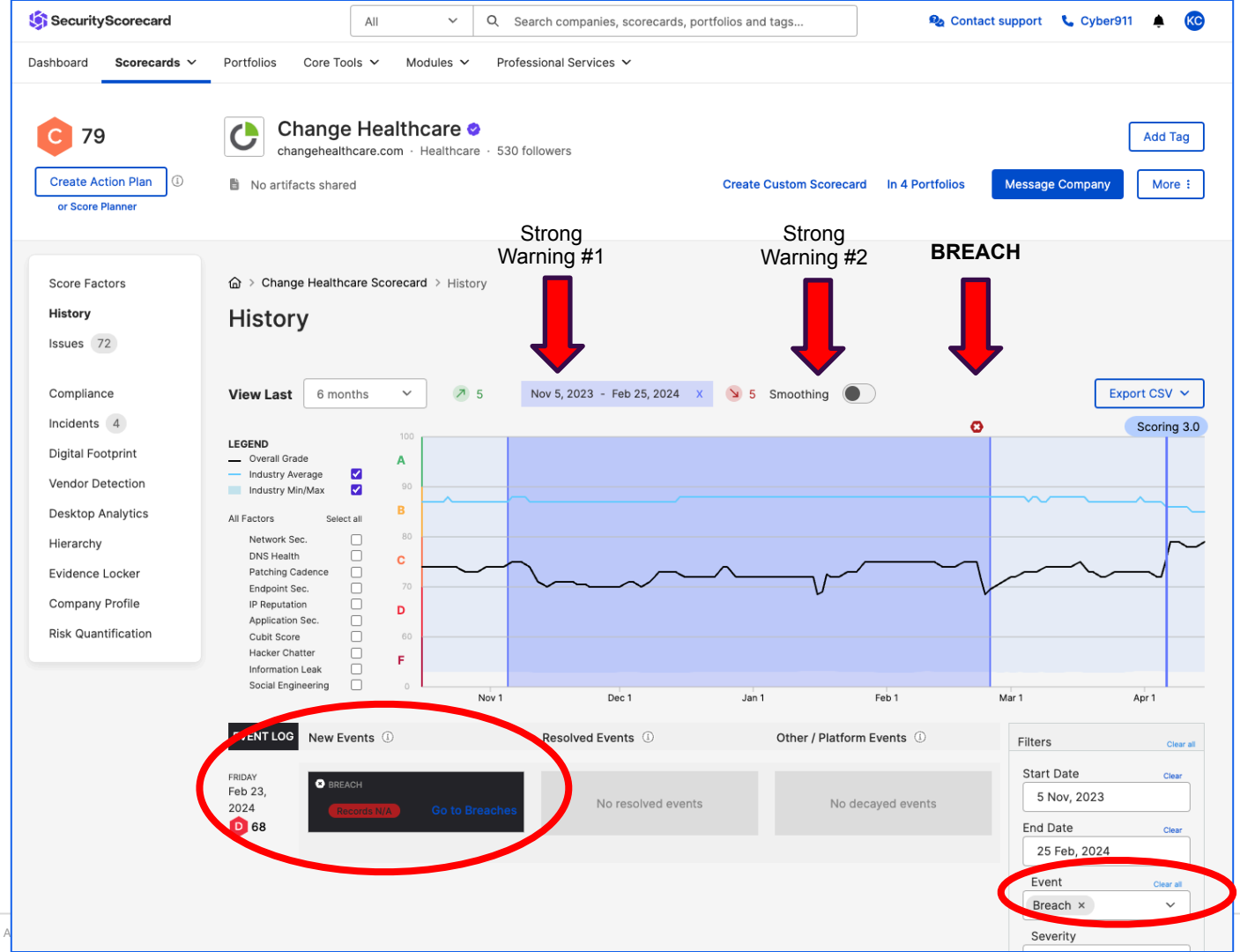


