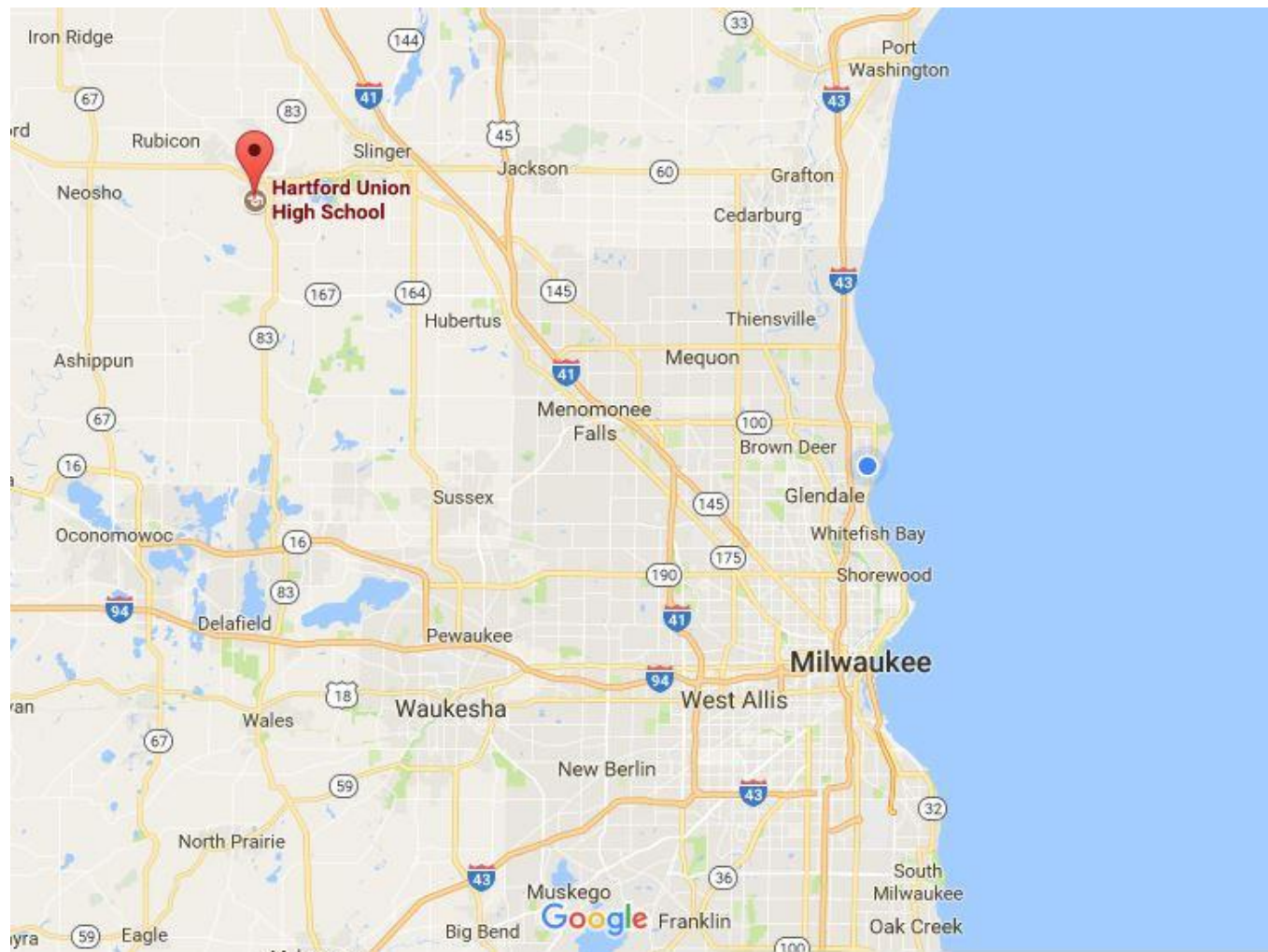


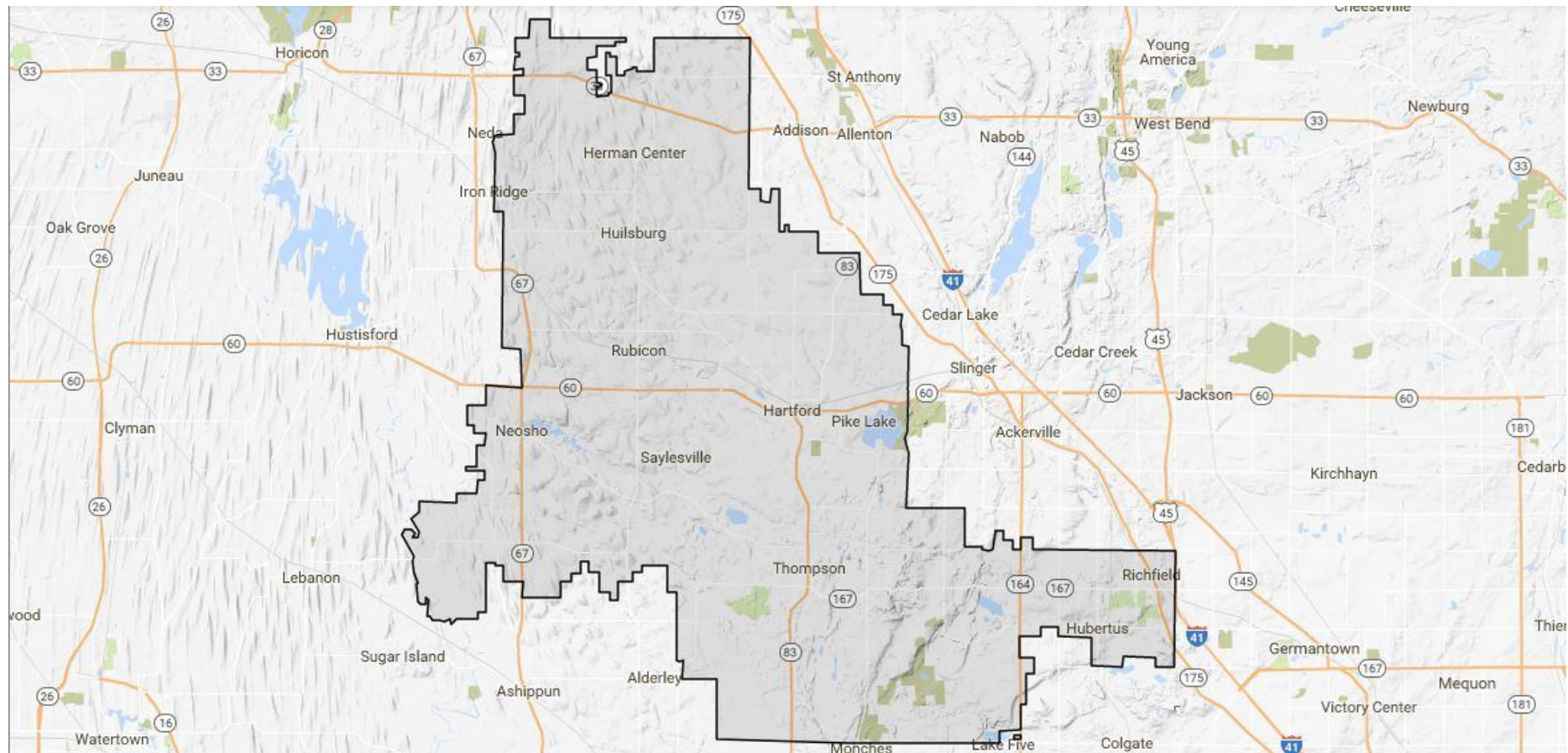
What was your cyber security ah-ha moment?

