



DEFENSESTORM[®]

Cyber Storms are Brewing: Get Risk Ready

Presented: December 7, 2022

NAFCU
SERVICES

PREFERRED
PARTNER



Success can breed a false sense of security... financial institutions cannot be complacent. In a world of constantly evolving threats, vigilance must be maintained, particularly with the increasingly complex dependencies in the provision of financial services.

Acting Comptroller of the Currency,
Michael J. Hsu



Let's Explore How You Can Get Ahead of Cyber Threats

- Understand that cyber risk is real and growing
- Get “built for banking” cyber risk management
- Put our products & services to work
- From posture to risk readiness

Cyber Risk is Real and Growing

The Data Doesn't Lie About Cyber Risk

A credit union
averages **90 million**
potential cyber
events **every day**

Source: GRID Intelligent Data Platform

Company confidential. Not for distribution. ©DefenseStorm

\$4.6M

Avg. total cost of ransomware breach

\$2.3M

Higher cost with compliance complexity

38%

Lost business as % of breach cost

17%

Increase in cybersecurity breaches

Source: Identity Theft Resource Center; Ponemon, Cost of a Data Breach 2021

Cybersecurity Predictions for 2023... Are you *READY?*

Prepare Management

Board cybersecurity *readiness* will become business imperative

Get Ahead of Change

Adopt a focus of future-forward *readiness*

Manage Talent

Remain agile and optimize operations with targeting hiring and outsourcing

“

I only have to be wrong
ONCE...

”

Raghu Valipireddy, CISO



Built for Banking Cyber Risk Management

Get to the Fundamentals of Effective Cyber Risk Management



How do we know we're doing the **right** things?