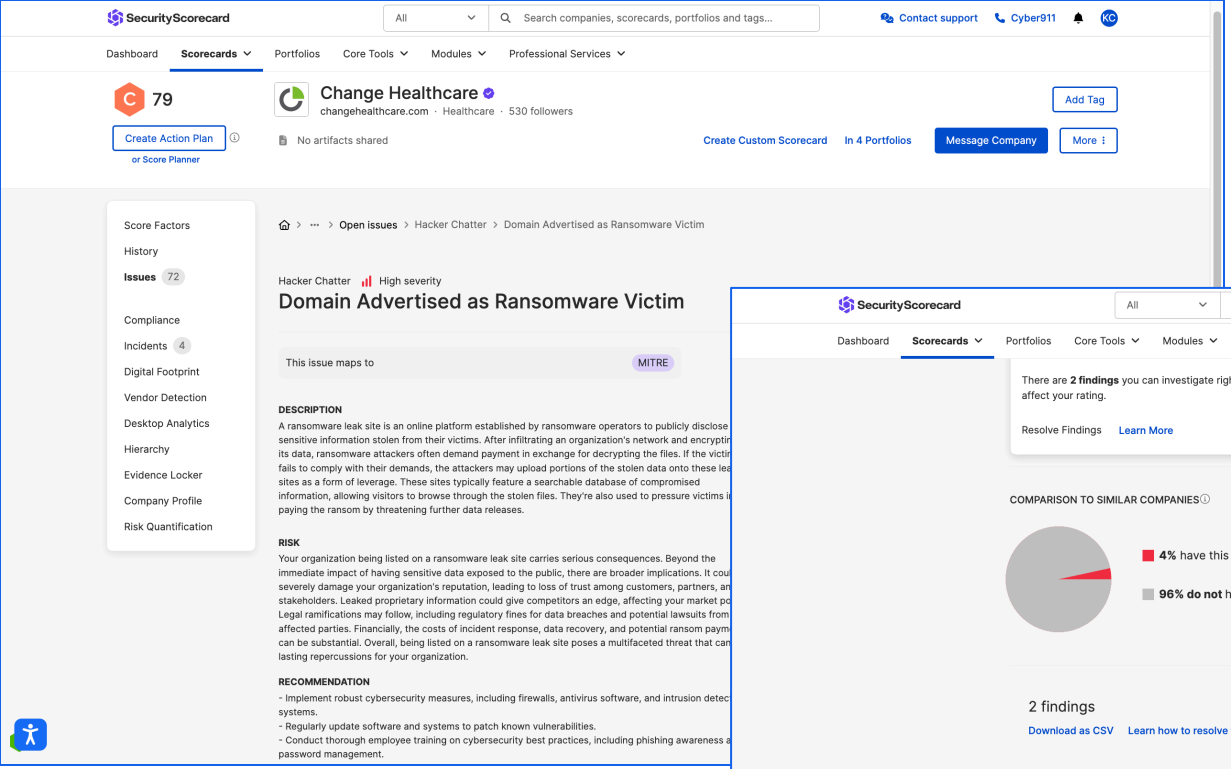
Could this breach have been predicted?