Cybersecurity

Hartford Union High School

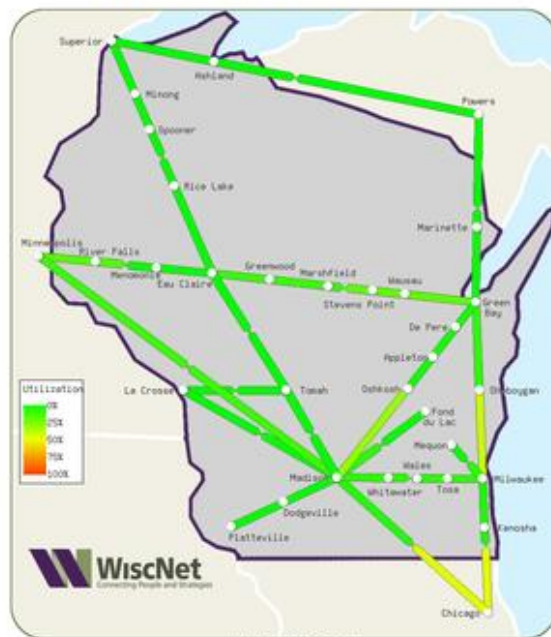








WiscNet Network



Updated: Feb 12, 2013 11:00 AM

WiscNet Members

Abbotsford School District
Albany School District
Alma School District
Almond-Bancroft School District
Altona Area School District
Alverno College
Antigo Unified School District
Appleton Area School District
Arrowhead Library System
Ashwaubenon School District
Athens School District
Auburndale School District
Augusta School District
Aurora University
Bangor School District
Baraboo School District
Barneveld School District
Barron Area School District
Bayfield School District
Beecher-Dunbar-Rembert School District
Belleville School District
Belin College Inc.
Belmont Community School District
Beloit College
Beloit School District
Beloit Turner School District
Benton School District

Big Foot UHS School District
Big Ten Academic Alliance
Birchwood School District
Black Hawk School District
Blackhawk Technical College
BloodCenter of Wisconsin
Bonduel School District
Boscobel Area School District
Bowler School District
Boyceville Community School District
Briggs Library System
Brighton #1 School District
Brillion School District
Bristol School District
Brown County
Burlington Area School District
Butternut School District
Cadott Community School District
Calumet County
Cambria-Friesland School District
Cambridge School District
Cameron School District
Campbellsport School District
Carril University
Carthage College
Cassville School District
Catholic Memorial High School
CESA 1
CESA 2
CESA 3
CESA 4
CESA 5
CESA 6

Menasha Joint School District
Menominee Indian School District
Menominee Nation, College of the
Menomonie Area School District
Mequon-Thiensville School District
Mercer School District/Merrill Area School District
Merton Community School District
Messner Catholic
Middleton-Cross Plains Area School District
Mid-State Technical College
Mid-Wisconsin Federated Library System
Milton School District
Milwaukee Area Technical College
Milwaukee Art Museum
Milwaukee County Federated Library System
Milwaukee Institute of Art and Design
Milwaukee Public Museum
Mineral Point Unified School District
Minocqua J1 School District
Mishicot School District
Mondovi School District
Monona Grove School District
Monroe School District
Monticello School District
Moraine Park Technical College
MOREnet
Mosinee School District

Mukwonago School District
Muskego-Norway School District
Neenah Area School District
Neenah Joint School District
Neillsville School District
New Glarus School District
New London School District
Niagara School District
Nicoles Area Technical College
Nicoles Federated Library System
Nicolet UHS School District
North Fond du Lac School District
North Lakeland School District
Northcentral Technical College
Northeast Wisconsin Technical College
Northern Ozaukee School District
Northern Waters Library Service
Norland College
Northland International University
Northland Pines School District
Northwood School District
Norwalk-Ontario-Wilton School District
Oconto Falls Public School District
Oconto Unified School District
Omro School District
Oregon School District
Osceola School District
Oshkosh Area School District
Osseo-Fairchild School District
Our Lady, Queen of Peace School
Outagamie-Waupaca Library System
Owen-Wishee School District
Pabst Theater Organization

CESA 7
CESA 8
CESA 9
CESA 10
CESA 11
CESA 12
Chequamegon School District
Chetek-Weyerhaeuser School District
Chilton School District
Chippewa County
Chippewa Falls Area Unified School District
Chippewa Valley Technical College
City of Appleton
City of Beloit
City of Brookfield
City of Eau Claire
City of Fond du Lac
City of Green Bay
City of Greenfield
City of La Crosse
City of Madison
City of Marshfield
City of Menasha
City of Menasha : Menasha Utilities
City of Milwaukee
City of Neenah
City of Oshkosh
City of Plattville
City of Sheboygan
City of Sturgeon Bay
City of Superior
City of Waukesha
City of Wauwatosa