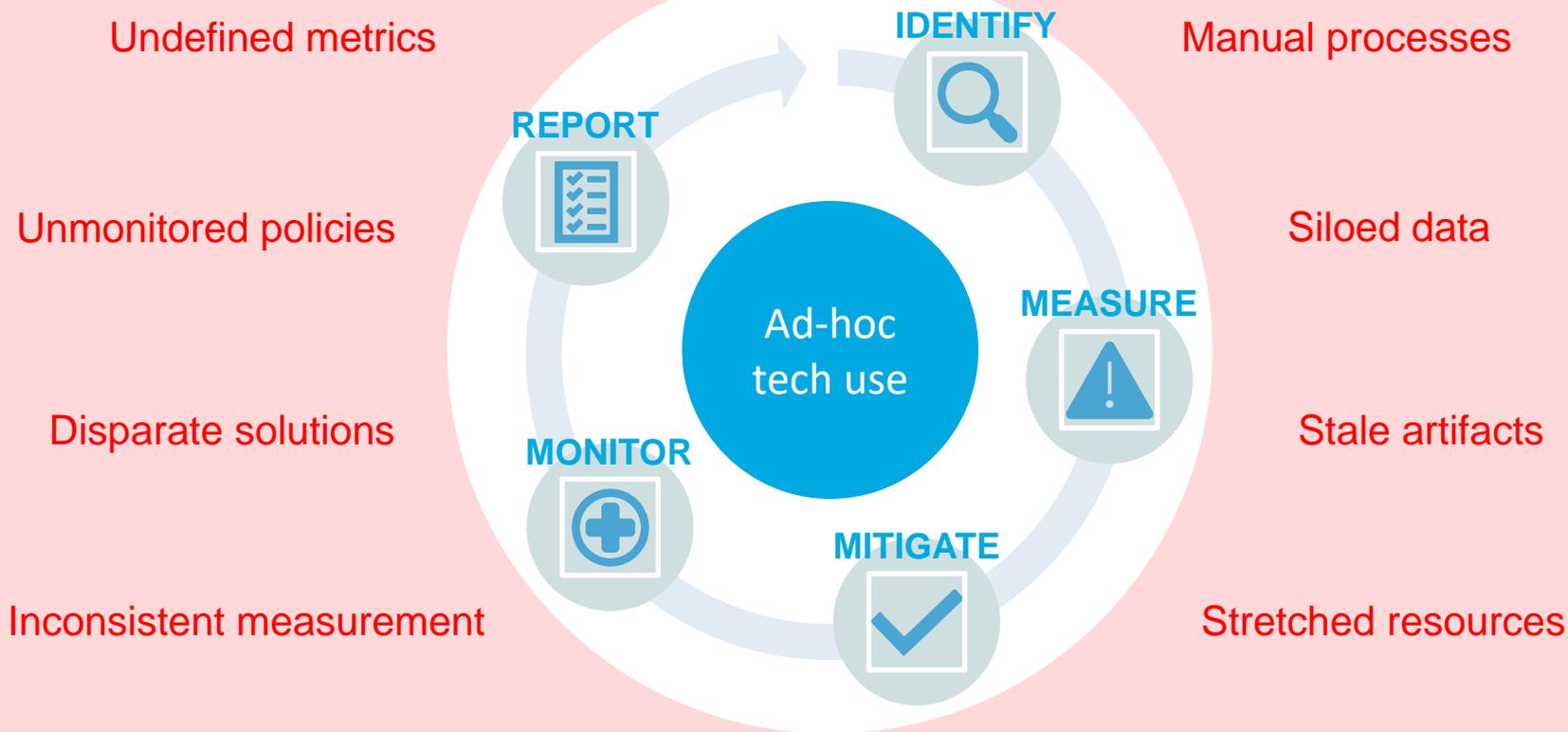


How do we know we're doing the **right** things **right**?

