

**Capitol Region Educational Technology Leadership Cohort
January 14, 2022**

Hosted by Sacramento City USD

12:00 – 2:30

ZOOM MEETING

Meeting Notes

Round Table Sharing

Most districts are working on putting information into student information systems for COVID tracing. Sac City and a few others are using Power BI to create dashboards that are shared out with families. Sac City is struggling to keep information up to date and is currently about three or four days behind. All staff will need to be vaccinated or have exemption by the last Friday of the month. If they are not, they will go on unpaid leave.

Natomas is not collecting vaccination data, just taking families' word for student's status. Galt HS also trying to look at how to track exemptions.

Elk Grove is having a hard time keeping up with the volume of contact tracing. The district began at the classroom level but now have moved to the school level. Natomas is also now at the site level instead of classroom.

Bob Lyons suggested everyone look at Bump Armor for laptop cases. They have worked well for him over the years.

SCUSD really struggling with licensing cost under Cisco. A few representatives suggested looking at putting the cost under E-Rate.

Red Herring – Anti-Phishing System (Jerry Jones) Inform K-12

Red Herring is a simulation and training tool for phishing. SCOE has setup a MOU and is bringing it onboard. San Diego will be a part of initial setup and then SCOE will help districts once they in the middle of training. MOU was more focused around the fact that this is just a training tool and will not be used punitively against staff.

KnowB4 -SCOE looking at security training pricing for the whole county. Reach out to Andrew Brooks if interested.

Schools Insurance Authority (SIA) Presentation on Breach Insurance – Non-Profit Consortium

SIA is partnering with Alliant Insurance to create an application process to help ensure districts receive coverage next year. The PDF attached includes the main items that underwriters will be looking for when renewing insurance. There will

be an online portal that can be used to fill out the forms. The hope is to have the forms back by the end of February at the latest. Districts should fill out the checklist with what is happening today, not what the future might look like. Districts should include a note for any future plans, but only current policies and procedures should be included.

There were several questions about clarification for different items on the list. The Alliant representative took notes based on the conversation and there are plans for some revisions to be made. Once the finalized list is ready it will be shared out. For example, there was a discussion around Disaster Recovery Plan versus a Business Continuity Plan. Andrew Brooks created an Excel version of the checklist which will be shared out.

A major item of concern for the cohorts was remote access to email from any non-work device must have multi-factor authentication.

Bryan Wilke noted that setting up Endpoint Recovery for the district took about three months, so he recommends getting started sooner rather than later. EDR is suggested, EPP is a must.

The underwriters will look at the information submitted by districts and will take everything into consideration. This is not a simple checklist that will just be glanced at. There will be time for each submission and all information submitted will be taken into consideration, including any future plans.

Jerry Jones shared the following link for MFA Resources that can assist in any Cabinet/Superintendent Discussions: <https://bit.ly/mfa-materials>

Next Meetings:

2021-2022 SCHOOL YEAR:

March 11, 2022 – Steve Mate (Elk Grove)

May 13, 2022 – Edith Holbert (Lodi)



PUBLIC ENTITY

System Security Standards Guidelines for Cyber Quotes

Bulletin #1 | October 2021

As the cyber insurance market continues to harden, we prepared this summary of minimum security standards needed by the marketplace to obtain a quote. Please note that each underwriter has its own nuances; however, this list captures the general marketplace.

- » Multi-factor authentication - 100% implemented for:
 - » Remote access
 - » Laptops
 - » Privileged access
- » End-point protection, detection, and response product implemented across enterprise with 24/7/365 response
- » If Remote Desktop Protocol connections enabled, the following are implemented:
 - » VPN access only
 - » MFA for access
 - » Network level authentication enabled
 - » Remote Desktop Protocol Honeypots
- » Backups
 - » 1 working copy, 1 offsite, disconnected not working, 1 onsite disconnected not working
 - » Tested at least twice a year
 - » Ability to bring up within 24-72 hours – less time for critical operations (4 hours)
 - » Protected with antivirus or monitored on a continuous basis
 - » Encryption
- » Planning and Training:
 - » Incident Response Plan
 - » Business Continuity Plan
 - » Social Engineering Training
 - » Phishing Training
 - » Training of account team staff on fraudulent transactions
 - » General cyber security training
- » Critical & high severity patches installed within 30 or fewer days, optimally within 1-7 days
- » Plan or adequate measures in place to protect end of life software

For more detailed information please see the following document from Beazley Ins. Co. This and other useful materials related to Public Entity Cyber insurance products can be found on the Public Entity Cyber Corner on AlliantNet.