City of Plattville
City of Sheboygan
City of Sturgeon Bay
City of Superior
City of Waukesha
City of Wauwatosa
Clear Lake School District
Clinton Community School District
Cochrane-Pauman City School District
Calby School District
Coleman School District
Colfax School District
Community Care of Central Wisconsin
Concordia University
Cornell School District
Crandon School District
Crittitz School District
Cuba City School District
Cudahy School District
D C Everest Area School District
Dane County
Derlington Community School District
De Forest Area School District
De Pere School District
Deerfield Community School District
DeLavan-Darien School District
Denmark School District
Dodgeville School District
Dodgeville School District
Door County
Dove HealthCare

Palmyra-Eagle Area School District
Pardeeville Area School District
Paris J1 School District
Parkview School District
Pecatonica Area School District
Pepin Area School District
Peshigo School District
PESI
Pewaukee School District
Phelps School District
Phillips School District
Pier Wisconsin
Pittsville School District
Platteville School District
Plum City School District
Plymouth Joint School District
Port Edwards School District
Port Washington-Saukville School District
Portage Community School District
Portage County
Poynette School District
Prairie du Chien Area School District
Prairie Farm Public School District
Prentice School District
Prescott School District
Princeton School District
Pulaski Community School District
Racine Lutheran High School
Racine Unified School District
Randall J1 School District
Raymond #14 School District
Reedsburg School District
Reedsville School District

Racine Lutheran High School
Racine Unified School District
Randall J1 School District
Raymond #14 School District
Reedsburg School District
Reedsville School District
Rhinelander School District
Rio Lake School District
Rice Lake Area School District
Rhinfield J1 School District
Richmond School District
Rice Community School District
Ripon Area School District
Ripon College
River Falls School District
River Ridge School District
River Valley School District
Riverside School District
Rock County
Rosemeade-Brandon School District
Rosholt School District
Royal Credit Union
Royal School District
Rural Wisconsin Health Cooperative Information
Technology Network : Sacred Heart Hospital
Rural Wisconsin Health Cooperative Information
Technology Network : Southwest Health Center
Rural Wisconsin Health Cooperative Information
Technology Network : St. Joseph's Hospital
Sacred Heart of Jesus and Mary School
Sacred Heart Seminary and School of Theology
Saint Croix Central School District

Eau Claire Area School District
Eau Claire Catholic Schools
Eau Claire County
Edgar School District
Edgerton School District
Edgewood High School
Educators Credit Union
Elcho School District
Elk Mound Area School District
Elkhart Lake-Glenbeulah School District
Elkhorn Area School District
Ellsworth Community School District
Elmbrook School District
Elmwood School District
Erin School District
Fall Creek School District
Flambeau School District
Florence County School District
Fond du Lac County
Fond du Lac School District
Fontana J8 School District
Forest County
Fort Atkinson School District
Fox Point J2 School District
Fox Valley Lutheran HS
Fox Valley Technical College
Frederic School District
Freedom Area School District
Geneva J4 School District
Genoa City J2 School District
Germantown School District
Gillett School District
Gilman School District
Gilmanton School District

Goodman-Armstrong Creek School District
Grafton School District
Granton Area School District
Grantsburg School District
Great Plains Network
Green Bay Area Public School District
Green Lake County
Green Lake School District
Greendale School District
Greenfield School District
Greenwood School District
Grisham School District
Hamilton School District
Hartford J1 School District
Hartford UHS School District
Hartland-Lakeside J8 School District
Hayward Community School District
Herman-Neesho-Rubicon School District
Highland School District
Holmen School District
Holy Apostles School
Horicon School District
Hortonsville Area School District
Housing Authority of the City of Milwaukee
Howards Grove School District
Howard-Summit School District
Hurley School District
Hustisford School District
Illinois State University
Independence First
Indianhead Federated Library System
Iola-Scandia School District
Iowa State University

Sauk Prairie School District
School District of Ladysmith
Sevastopol School District
Sharon J11 School District
Shawano School District
Sheboygan Area School District
Sheboygan County
Sheboygan Falls School District
Shell Lake School District
Shiocton School District
Shoreland Lutheran High School
Shullsburg School District
Silver Lake College
Siren School District
Slinger School District
Solon Springs School District
South Central Library System
Southern Door County School District
Southwest Library System
Southwest Wisconsin Technical College
Southwestern Wisconsin School District
Spencer School District
Spooner Area School District
Spoonerville Health System
Spring Valley School District
St. Catharines High School
St. Francis Xavier Catholic School Systems
St. Mary Catholic Schools
St. Mary's Springs Academy
St. Norbert College
St. Thomas Aquinas Parish School
St. Vincent Hospital
Stanley-Boyd Area School District
State of Wisconsin

