# Get to Know K12 SIX

*K12 SECURITY INFORMATION EXCHANGE (K12 SIX)*

*AUGUST 29, 2023*

# K12 SIX Annual Sponsors

# *Today's Speaker*

**Doug Levin, Co-Founder and Director**

- 30+ years working at intersection of education, technology, public policy, and research

- Formerly: EdTech Strategies, LLC (President), SETDA (Executive Director), NASBE (Deputy Director/COO), NCTA (Senior Director, Education Policy), AIR (Principal Research Analyst)

- Creator of *K-12 Cyber Incident Map*; frequent speaker and commentator

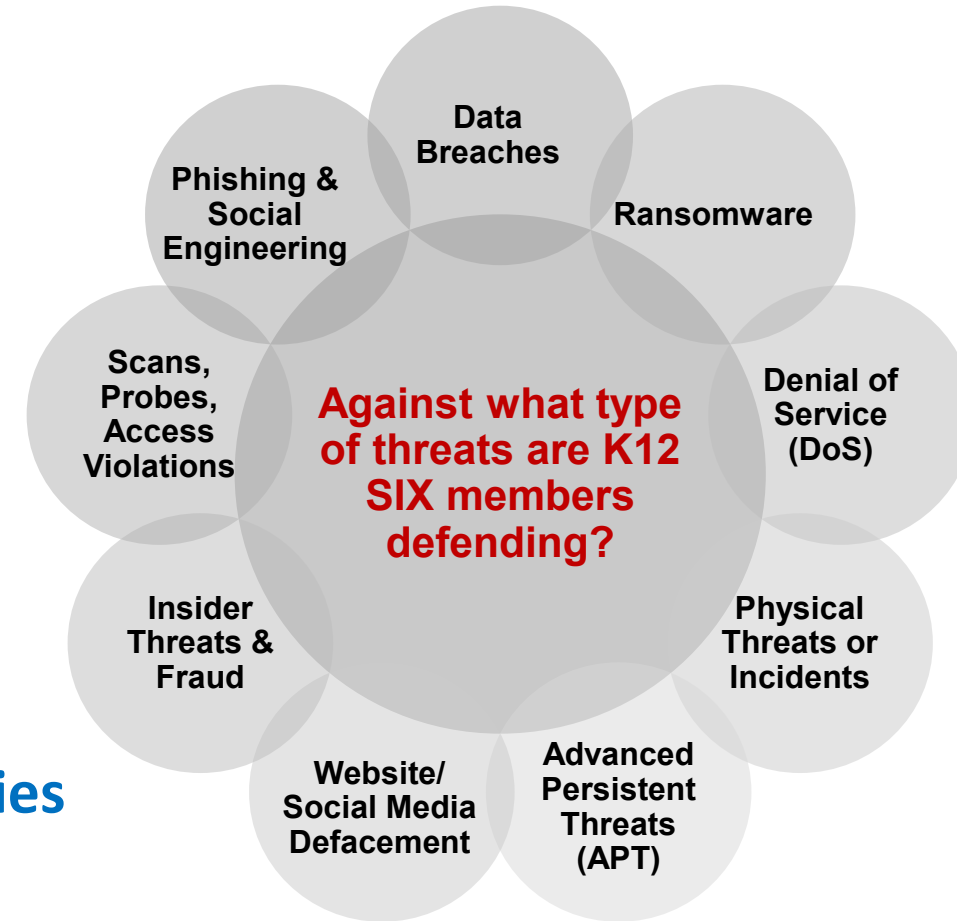- Appointed CISA Cybersecurity Advisory Committee

# Today's Agenda

- About K12 SIX and GRF

- Membership Benefits

- Impact

- How to Join

- Free Resources/Upcoming Events

# K12 Security Information eXchange (K12 SIX)

- A Global Resilience Federation (GRF) member community, K12 SIX is a real-time cyber threat intelligence sharing hub **exclusively for schools**, to aid in preventing and mitigating cyber threats.

- This non-profit member community provides cost-effective collective defense by crowdsourcing security information among a vetted, trusted group of professionals with a common interest, using common technology and with supporting, independent analysis from the K12 SIX security team.