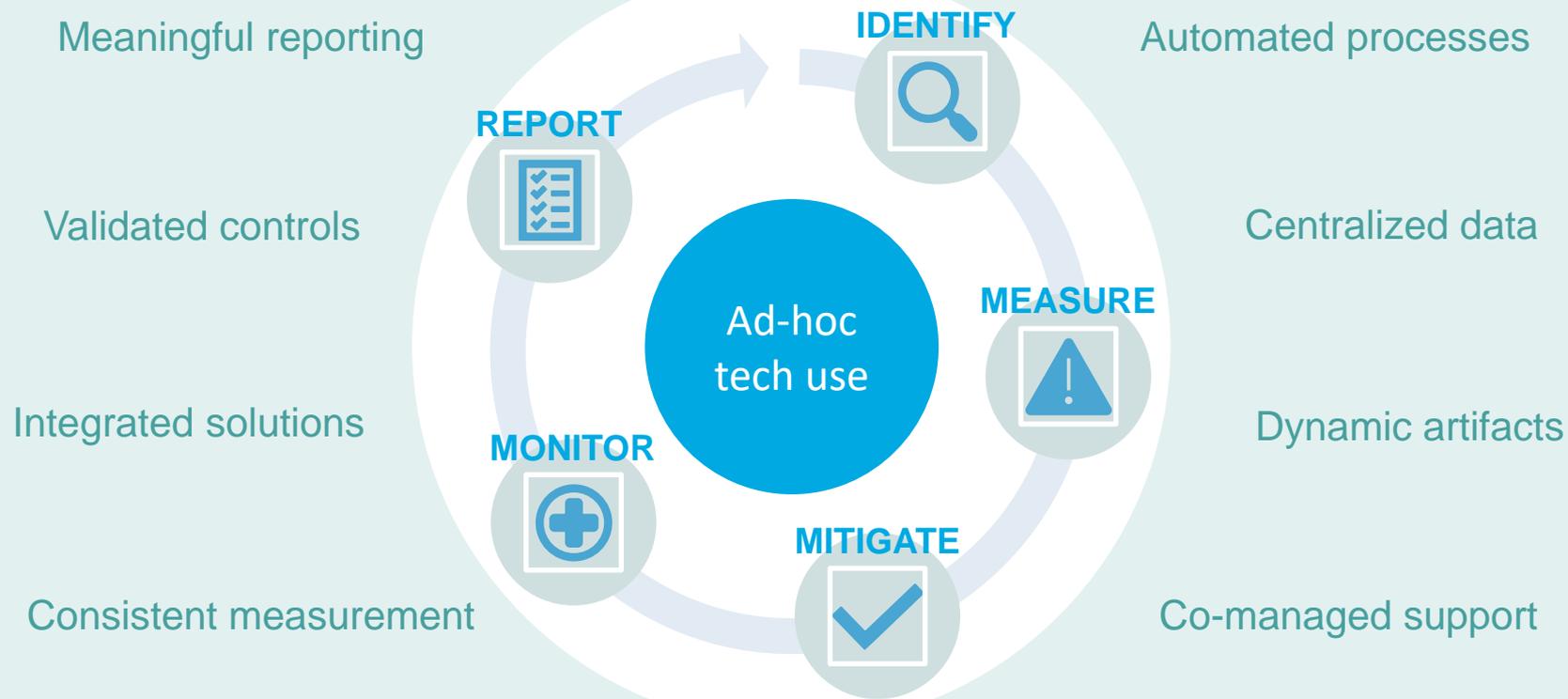


How do we *prove* we're doing the **right** things **right**?

Unfortunately, Many CU's Aren't Where They Should Be

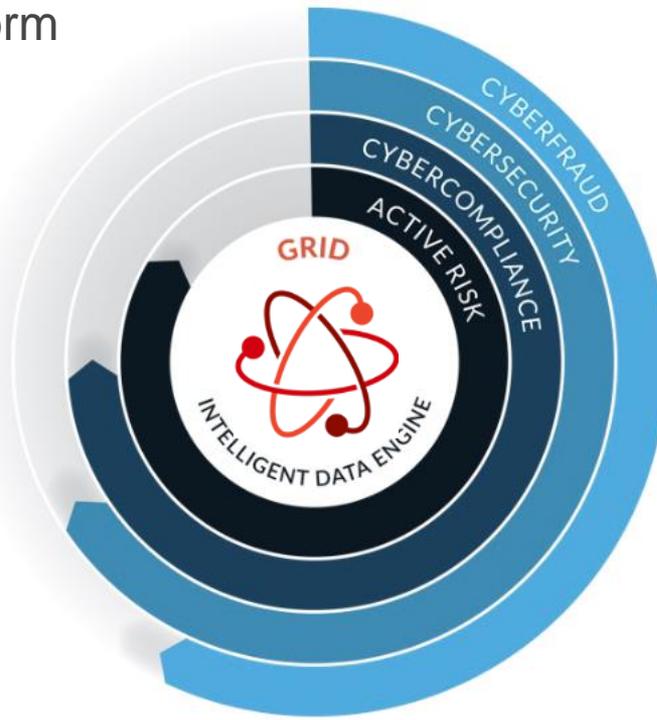


While Industry Leaders Are Taking Control of Cyber Risk



DefenseStorm Makes It Possible for All Credit Unions

The only integrated platform designed for *active* cyber risk management and built for banking



You'll be

- ...threat ready*
- ...board ready*
- ...audit ready*
- ...growth ready*

Active Risk: Start By Ensuring You're Doing the Right Things



Let's face it, risk assessments can be painful and daunting. Often it becomes a 'check the box' exercise done annually.

Active Risk enables a continuous approach to assessing risk, consistent evaluation of risks and controls, centralization and data integrity, and a clear picture of how risks and systems of controls have evolved.

Active Risk benefits include:

- Maintain and generate risk assessments from the same place you manage your risk
- Living risk assessment with real-time understanding of your risk profile
- Proactive and timely insights to inform impactful action items
- Dynamic planning, budgeting, and resource allocation
- Break down silos to identify and manage interdependencies across the organization

CyberCompliance: Efficiently Prove You're Doing the Right Things



Constantly changing regulations are meant to safeguard financial institutions, but they can be hard to keep up with.