Stevens Point Area Public School District
Stone Bank School District
Stoughton Area School District
Storrsford School District
Sturgeon Bay School District
Sun Prairie Area School District
Suring Public School District
Swallow School District
SWTCH - Southeastern Wisc Info Tech Exchange
Thorp School District
Tigerton School District
Tomahawk School District
Tomorrow River School District
Tower of Grand Chute
Turtle Lake School District
Twin Lakes #4 School District
Two Rivers Public School District
Union Grove J1 School District
Union Grove UHS School District
Unity Point Health - Meriter Hospital, Inc.
University of Minnesota
UW Platteville Real Estate Foundation
Verona Area School District
Victory Christian Academy
Village of Albion
Village of Ashwaubenon
Village of Fox Crossing
Village of Howard
Village of Little Chute
Viterbo University
Wabeno Area School District
Walworth J1 School District
Walworth County

Iowa-Grant School District
Ithaca School District
Jackson County
Jefferson County
Jefferson School District
Kaukauna Area School District
Kenosha County
Kenosha County Public Library System
Kenosha Unified School District
Kettle Moraine Lutheran High School
Kettle Moraine School District
Kewaunee School District
Kiel Area School District
Kimberly Area School District
Kohler School District
La Crosse School District
Lac Courte Oreilles Ojibwa Community College
Lac du Flambeau #1 School District
Lake Country School District
Lake Holcombe School District
Lake Mills Area School District
Lakeland UHS School District
Lakeland University
Lakeshore Technical College
Lakeshores Library System
Laona School District
Lawrence University
Lena School District
Linn J4 School District
Linn J6 School District
Little Chute Area School District
Lodi School District
Lomira School District

Washburn School District
Washington School District
Waterford Graded J1 School District
Waterford UHS School District
Waterloo School District
Watertown Unified School District
Waukesha County
Waukesha County Technical College
Waukesha School District
Waunakee Community School District
Waupaca County
Waupaca School District
Waupun School District
Wausau City-County Information Technology
Commission : City of Wausau
Wausau City-County Information Technology
Commission : Marathon County
Wausau City-County Information Technology
Commission : North Central Health Care
Wausau School District
Wausaukee School District
Wautoma Area School District
Wauzeka-Steuken School District
Webster School District
West Allis-West Milwaukee School District
West De Pere School District
West Salem School District
Western Technical College
Westfield School District
Weyauwega-Fremont School District
White Lake School District
Whitefish Bay Dominican High School
Whitefish Bay School District

Lodi School District
Lomira School District
Loyal School District
Luther High School
Luxemburg-Casco School District
Madison Area Technical College
Madison Metropolitan School District
Manawa School District
Manitowoc Public Utilities
Manitowoc School District
Maple Dale-Indian Hill School District
Maple School District
Marathon City School District
Marathon County Special Education
Marian University of Fond du Lac
Marion School District
Markesan School District
Marquette University
Marquette University High School
Marshall School District
Marshfield Unified School District
Mayville School District
McDonnell Area Catholic School District
McFarland School District
Medford Area Public School District
Medical College of Wisconsin
Mellen School District

Whitefish Bay Dominican High School
Whitefish Bay School District
Whitewater Unified School District
Whitnall School District
Winding Rivers Library System
Winnebago County
Winnebago Lutheran Academy
Winneconne Community School District
Winnefox Library System
Winter School District
Wisconsin Army National Guard-Wisconsin Military Academy
Wisconsin Center for the Blind and Visually Impaired
Wisconsin Dells School District
Wisconsin Department of Military Affairs
Wisconsin Department of Transportation
Wisconsin Economic Development Corporation
Wisconsin Heights School District
Wisconsin Indianhead Technical College
Wisconsin Lutheran College
Wisconsin Lutheran High School
Wisconsin School for the Deaf
Wisconsin Technical College System
Wisconsin Valley Library Service
Wonewoc-Union Center School District
Woodruff J1 School District
Wrightstown Community School District