**Collective defense | Best practices | Model policies**
**Professional development | Advocacy**

**https://www.k12six.org/member-benefits**

Data Breaches

Phishing & Social Engineering

Ransomware

Scans, Probes, Access Violations

**Against what type of threats are K12 SIX members defending?**

Denial of Service (DoS)

Insider Threats & Fraud

Physical Threats or Incidents

Website/ Social Media Defacement

Advanced Persistent Threats (APT)

# About K12 SIX

**Who We Are**

- Under the umbrella of the Global Resilience Federation, an information sharing and analysis center (ISAC) for the U.S. K-12 sector

- Non-profit, membership community focused on cybersecurity (i.e., IT/data confidentiality, integrity, availability) capacity building

- Trusted partner in protecting your school community from emerging cybersecurity threats

- Thought leader, advocate for the cybersecurity needs of the K-12 community

- Funded via school system memberships, supplemented by sponsorships

**Who We Aren't**

- Not a seller/endorser of cybersecurity solutions

- Not focused on K-12 physical security, nor on cybersecurity workforce development

- Not a general-purpose association for educational technology, not solely focused on issues of student data privacy

# *K12 SIX Membership Eligibility*

K12 SIX membership is open to U.S. K-12 organizations, including:

- School districts

- Charter schools/charter management organizations

- Private/independent schools

- Regional education agencies

- State education agencies

→ K12 SIX member school systems may designate MSP/outsourced K-12 IT staff as their K12 SIX representative.

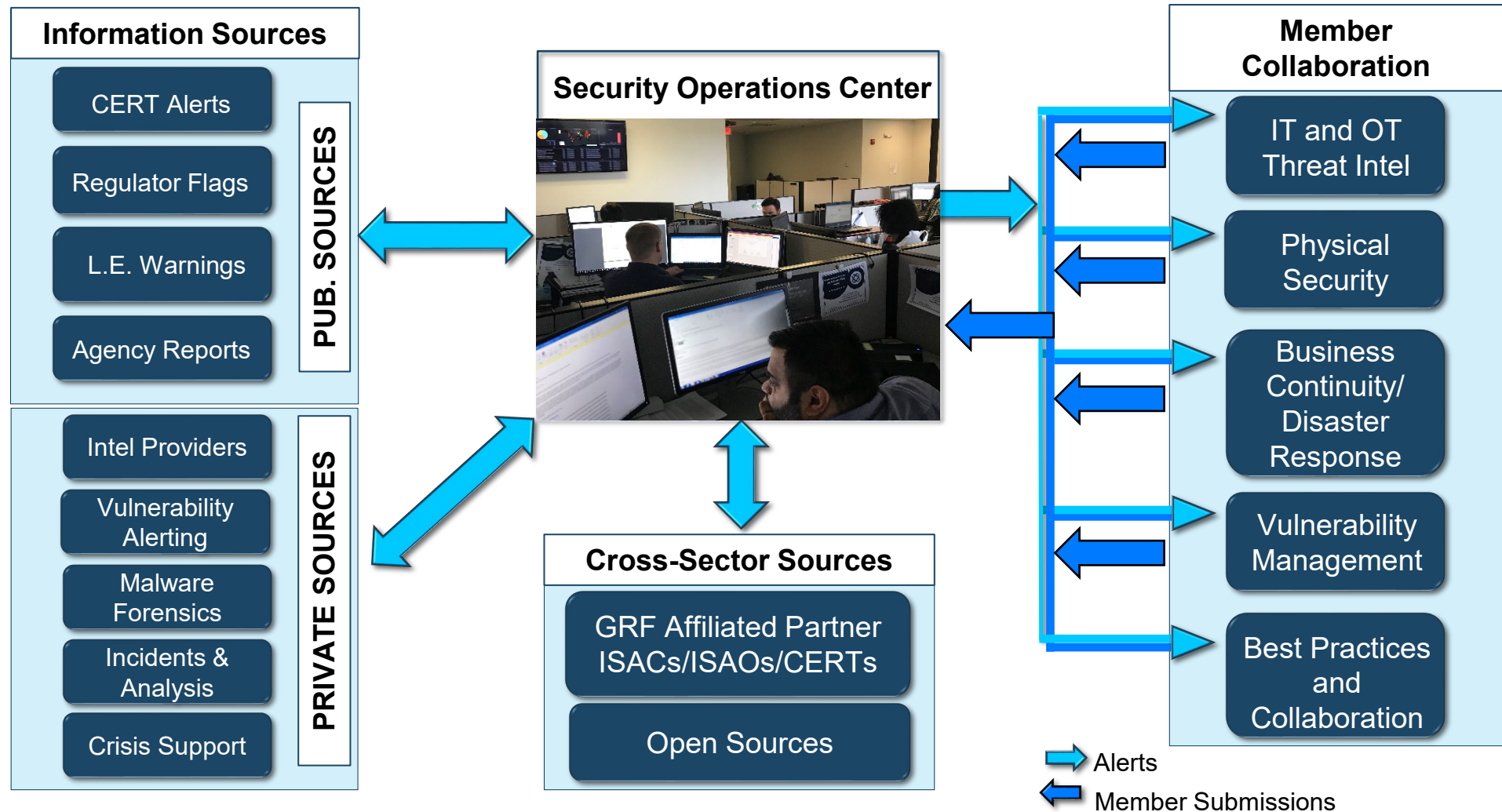→ Exploring options to serve K-12 vendors/suppliers, non-U.S. school systems.

