



K12 SIX

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

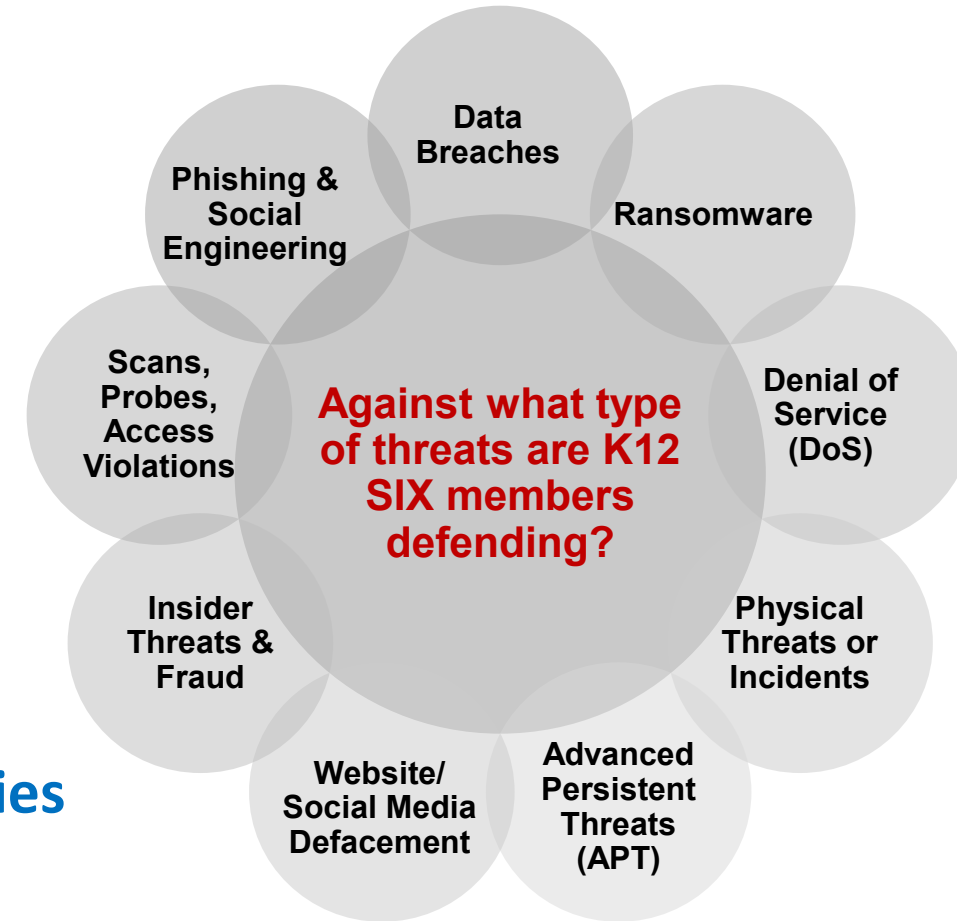


- About K12 SIX and GRF
- Membership Benefits
- Impact
- How to Join
- Free Resources/Upcoming Events