Notable Members

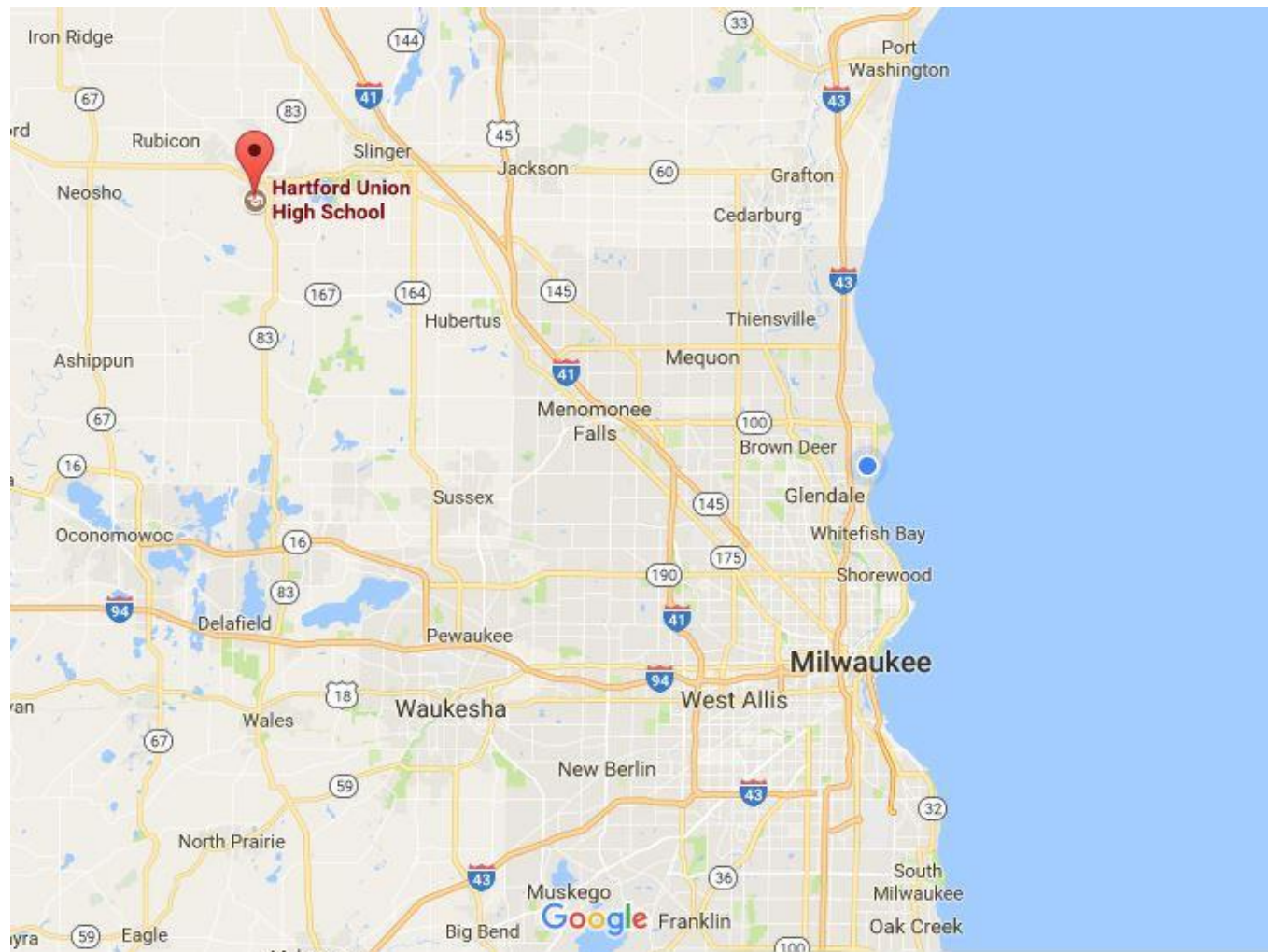
State of Wisconsin

City of Madison

Marquette University