Alliant note and disclaimer: This document is designed to provide general information and guidance. Please note that prior to implementation your legal counsel should review all details or policy information. Alliant Insurance Services does not provide legal advice or legal opinions. If a legal opinion is needed, please seek the services of your own legal advisor or ask Alliant Insurance Services for a referral. This document is provided on an “as is” basis without any warranty of any kind. Alliant Insurance Services disclaims any liability for any loss or damage from reliance on this document.



Protecting your organization against ransomware

Minimum protection

- **Deploy and maintain a well configured and centrally managed End-Point Protection (EPP) solution:** A robust EPP/anti-virus solution is a basic component of any security program.
- **Email tagging:** Tag emails from external senders to alert employees of emails originating from outside the organization.
- **Email content and delivery:** Enforce strict Sender Policy Framework (SPF) checks for all inbound email messages, verifying the validity of sending organizations. Filter all inbound messages for malicious content including executables, macro-enabled documents and links to malicious sites.
- **Office 365 add-ons and configuration:** Enable two-factor authentication (2FA) on Office 365 and use Office 365 Advanced Threat Protection.
- **Macros:** Disable macros from automatically running. Ideally disable them from running at all if your business does not need them.
- **Patching:** Conduct regular vulnerability scans and rapidly patch critical vulnerabilities across endpoints and servers – especially externally facing systems.
- **Remote Access:** Do not expose Remote Desktop Protocol (RDP) directly to the Internet. Use Remote Desktop Gateway (RDG) or secure RDP behind a multi-factor authentication-enabled VPN.
- **Media usage controls:** Put in place controls on the insertion and/or use of media which does not carry appropriate authentication/media identifiers.
- **Well-defined and rehearsed incident response process:** Helps mitigate losses and rapidly restore business operations after a ransomware attack.
- **Back-up key systems and databases:** Ensure regular back-ups which are verified and stored safely offline.
- **Educate your users:** Most attacks rely on users making mistakes, train your users to identify phishing emails with malicious links or attachments. Regular phishing exercises are a great way to do this.
- **Firewalls:** Use network and host-based firewalls with well considered rule-sets, for example, disallow inbound connections by default.

Stronger protection

- **Establish a secure baseline configuration:** Malware relies on finding gaps to exploit. A baseline configuration for servers, end-points and network devices that conforms to technical standards such as Center for Internet Security (CIS) benchmarks can help plug those gaps.
- **Filter web browsing traffic:** Web filtering solutions will help prevent users from accessing malicious websites.
- **Use of protective DNS:** Helps deny access to known malicious domains on the Internet.
- **Manage access effectively:** Ransomware doesn't have to go viral in your organization. Put in place appropriate measures for general user and system access across the organization: privileged access for critical assets (servers, end-points, applications, databases, etc.) and enforce multi-factor authentication (MFA) where appropriate (remote access/VPN, externally facing applications, etc.)
- **Regular testing of back-ups:** Reduces downtime and data loss in the case of restoring from back-ups after a ransomware attack.
- **Disconnect back-ups from organization's network:** Prevents back-ups from being accessed and encrypted by ransomware in case of a successful attack on an organization's main network.
- **Separately stored, unique back-up credentials:** Prevents bad actors from accessing and encrypting back-up data.

Best protection

- **End-point detection and response (EDR) tools:** EDR solutions monitor servers, laptops, desktops and managed mobile devices for signs of malicious or unusual user behavior/activity. These tools also enable near immediate response by trained security experts. When effectively deployed and monitored, EDR tools are one of the best defenses against ransomware and other malware attacks.
- **Intelligent email evaluation:** Automatically detonate and evaluate inbound attachments in a sandbox environment to determine if malicious prior to user delivery.
- **Centralized log monitoring:** Centralized collection and monitoring of logs, ideally using a Security Information and Event Management (SIEM) system, identifies threats which breach your internal defenses.
- **Subscription to external threat intelligence services:** Provides access to external services that can provide details of developing attacker tactics, techniques and procedures. They also provide access to databases of known bad websites, mail attachments, etc.
- **Encrypted back-ups:** Prevents use of back-up data by bad actors.
- **Network segregation:** control access and/or traffic flow within the network environment. A well-configured firewall rule set will ensure that only the required traffic can flow from one segment to another. Furthermore, segregate end of life/support systems/software as a priority.
- **Web isolation:** Use of a web-isolation and containment technology to create a secure Internet browsing experience for your users.
- **Application permissions:** Only permit applications trusted by your organization to run on devices.



Lodestone Security can help you make impactful changes to your security posture to either prevent breaches before they occur or prevent recurrences. For additional information:

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KPMG offers a wide range of services to help organizations defend against and respond to ransomware attacks. To discuss how they can help please contact:

Matthew Martindale – Partner, Cyber Security
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