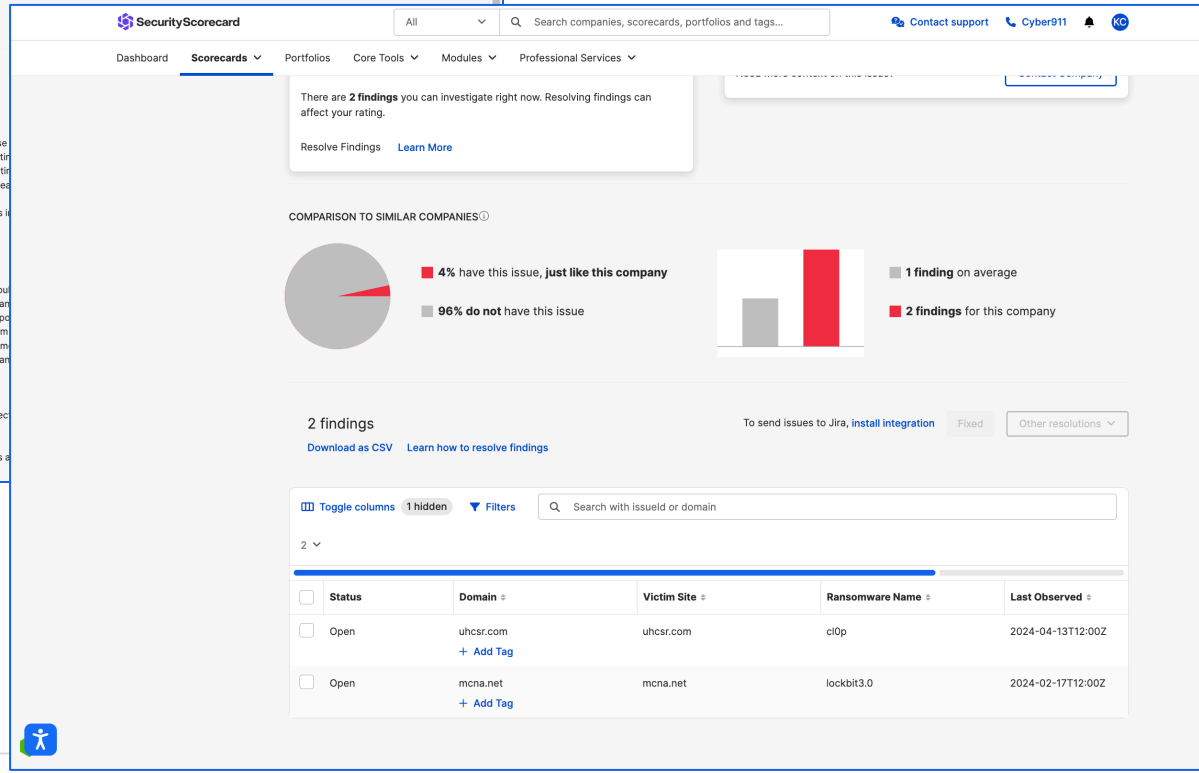












What can MAX/SCDR tell us about the attack path?

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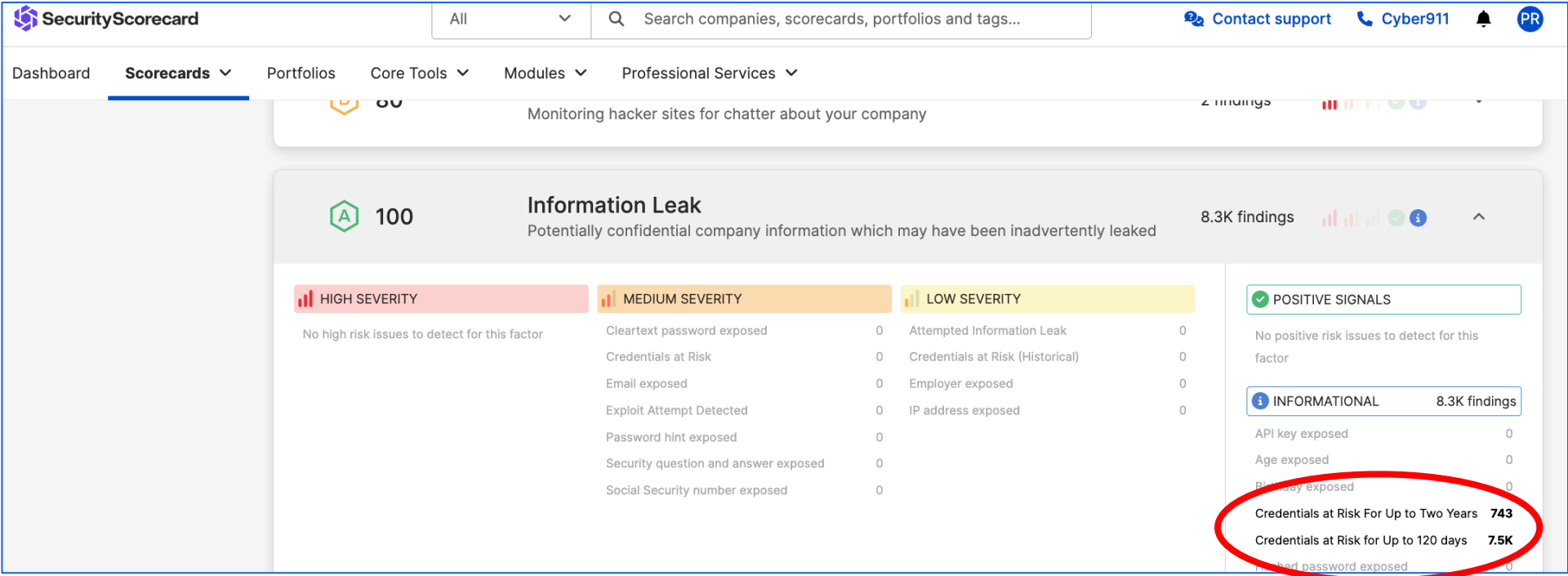