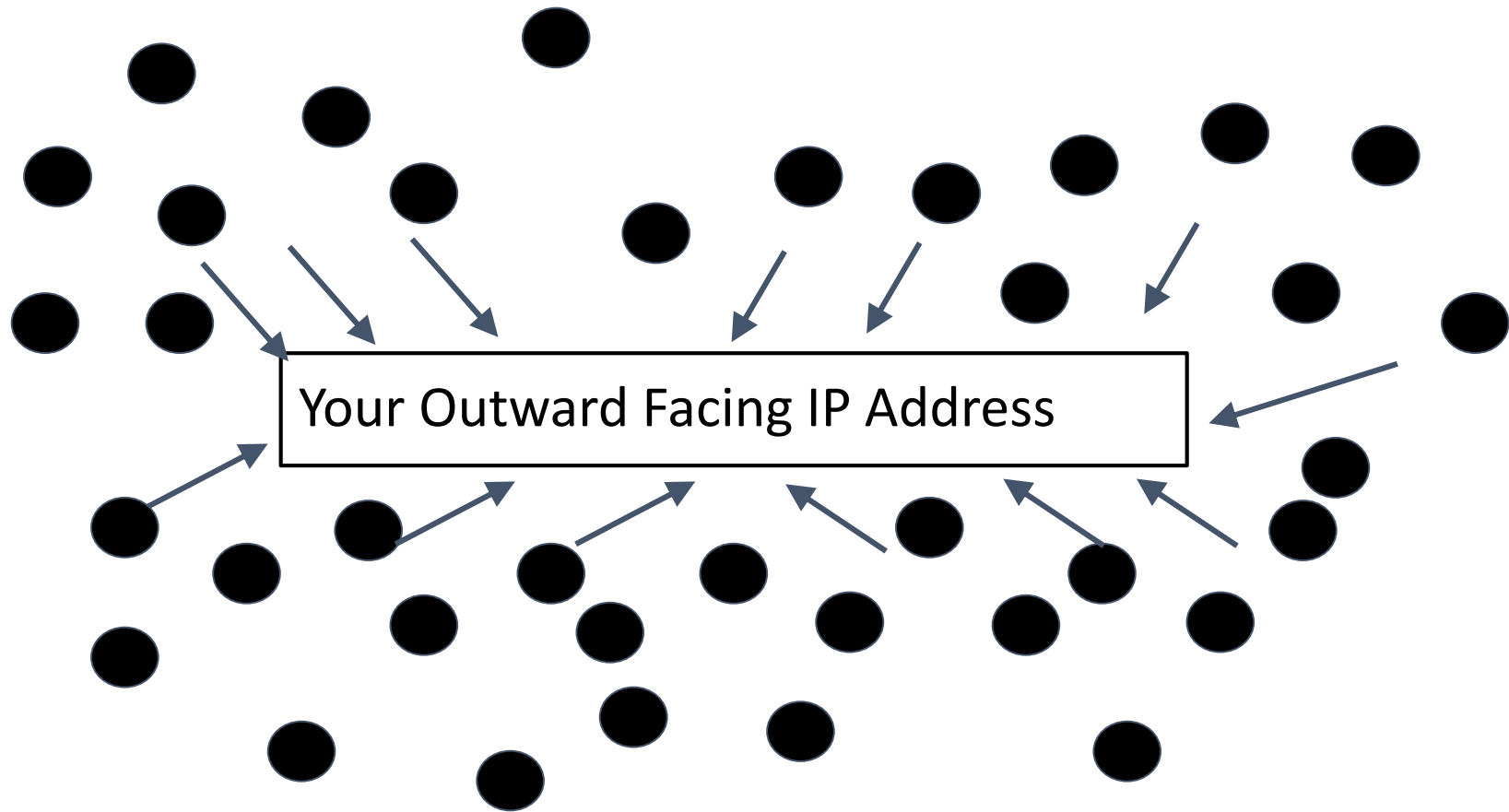
Medical College of Wisconsin

1



DDoS Attacks Don't
Discriminate

DDoS?



Cost to them...