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>

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

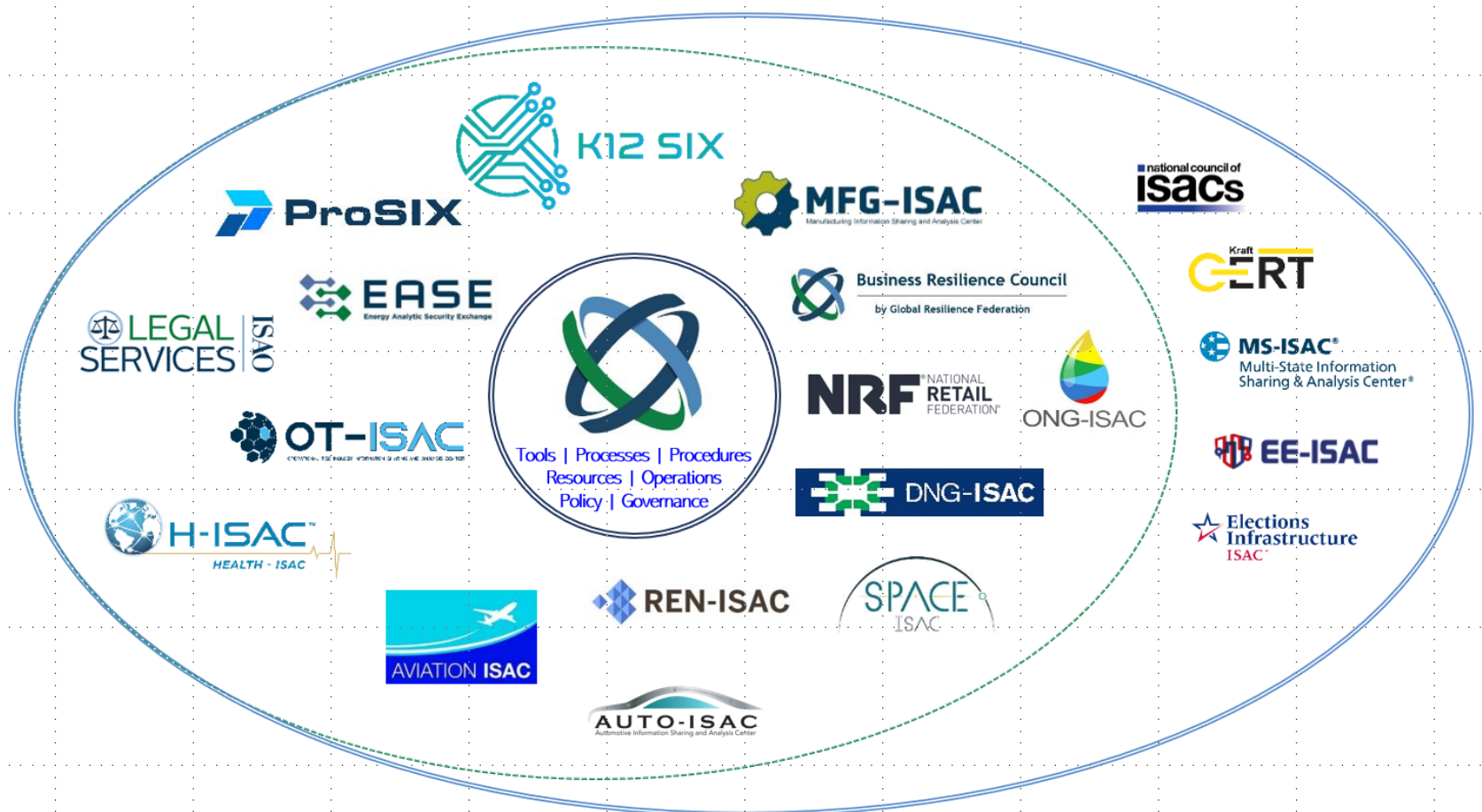
→ K12 SIX member school systems may designate MSP/outsourced K-12 IT staff as their K12 SIX representative.