Change Healthcare

changehealthcare.com · Healthcare · 530 followers

Add Tag

No artifacts shared

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Open issues > Information Leak > Credentials at Risk for Up to 120 days

Information Leak | Informational signal

Credentials at Risk for Up to 120 days

This issue maps to MITRE

DESCRIPTION

Our sensors observed user names and passwords associated with accounts in this domain in the logs of infostealer malware. Infostealers harvest credentials and other data from compromised devices.

RISK

We discovered credentials for accounts associated with employee addresses that were stolen up to 120 days ago. Threat actors could sell these credentials or use them to access assets in this domain.

RECOMMENDATION

Ensure employees are not using the affected credentials for any corporate or third-party logins. Ensure that all passwords have been changed since the indication of breach. In the case of corporate passwords, check logs for repeated failed login attempts or repeated password reset attempts from suspicious IP addresses. See additional recommendations in the MITRE ATT&CK Mitigations site.

Threat level

Set by our secu

Breach risk

Data-driven like

Overall score in

Impact of all 50

SecurityScorecard | All | Search companies, scorecards, portfolios and tags... | Contact support | Cyber911

Dashboard | Scorecards | Portfolios | Core Tools | Modules | Professional Services

500

Status	Domain	User Name	Leaked Password	Infection Date
Open	www.myuhc.com + Add Tag	kybo20	****THY7	April 06, 2024
Open	identity.onehealthcareid.com + Add Tag	saniam123	****2023	March 15, 2024
Open	www.healthsafe-id.com + Add Tag	lojeda787	******@888	March 12, 2024
Open	accounts.myuhc.com + Add Tag	rgroody320119	*********wn48	April 12, 2024
Open	healthsafeid.optumfinancial.com + Add Tag	kybo20	**********4f*k	April 06, 2024
Open	login.optumbank.com + Add Tag	willie1234	******za1!	April 12, 2024
Open	accounts.werally.com + Add Tag	fracturedheart	*********ve87	December 18, 2023
Open	identity.onehealthcareid.com + Add Tag	kchoffice	****2021	March 15, 2024
Open	identity.onehealthcareid.com + Add Tag	mmehmood420	***********2023	March 15, 2024
Open	www.uhone.com + Add Tag	chioma27	****le16	April 14, 2024
Open	accounts.myuhc.com + Add Tag	lafesler	*********its1	April 11, 2024
Open	www.healthsafe-id.com	fiamap1991	*********91.*	April 14, 2024

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Open issues > Information Leak > Credentials at Risk for Up to 120 days

Information Leak | Informational signal

Credentials at Risk for Up to 120 days

This issue maps to MITRE

What do these scores mean? Find out

DESCRIPTION

Our sensors observed user names and passwords associated with accounts in this domain in the logs of infostealer malware. Infostealers harvest credentials and other data from compromised devices.

Threat level

Set by our security experts

Info

RISK

We discovered credentials for accounts associated with en… days ago. Threat actors could sell these credentials or use…