CyberCompliance ensures your credit union in enforcing cyber controls within your network, as well as preparing for and addressing findings in security audits

CyberCompliance benefits include:

- Aligning your program to industry and regulatory control frameworks or proving adherence to industry and regulatory control frameworks
- Automated data collection process for more efficient audit preparations
- Align your internal controls with enforceable actions to better protect against potential threats
- Greater transparency for the board and executive team to understand your compliance position and make informed policy decisions

CyberSecurity: Always Do the Right Things Right



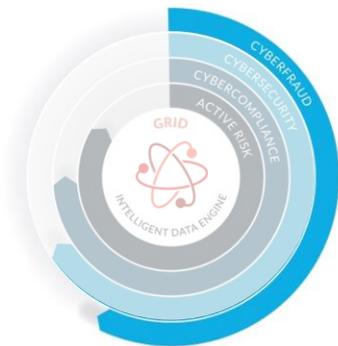
Threat actors are getting more aggressive, which means increased financial and reputational risk for your credit union.

CyberSecurity ensures you are proactively monitoring and detecting threats by using an advanced solution that covers your entire cybersecurity framework.

CyberSecurity benefits include:

- ThreatMatch constantly monitors your network to identify known cyber risks
- PatternScout analyzes data trends to scope out any red flags and detect threats more efficiently.
- Trigger Library catalogs security controls, policies, assets, etc. to determine possible vulnerabilities in your network
- Alert derivatives identify previously unseen threats, eliminate false positives and prioritize threats to elevate
- Integrated solutions include endpoint detection & response, as well as vulnerability management

CyberFraud: Even More of Doing the Right Things Right



From money laundering to account opening schemes, fighting fraud is no small feat in the cyber world.

CyberFraud ensures your credit union can decrease fraud threats and provide better protection for your institution, your bottom line, your reputation and, of course, your members.

CyberFraud benefits include:

- The ability to stop fraud before funds ever leave your credit union
- Real-time alerts when fraud risks are identified
- Addresses sources including new account opening, online and mobile banking, and internal fraud
- Comparative analysis of online financial risks, dark web intelligence and additional threat resources for heightened awareness
- Integration of your BSA/AML and security initiatives to improve level of interdepartmental communications

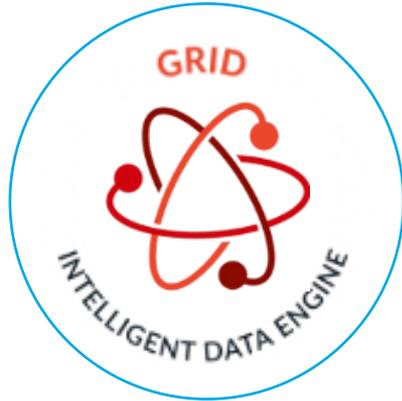
The Tangible Value of Fraud Prevention

\$860,000

saved in one incident of fraud prevention

- **Focus on Actionable Alerts:** 50% of alerts confirmed fraud vs. 2% historical
- **Less Time Examining Alerts:** 50 alerts for fraudulent activity vs 200 historical
- **Free Up Resources:** One FTE shifted to higher value work

GRID: The Intelligent Data Engine Powering Our Solutions



A unified technology platform that brings together all relevant cyber-risk data, processes and policies into a single repository.

ACCESS

- To the right data from the right systems
- Informed by regulations, policies, and procedures to which financial institutions are held accountable

ANALYSIS

- By an intelligent data engine that understands the key metrics you care about and what you are compared against
- By subject matter experts who live and breathe security for financial institutions and fintechs