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



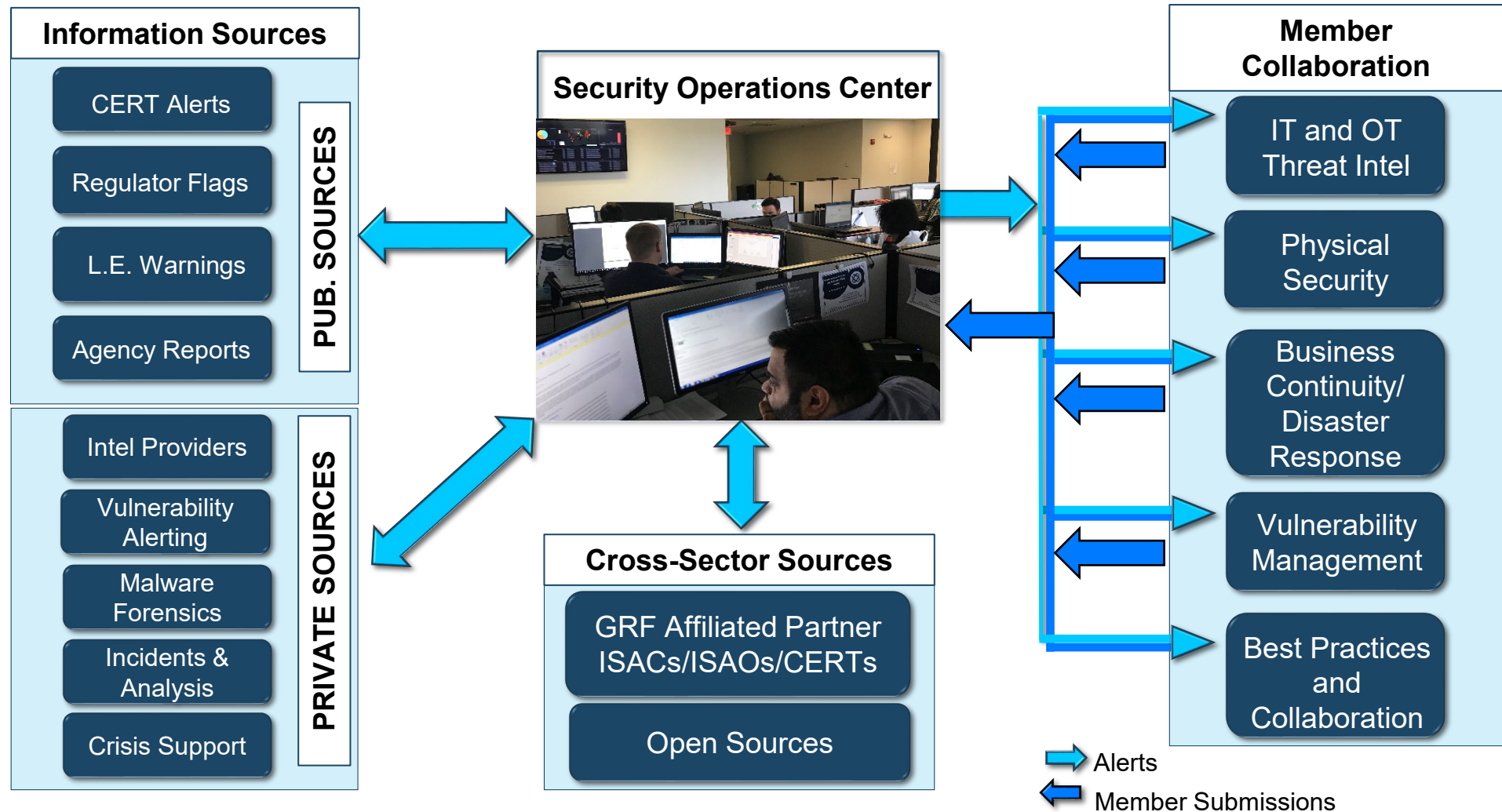
The Federation Advantage

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





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

The screenshot displays the CSAP interface. On the left, a sidebar shows navigation options and a list of alerts with filters for 'Announcement', 'Vulnerability Advisories', and 'Informational'. The main content area shows a detailed view of an alert titled 'Presidential Cybersecurity Education Award: Nominations Open'. The alert includes a banner with the K12 SIX logo, a description of the award, a deadline, and submission instructions. Below the main alert, there are 'RELATED ALERTS' including reminders about a data breach report and an incident response working group. On the right, a sidebar provides details for the selected alert, including its ID (aa921453), category (Announcement), and creation time (May 10, 2022, 11:15 AM). It also features a 'Contact Analyst' button and a feedback section.

- 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

The screenshot displays the CSAP RSS Feed Manager interface. At the top, there is a search bar labeled 'Search CSAP' and a '+ New' button. Below the search bar, the 'Feeds' section is visible, with tabs for 'All Feeds', 'Bookmarked', and 'Archived'. A list of feeds is shown on the left, including 'Webroot Blog', 'Malwarebytes', 'Security News', 'Dark Reading', 'Bleeping Computer', 'ZDNet', 'CISO News', 'Tripwire - State of Security', 'Security on TechRepublic', 'Vulnerabilities', 'MITRE ATT&CK', 'Threatpost - Vulnerabilities', 'Threat Advisories', and 'CISA Alerts'. The main content area shows a detailed view of the 'AA22-117A: 2021 Top Routinely Exploited Vulnerabilities' feed, including the original release date (April 27, 2022), a summary, technical details, key findings, and a list of the top 15 routinely exploited vulnerabilities.