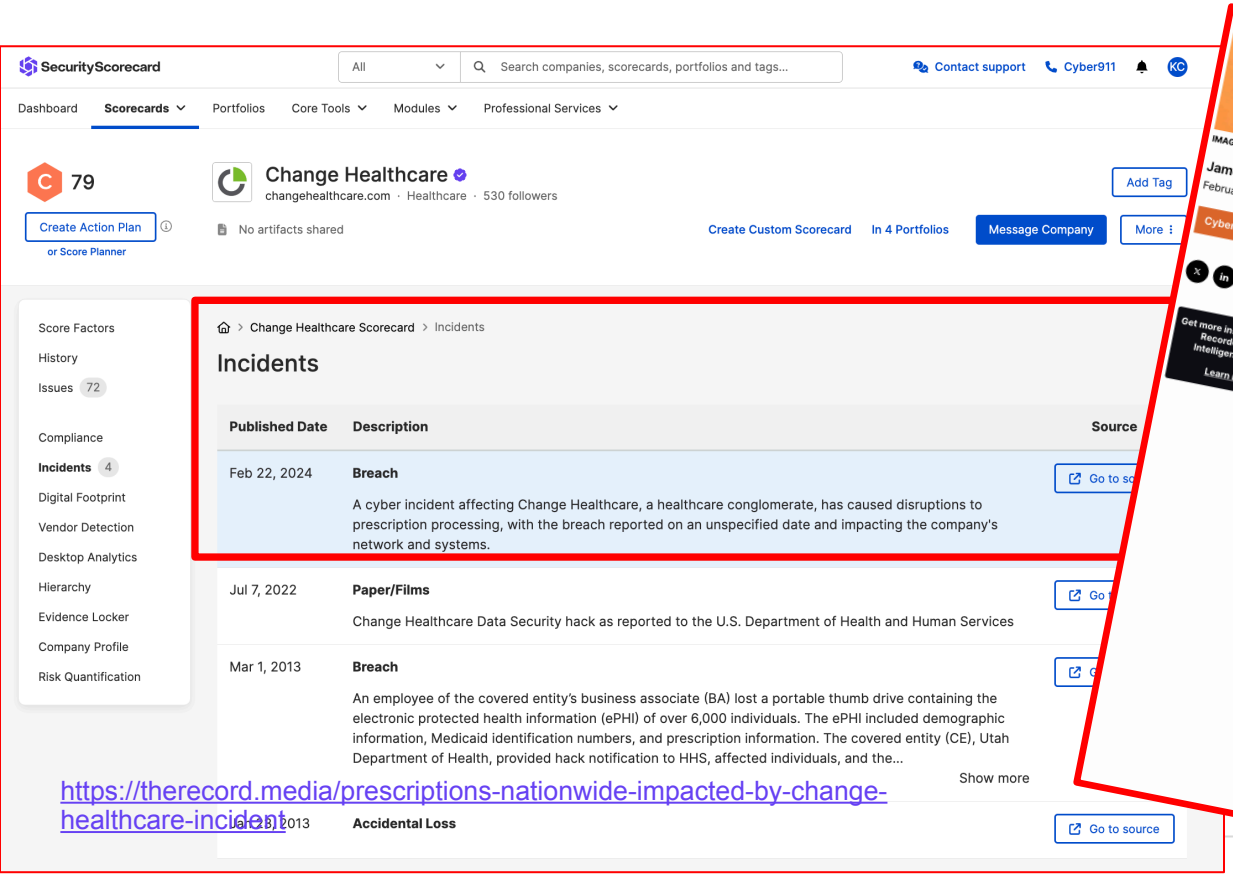
RECOMMENDATION

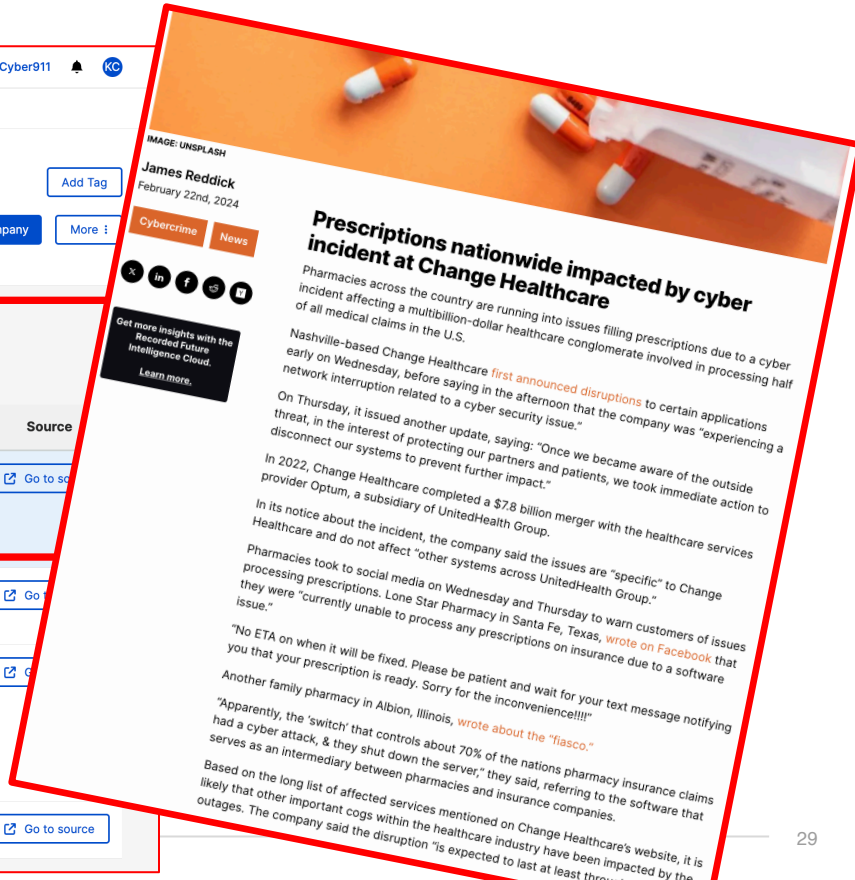
Ensure employees are not using the affected credentials fo… all passwords have been changed since the indication of b… logs for repeated failed login attempts or repeated passwo… See additional recommendations in the MITRE ATT&CK Mit…