ACTION

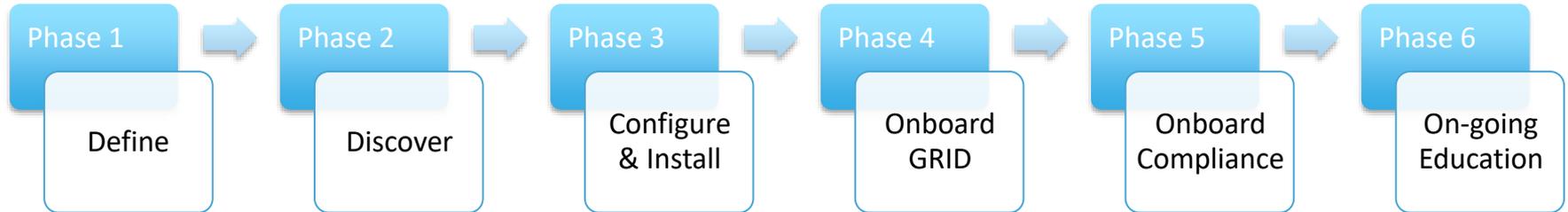
- That enables cyber risk readiness across the institution
- To maintain compliance, improve security and help prevent fraud
- That informs what you need to do next and where you might have gaps in coverage