# The Federation Advantage

K12 SIX is a Global Resilience Federation (GRF) member community. GRF acts as an information hub: aggregating and analysing security information, disseminating actionable intelligence, and streamlining cross-sector collaboration.
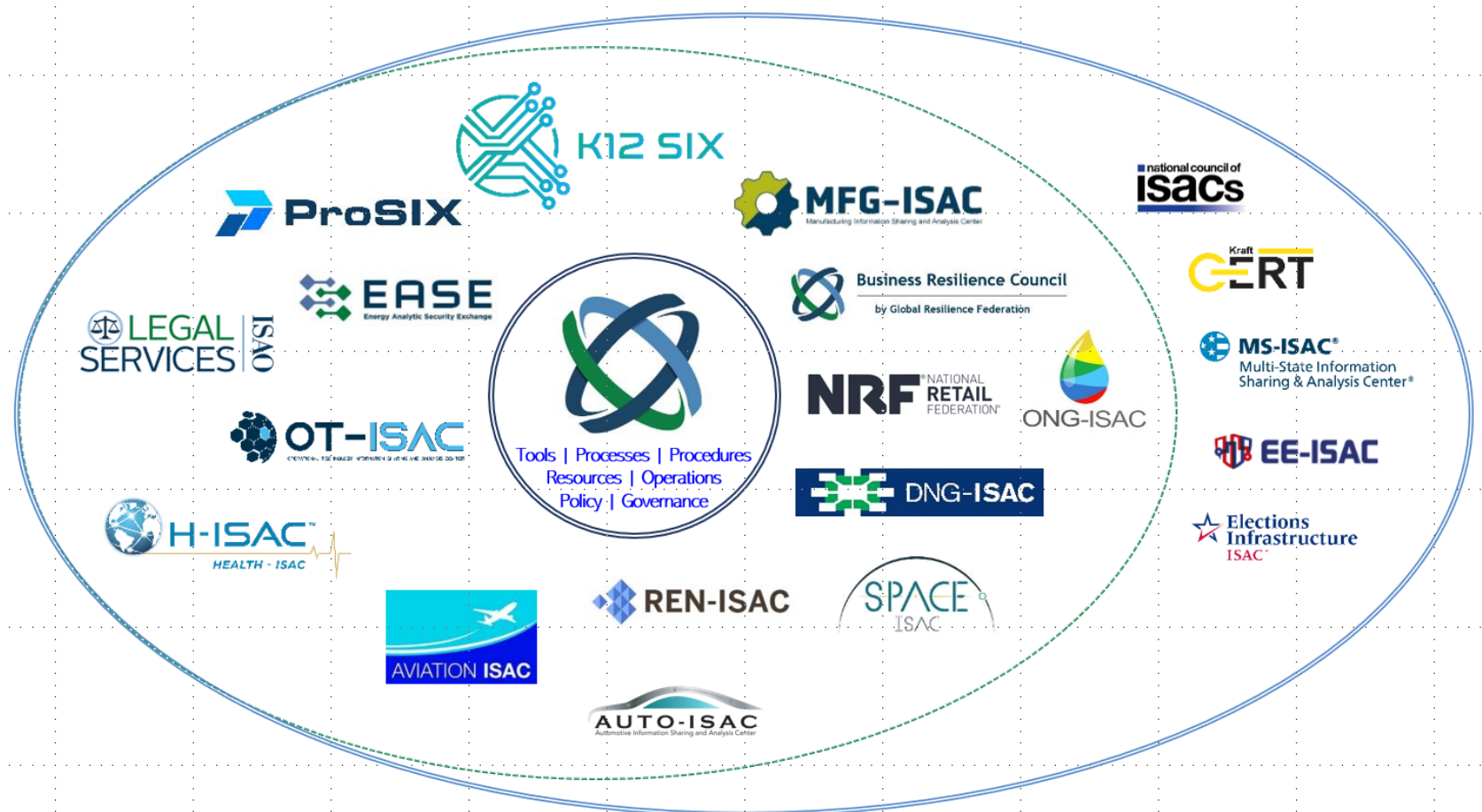
# Global Resilience Federation Sharing Pathways

