

DEVICE IMAGING AND INTEGRATION

DII T4 Meeting



Nancy, Daniel, Larry, Derly, Anthony, Lillie, Austen

The **DII Team** met for their weekly T4 meeting to discuss ongoing projects, upcoming projects, and each team member's contributions during the week.

The following are takeaways from the meeting:

1. Release new Windows 10 image end of day Thursday.
2. Continue working on the Capacity and Capability Matrix.
3. POC of Overwatch for fuel usage and exhaust data at Transportation.
4. Plan Ivanti Certification Level 2 Course for April and update course.
5. Upcoming Ivanti patching.

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Journey Ed Meeting



Larry and Jeffrey

The following are takeaways from the meeting:

1. JourneyEd want to review and learn how CFISD does business.
2. JourneyEd wants to build relationship
3. Larry will notify Jeffery when RFP for Endpoint Protection is ready

Larry met with Jeffrey Mcguire from JourneyEd. JourneyEd works with school districts to offer pricing on software, hardware and solutions. JourneyEd competes with SHI, CDWG and PCMG. There goal is provide services to CFISD. JourneyEd want to be a stakeholder in future projects with CFISD.





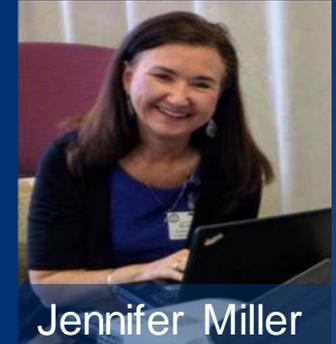
CFISD at Harris County Department of Education Event: *Cybersecurity in Education*



Derly Buentello, along with other CFISD Technology staff members, James Costello, Kimberly Osborn, Eric Pina and Jennifer Miller, attended a session at the Cybersecurity in Education event hosted by Harris County Department of Education (HCDE) on March 27, 2018.



Derly Buentello



Jennifer Miller

Cybersecurity is a top concern for Cypress-Fairbanks ISD Technology Services as school districts are becoming frequent targets for cyber attacks. In a fast moving, hyper-connected world, defending against cyber attacks and protecting data privacy is a permanent responsibility for everyone in our organization.



Eric Pena



Kimberly Osborn

We joined experts in the field of cybersecurity for a day of discussion, discovery and awareness. The HCDE K12 Cybersecurity Conference featured keynotes, breakout sessions, and vendor presentations to help arm district staff with the information and strategies needed to keep information safe.



James Costello

Device Imaging and Integration

Posted by Derly Buentello, Technical Analyst

March 29, 2018



Harris County Department of Education Cybersecurity in Education Conference



James Morrison
Cyber Task Force
Houston, FBI

Mr. James Morrison, talked about cyber criminals, the threats they use, tips to protect our organization, and the financial incentives for people to commit cyber crimes.

- Planning for what could go wrong is a big part of security. Staff, teachers and students need to understand their roles in protecting the organization and Personally Identifiable Information (PII).
- Cyber criminals (Actors) can be International state sponsored enterprises, Domestic criminal enterprises, hacktivists, and Internal inside threats.
- Threats include phishing, spear-phishing, whaling, vishing, SMSing, ransomware, DDOS and exploit kits.

Schools are targeted because of the value of their data to cyber criminals.

Defenses and Best Practice:

- Secure Backups and test recovery
- Scrutinize source of emails, links contained in emails and do not open attachments included in unsolicited emails
- Use complicated passwords on EVERYTHING
- Employ least privilege principles
- Remove unnecessary services and accounts
- Create simple mechanisms to report all types of incidents
- Reduce vulnerability by reducing users, software, and communications between systems
- Multi-factor Authentication when possible
- Everyone needs to know their roles during an incident
- Create a cybersecurity risk profile

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Posted by Derly Buentello, Technical Analyst

March 29, 2018



Harris County Department of Education Cybersecurity in Education Conference



Mary Dickerson
IT Security/CIO
U of Houston

Ms. Mary Dickerson's presentation focused on data privacy and protection. School districts handle lots of protected data governed by strict compliance regulations. Thus, the impact of a data breach can be significant. There can be financial loss, criminal prosecution and loss of reputation. She states that cybersecurity is not just about technology, but about people, processes and technology.

It is important to know what protected data you have, the compliance requirements, business owners, standardize storage locations and to protect. Document incident response procedures and empower your employees.

Protected Data Handled by School Districts

Protected by Law

- Social security number
- Date of birth
- Health records (HIPAA/HITECH)
- Student records (FERPA)
- Financial information (GLBA)

Protected by Contract

- Credit Card data (PCI-DSS)
- Data subject to non-disclosure agreements

Password and other
Authenticating Information



Harris County Department of Education Cybersecurity in Education Conference



Kevin D. Lewis Sr.
IMS Global Learning
Consortium, PM

Mr. Kevin Lewis, addressed student data privacy, safety and security for applications used in schools along with their user agreement and privacy policy. He presented several resources to help make sure applications using Personally Identifiable Information (PII) are vetted and meet obligations set by Family Educational Rights and Privacy Act (FERPA), the Protection of Pupil Rights Amendment (PPRA) and Children's Online Privacy Protection (COPPA).

IMS Global Learning developed a rubric to help districts with vetting applications. They are currently working on automating this vetting process by using machine language.

Key Points:

- Understand what data the application provider collects, uses, and discloses, and how the data is protected.
- Review the agreements that outline the responsibilities between the application provider and the school district.
- Communicate the results to teachers, students and parents.



Harris County Department of Education Cybersecurity in Education Conference



Christopher Kar
Information Security
Advisor
Fort Bend ISD

Mr. Christopher Kar, shared information on why school districts need an Information Security Advisor and security controls. He states that Information Security in education presents many challenges from the threat landscape of external actors trying to steal staff and student Personally Identifiable Information (PII), internal actors trying to change their grades, well intended school administrators unintentionally exposing sensitive information, and having to navigate Federal and State laws, manage content filters, consent, training, contracts, audits and more. Mr. Kar encourages an collaborative relationship with all school districts and is willing to share his processes, workflows, agreements and documentation with any school district.

Security Controls

- Inventory and control of hardware assets
- Inventory and control of software assets
- Maintenance, monitoring and analysis
- Boundary defense
- Data protection and recovery
- Security awareness and training
- Penetration test and audits
- Secure configurations for mobile devices, laptops and servers

- Controlled use of administrative privileges
- Vulnerability assessment and remediation
- Email and web browser protections
- Malware defenses
- Wireless access control
- Incident response and management
- Application software security

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