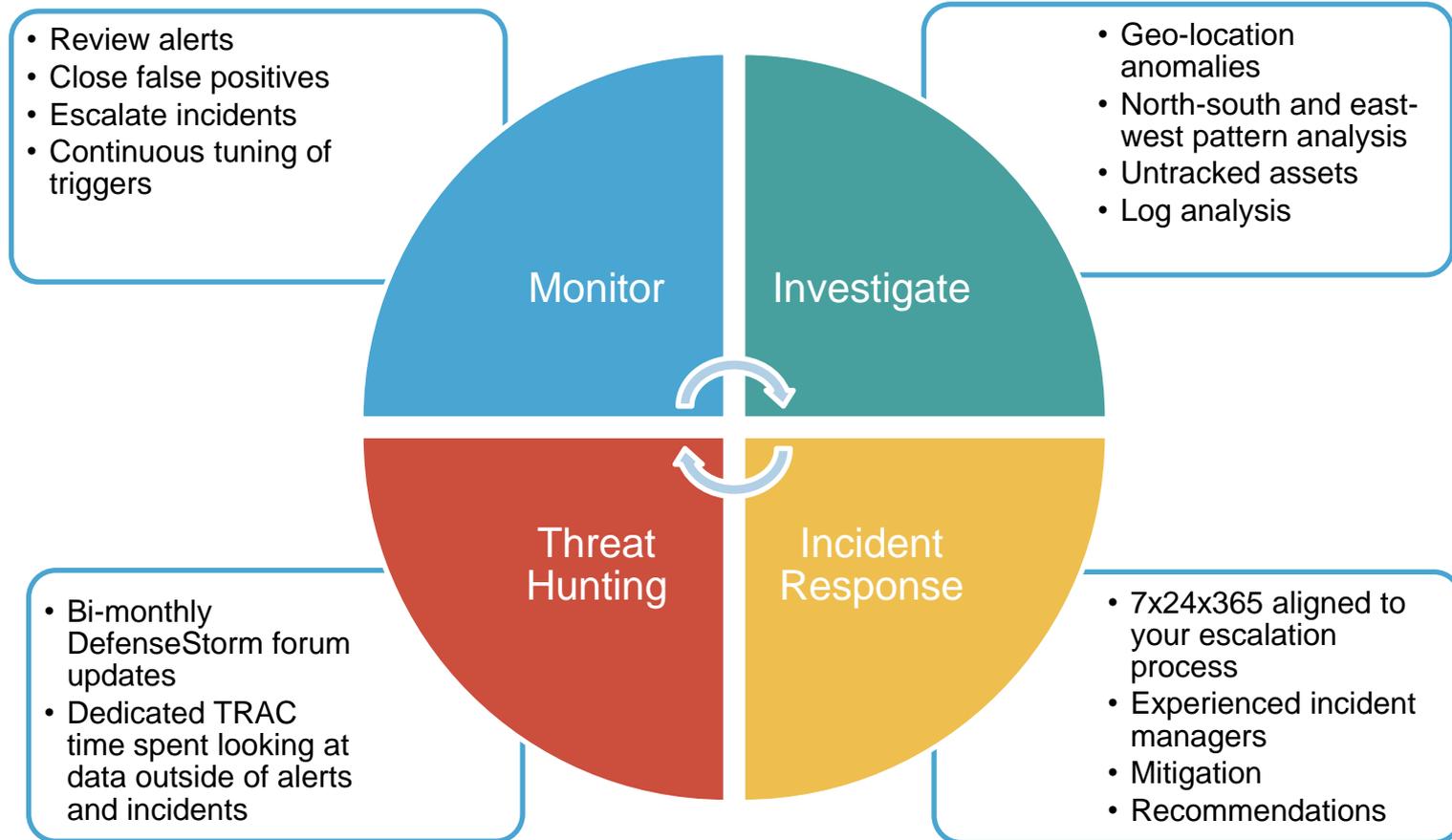
Put Our Products & Services to Work

We Take the Risk Out of Onboarding and Implementation

- Proven approach moves at the speed of your business



From Onboarding to Active Monitoring... the TRAC Team



Tracking Alerts and Incidents Through GRID

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Alerts Triggers Schedules Library ThreatMatch

TRIGGER VIEW

Sort by: Newest First

Active

- New (45)
- Acknowledged (134)
- Escalated (38)
- Dismissed (2075)
- False Positive (11)

Handled

- PatternScout Lateral Anomaly - Internal Protocol Model (2)
- User Account Password Change Attempt (1)

Low - User Account Password Change Attempt

Description: An attempt was made to change an account's password.

Search Query: `app_name!(\"microsoft-windows-security-auditing\" OR \"DefenseStorm Agent\") AND (event_id:4723) AND NOT defensestorm_type:alert`

Condition: UPPER THRESHOLD: 1

Created at 2019-03-04 (2 days)

Cause: Upper Threshold Violation

Count: 1

Events: 0.0 to 1.0

Trend line Upper Threshold Lower Threshold Upper

TRAC analysts review alerts every day

Incidents are reviewed and communicated

DEFENSESTORM OFFICE

Tickets Incidents Tasks Task Schedules

1 - 5 of 5

State: All Open Owner: All Created By: All Created: All Time

ID	TITLE	STATE	OWNER	CREATED	LAST MODIFIED
656	Alert: bro_ssl3 is Above threshold	Triage	Daniel	2019-02-08 by System	2019-02-08 by System
655	Alert: bro_ssl is Above threshold	Triage	Daniel	2019-02-08 by System	2019-02-08 by System
651	Powershell Execution	Analysis	Daniel	2018-11-20 by Daniel	2018-11-20 by Daniel
644	Support test escalation 2: (Trigger Name: Bro SSH Fired At: 2018-08-10T18:00:00Z)	Triage	Bryan	2018-08-10 by System	2018-08-10 by Bryan
643	Customer support Test escalation - (Trigger Name: Bro SSH Fired At: 2018-08-10T17:00:00Z)	Triage	Bryan	2018-08-10 by System	2018-08-10 by Bryan

Ongoing Engagement to Enhance Effective Utilization

The screenshot shows the DefenseStorm Connect Agent Portal. At the top, there is a navigation bar with 'Home', 'Forums', 'Tickets', and 'Knowledge Center'. The user is logged in as 'Paige Barry' and can access their profile or sign out. Below the navigation, there is a search bar with the placeholder text 'Enter your search term here...' and a 'SEARCH' button. To the right of the search bar, there are two links: '+ New support ticket' and 'Check ticket status'. The main content area is titled 'Community forums' and shows a list of forum topics. The topics are organized into two columns. The left column includes 'TRAC Security Bulletins (1419)', 'Release Notes (42)', and 'Peer to Peer Sharing (74)'. The right column includes 'System Notifications (138)'. Each topic has a list of recent posts with details like the author, time ago, and last reply.