**Information Sources**

PUB. SOURCES
- CERT Alerts
- Regulator Flags
- L.E. Warnings
- Agency Reports

PRIVATE SOURCES
- Intel Providers
- Vulnerability Alerting
- Malware Forensics
- Incidents & Analysis
- Crisis Support

**Security Operations Center**



**Cross-Sector Sources**
- GRF Affiliated Partner ISACs/ISAOs/CERTs
- Open Sources

**Member Collaboration**
- IT and OT Threat Intel
- Physical Security
- Business Continuity/ Disaster Response
- Vulnerability Management
- Best Practices and Collaboration

Alerts

Member Submissions

# K12 SIX Membership Benefits

- K-12 focused cyber threat news, information, and analysis (continuously updated): news, events, incidents, threats, vulnerabilities, etc.

- Access to a secure, collaborative cyberthreat information sharing online portal and mobile app

- Summary weekly newsletters/reports, providing situational awareness on vulnerabilities, ransomware activity, and K-12 specific news

- Bi-weekly analyst-led threat briefings

- Weekly peer-to-peer 'water cooler'

- Anonymized/secure peer-to-peer threat sharing/request for information facilitation

- Opportunities to contribute: technical working group, meeting participation, public speaking, etc.

- Priority access to National K-12 Cybersecurity Leadership Conference

# K12 SIX Cyware Situational Awareness Platform (CSAP): Primary Threat Intelligence Feed



- Available online and via mobile app (Android and iOS)
- Continuously updated, drawing from multiple intelligence sources
- Powerful search and filter functions
- Critical, K-12 specific alerts are also delivered via email to K12 SIX members

# K12 SIX Cyware Situational Awareness Platform (CSAP): RSS Feed Manager



- Allows easy way to centralize tracking of public threat feeds and cybersecurity news

# K12 SIX Cyware Situational Awareness Platform (CSAP): Crisis Notification System



- Allows for flexible 24/7 outreach to K12 SIX members (or their designees) in the event of a crisis

# K12 SIX Cyware Situational Awareness Platform (CSAP): Document Library



- Central repository for all important reference documents, including archives of member meetings and events

# K12 SIX Cyware Situational Awareness Platform (CSAP): Event Calendar



- Captures all regularly scheduled and ad hoc member meetings and events
- Exportable to K12 SIX member calendars

# K12 SIX Cyware Situational Awareness Platform (CSAP): Portal Messenger



- Real-time secure chat functionality, similar to Slack/Teams

- Available online and via mobile app

- Ability to submit threat intel and requests for information

# K12 SIX Impact

- Definitive source for publicly-disclosed K-12 cybersecurity incidents (K12 Cyber Incident Map)

- Publisher of K-12 Essential Cybersecurity Protections suite

- RFIs: cyber insurance requirements, MFA implementation, K-12 cybersecurity policies, pros/cons of cybersecurity roadmap, SLCGP implementation, etc.

- Confidential aid to K-12 cyber incident victims (proactive/upon request, districts/vendors)

- Crowdsourced the Log4j vulnerability status of commonly used K-12 software (both in the classroom and for operations/administration)

- Partnerships with the federal government (ED, CISA) and national/state associations (SETDA, AASA, METAA, etc.)

- Keynotes, presentations; work widely cited by policymakers, media

# How to Join K12 SIX

- Visit [www.k12six.org](www.k12six.org)

- Click 'Join' button in upper right corner of your screen

- Fill out online application, pay annual membership dues (based on student enrollment/organization type)

- Schedule orientation

# K12 SIX Public Resources

- **The K-12 Cyber Incident Map:** https://www.k12six.org/map **and "State of K-12 Cybersecurity: Year in Review" report series** https://www.k12six.org/the-report

- **K12 SIX 'Essentials' Series:** https://www.k12six.org/essentials-series

  - Cybersecurity Frameworks: What K-12 Leaders Need to Know

  - K-12 Essential Cybersecurity Protections Series

  - K-12 Cyber Incident Response Runbook

- **2024 K12 SIX Annual Conference (Savannah, Feb 13-14, 2024)**

# K12 SIX Public Resources

**Webinar Series:** https://www.k12six.org/webinars

- **9/5: Unifying your Cybersecurity Posture at the Identity: SIEM/SOAR/SOC for K-12**

- **9/12: Leveraging AI to Defend Against Back to School Threats**

- **9/26: The Four Pillars of School Security**

# Questions?

Membership/partnership inquiries: info@k12six.org or https://www.k12six.org/contact