W14 | fx | hxxps://identity.onehealthcareid.com/app/index.html

	P	Q	R	S	W	AB
1	Domain	User Name	Leaked Password	Infection Date	url	Last Observed
2	www.healthsafe-id.com	jaxx0044	********45##	7-Sep-23	hxxps://www.healthsafe-id.com/register/createaccount	2023-12-17T00:00Z
3	healthid.optum.com	natarajan2020	*******2020	16-Sep-23	hxxps://healthid.optum.com/tb/app/index.html	2023-12-24T00:00Z
4	www.myuhc.com	jianhao198–í	********s123	17-Sep-23	hxxps://www.myuhc.com/member/prewelcome.do	2023-12-24T00:00Z
5	app.uhcdoctorchat.com	unknown	*******122?	30-Sep-23	hxxps://app.uhcdoctorchat.com/patients/invitation/accept	2024-01-03T00:00Z
6	rba-ose.myuhc.com	unknown	****r	30-Sep-23	hxxps://rba-ose.myuhc.com/aa-web/evaluate;jsessionid=253ed0ff0b632c57	2024-01-03T00:00Z
7	www.myuhc.com	danonjody420	*******w420	30-Sep-23	hxxps://www.myuhc.com/member/prewelcome.do	2024-01-03T00:00Z
8	provider.umr.com	j.william18	********@786	14-Oct-23	hxxps://provider.umr.com/tpa-ap-web/	2023-12-24T00:00Z
9	www.healthsafe-id.com	unknown	**********ns55	14-Oct-23	hxxps://www.healthsafe-id.com/rt/login/myuhc/en	2023-12-19T00:00Z
10	www.encoderpro.com	transcure1	**********2021	14-Oct-23	hxxps://www.encoderpro.com/epro/	2023-12-24T00:00Z
11	identity.onehealthcareid.com	benaentbss	********2022	14-Oct-23	hxxps://identity.onehealthcareid.com/app/index.html	2023-12-24T00:00Z
12	healthid.optum.com	p201604	**********@258	14-Oct-23	hxxps://healthid.optum.com/tb/app/index.html	2023-12-24T00:00Z
13	identity.onehealthcareid.com	p201605	*********7869	14-Oct-23	hxxps://identity.onehealthcareid.com/app/index.html	2023-12-24T00:00Z
14	identity.onehealthcareid.com	mehrunfhcadmin134	********2116	14-Oct-23	hxxps://identity.onehealthcareid.com/app/index.html	2023-12-24T00:00Z
15	identity.onehealthcareid.com	unknown	*****.143	26-Oct-23	hxxps://identity.onehealthcareid.com/app/index.html	2024-01-03T00:00Z
16	member-allsavers.optum.com	npp123456	*******2345	26-Oct-23	hxxps://member-allsavers.optum.com/tpa-ap-web/	2024-01-03T00:00Z
17	provider.umr.com	j.william18	********@786	29-Oct-23	hxxps://provider.umr.com/tpa-ap-web/	2024-01-03T00:00Z
18	identity.onehealthcareid.com	auislam	*********2478	29-Oct-23	hxxps://identity.onehealthcareid.com/app/index.html	2024-01-03T00:00Z