DefenseStorm Connect™

Welcome Paige Barry
Agent Portal | Edit profile - Sign out

Home Forums Tickets Knowledge Center

How can we help you today?

Enter your search term here... SEARCH

+ New support ticket
Check ticket status

Community forums
Showing recent updates
Start a new topic

DefenseStorm Forums

TRAC Security Bulletins (1419)

DefenseStorm TRAC Team Service Update
Posted by Paige Barry, 4 days ago
Last Reply by James Bruhl a day ago

Security Intel Report 2-28-22
Posted by Elizabeth A. Houser, a day ago
Last Reply by Elizabeth A. Houser a day ago

Security Intel Report 2-25-22
Posted by Elizabeth A. Houser, 4 days ago
Last Reply by Elizabeth A. Houser 4 days ago

See all 1419 topics

System Notifications (138)

DefenseStorm System Maintenance Planned ...
Posted by Neil May, 21 days ago
Last Reply by Neil May 21 days ago

CVE-2021-4034 (PwnKit)
Posted by Paige Barry, a month ago
Last Reply by Paige Barry a month ago

System Notification - Email notifications from ...
Posted by Paige Barry, 11 months ago
Last Reply by Paige Barry 11 months ago

See all 138 topics

Release Notes (42)

DefenseStorm Product Roadmap Review We...
Posted by Paige Barry, 6 months ago
Last Reply by Paige Barry 6 months ago

DefenseStorm CyberCompliance – New Feat...
Posted by Paige Barry, 7 months ago
Last Reply by Paige Barry 7 months ago

Product Roadmap Update Webinar – H1 2021

Peer to Peer Sharing (74)

In case you missed it - Help Grow Our Comm...
Posted by Paige Barry, 8 months ago
Last Reply by Paige Barry 8 months ago

Help Grow Our Community of Trust and Earn ...
Posted by Paige Barry, 9 months ago
Last Reply by Paige Barry 9 months ago

Gain Peer Insights: Endpoint Detection and R...

Create Tickets

- Feature Requests
- Parsers
- Questions
- System Issues

Forums

- TRAC Security Bulletins
- System Notifications
- Release Notes
- Peer to Peer Sharing



From Posture to Risk Readiness

60 Credit Unions Have Chosen to Work with DefenseStorm



- **Founded in 1979**
- **HQ – Littleton, CO**
- **\$360 Million in assets**
- **62 Employees**
- **3 Branches**

- **Founded in 1953**
- **HQ – Muscle Shoals, AL**
- **\$1.1 Billion in assets**
- **260 Employees**
- **16 Branches**

- **Founded in 1938**
- **HQ – Lone Tree, CO**
- **\$3.5 Billion in assets**
- **632 Employees**
- **30 Branches**

“ We wanted more than a vendor; we were looking for a trusted partner who was passionate about taking care of the needs of our organization. DefenseStorm was the only provider to show that level of care.

Matthew Clements (former)
VP of Technology / Analytics

“ Prior to DefenseStorm, we scavenged through numerous systems gathering the evidence needed to satisfy examiners. With Active Compliance, we easily gather everything from a single system; saving a month of work in advance of an examination. Simply put, it does the stuff!

Heather Davis
Information Security Officer, Listerhill Credit Union

“ Deciding to work with DefenseStorm was a direct reaction to hearing from regulators about what they were going to be requiring banks to do. We knew we needed to get ahead and do it right.”

Carlos Vazquez
Chief information Security Officer

You Can Trust DefenseStorm to Deliver

2022 NPS Score



86

What our clients had to say:

- Excellent products
- Hyper-responsive support
- Deep understanding of FI needs
- Strong peer recommendations
- Strong FS-ISAC recommendations
- Acts as a partner, not a vendor





“

Waiting for the attack
to happen is never
the best response.

”

GCN, January 21, 2021



**What questions
can we answer
for you?**