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



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

Crisis Profile Edit

1. Select Business Hours
Please enter your business hours, time zone, and voice preference.

Start Time: 08:00 | End Time: 19:00 | Time Zone: (GMT- 5:00) Eastern Time (US and Canada) | Voice Preference: Mary

2. Add Contact Numbers
Please enter the emergency contacts for your organization.

Code*: +1 | Phone Number: 5712671288 | Send SMS

3. Set Call Priority Order
Please specify the order of call priority for your emergency contacts.

Priority	Weekday (Business Hours)	Weekday (After Business Hours)	Weekend
1	5712671288	5712671288	5712671288

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



Powered By

v3.3.0



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

CSAP K12 SIX Search CSAP + New

Doc Library

All Files My Files & Folders Shared with me Starred

Filters

Starred	Type	Name	Size	TLP	Owner	Last Modified	Actions
☆	19	Attachments from Member Submission	-	○	A Staci Elliott	Jan 21, 2022, 03:04 PM	🔗 ⓘ
☆	13	Cybersecurity Best Practices	-	○	A Jinny Kang	Oct 14, 2020, 12:30 PM	🔗 ⓘ
☆	3	GRF Business Resilience Council - Geopolitical Reports	-	○	A Staci Elliott	Apr 07, 2022, 10:22 AM	🔗 ⓘ
☆	141	GRF COVID-19 Reports	-	○	A Jinny Kang	Sep 30, 2020, 11:20 AM	🔗 ⓘ
☆	1	GRF Monthly Newsletter	-	○	A Staci Elliott	Apr 04, 2022, 12:23 PM	🔗 ⓘ
☆	7	K12 SIX Essential Protections Series	-	○	A Doug Levin	Sep 03, 2021, 12:16 PM	🔗 ⓘ
☆	8	Member Resources	-	○	A Jinny Kang	Sep 17, 2020, 11:26 AM	🔗 ⓘ
☆	33	Monthly Member Meeting Archives	-	○	A Jinny Kang	Sep 23, 2021, 11:26 AM	🔗 ⓘ
☆	74	MS-ISAC Alerts	-	○	A Arshad Somani	Feb 22, 2021, 04:52 PM	🔗 ⓘ
☆	4	Public Partner Alerts	-	○	A Arshad Somani	May 03, 2021, 10:38 AM	🔗 ⓘ

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



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

The screenshot shows the CSAP Events page. At the top, there is a search bar labeled 'Search CSAP'. Below it, the 'Events' section is visible. On the left, there are navigation icons and a sidebar showing 'Past Events: 3' and 'Upcoming Events: 1'. The main area is a calendar grid for May 2022. The grid shows several events, including 'Open Office Hours | Virtual Ask-a-Cl' and 'GRF Monthly Cross-Sector Collaboration Call'. A sidebar on the left also lists 'Upcoming Events' with details for the 'GRF Monthly Cross-Sector Collaboration Call' on May 12, 2022.

The screenshot shows the details for the event 'K12 SIX Member Brown Bag: Data Breach Report Out'. At the top, there is a 'Download as ICS file' button. Below it, the event title is displayed. The 'Starts' and 'Ends' fields show the event is on Thursday, May 05, 2022, from 11:00 am to 12:00 pm. The 'Location' is 'Microsoft Teams' with 'No URL Provided'. There are three buttons: 'Attend', 'Maybe', and 'Not Attending'. Below this, the 'About Event' section is visible, with a redacted area. The text describes the event as a report on a recent district data breach and the goal is to share knowledge. It also mentions that Microsoft Teams will be used for the meeting. At the bottom, there are links for 'Join on your computer or mobile app' and 'Or call in (audio only)' with a phone number and conference ID.

- 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

The screenshot displays the K12 SIX Portal Messenger interface. On the left, a sidebar contains navigation icons and a list of alerts, including 'Presidential Cybersec', 'Vulnerability Advisories', and 'Creative Student Hacking'. The main chat area shows a discussion titled 'Illuminate Education/EduCLIMBER breach?' dated April 21, 2022. Messages from 'Doug Levin (You)' include a context link to a news article, a screenshot of a school bus, and a follow-up report. The chat also features embedded news articles from 'The Record' and 'The Journal' regarding a data breach affecting 820,000 students. The right sidebar shows a list of alerts with categories like 'Announcement', 'Informational', and 'Vulnerability Advisories'.

- 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
- 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>