Real World Consequences of Cyber Incidents





https://therecord.media/prescriptions-nationwide-impacted-by-change-healthcare-incident

The MAX/SCDR value

Comprehensive cyber risk visibility

Unified view of security risks, including partners and suppliers

Improved compliance

Aligns with NIST, GDPR, CMMC, and more

Enhanced threat response

Advanced tools for faster detection and mitigation

Expert risk and security guidance

Access to tailored insights from cybersecurity consultants

Measurable results

Track security improvements and justify investments

Fortune 500 scales supply chain resilience

From 50 to **2600 vendors** under management. **Zero business-impacting events.**

Challenge

Reactive and fragmented TPRM program paralyzed by overwhelming supply chain risk

Solution

Drive risk reduction actions throughout all aspects of vendor lifecycle

Next Steps

Accelerate implementation of supply chain security insights and standards for global org

3X
Reduction in high risk vendors

97%
Remediation rate for zero-day incidents

73%
Actively engaged vendors

*"**SecurityScorecard MAX** provides us the opportunity to bolster our third-party cybersecurity posture quickly and efficiently through proactive, real-time risk monitoring and remediation."*

- Director of Technology Risk Management

Desired outcomes

Supply chain resilience

- Gain full visibility into nth-party suppliers and concentration risks
- Reduce the number of supply chain incidents
- Decrease time to respond to supply chain breaches

Regulatory compliance

- Communicate cyber risk strategy and governance
- Standardize vendor security assessments and continuous monitoring
- Meet regulatory requirements and mitigate compliance violation risk

Board assurance

- Secure assets that drive revenue and profitability
- Reduce supply chain cybersecurity costs
- Protect the organization’s brand and reputation

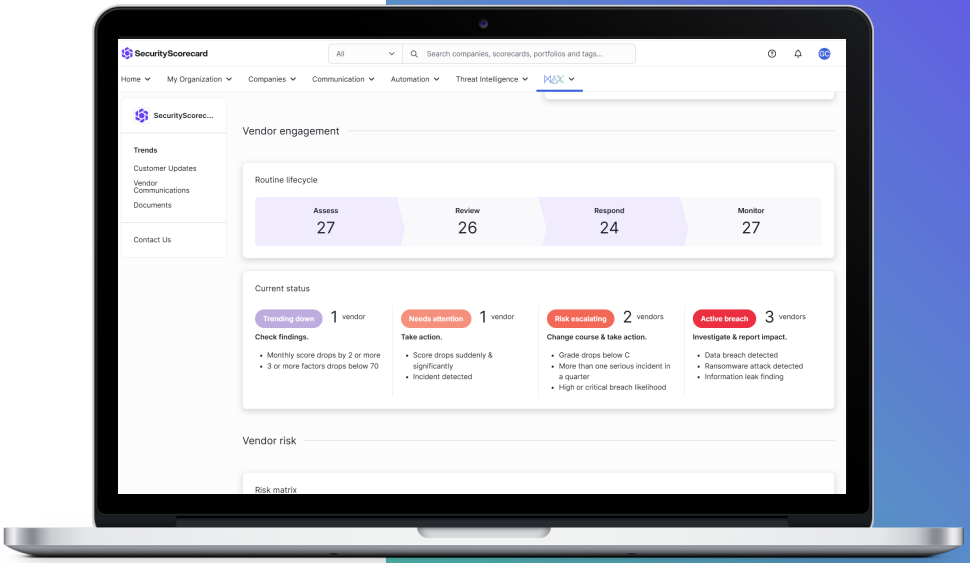
Supply Chain Cyber Risk:
Your Detailed Analysis

10 vendor investigation reports evaluating their cybersecurity health

Cyber risk rating of Low, Medium, High, or Critical

3 comprehensive vendor/entity cybersecurity assessments

Detailed report based on up to 6 months of cyber hygiene history and digital behaviors



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Major Account Director, Public Sector

Thank you

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