Our Pricing

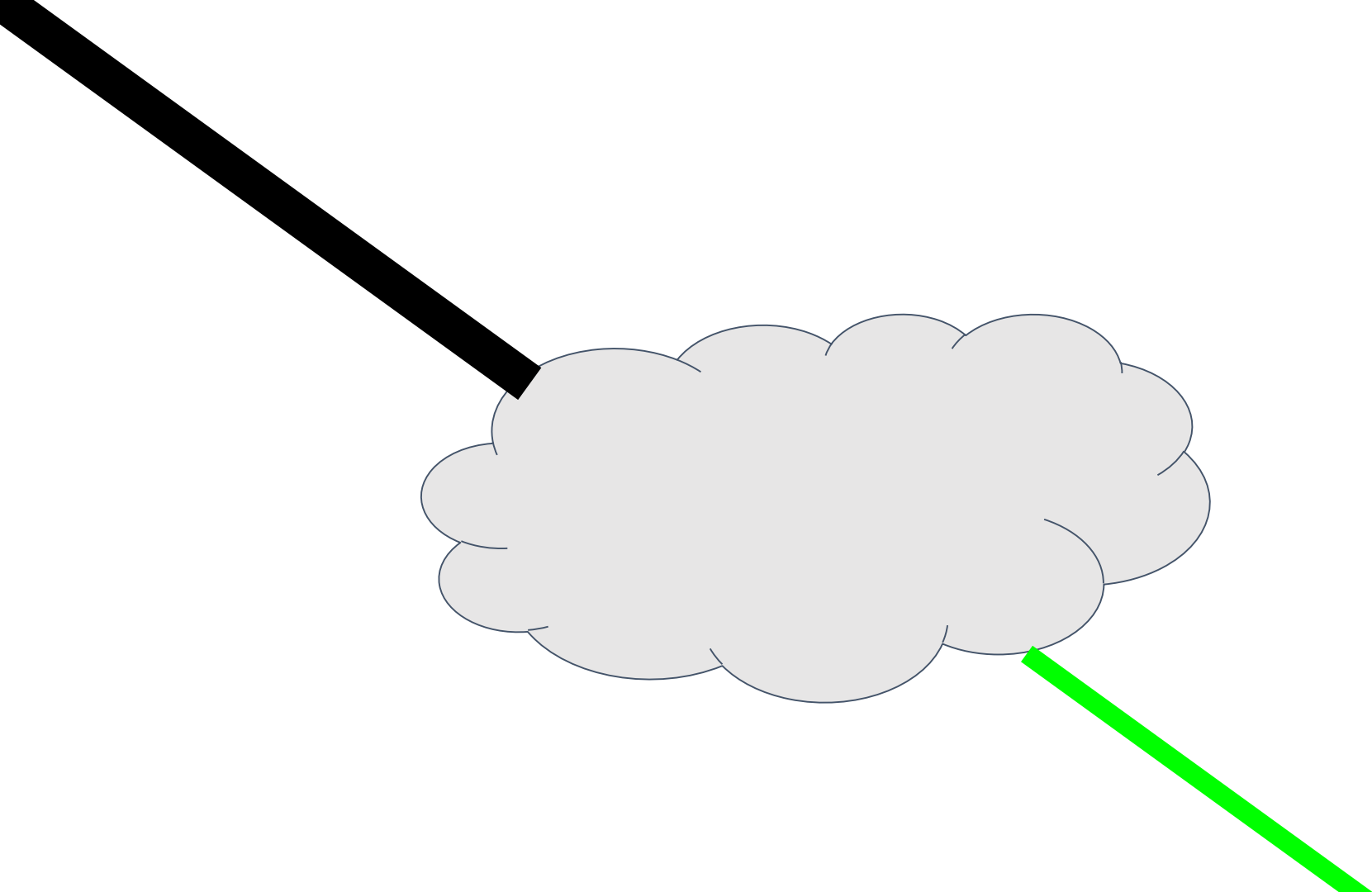
1 Month Basic	Bronze Lifetime	Gold Lifetime	Green Lifetime	Business Lifetime
5.00€ /month	22.00€ Lifetime	50.00€ Lifetime	60.00€ Lifetime	90.00€ lifetime
1 Concurrent +	1 Concurrent +	1 Concurrent +	1 Concurrent +	1 Concurrent +
300 seconds boot time	600 seconds boot time	1200 seconds boot time	1800 seconds boot time	3600 seconds boot time
125Gbps total network capacity	125Gbps total network capacity	125Gbps total network capacity	125Gbps total network capacity	125Gbps total network capacity
Resolvers & Tools	Resolvers & Tools	Resolvers & Tools	Resolvers & Tools	Resolvers & Tools
24/7 Dedicated Support	24/7 Dedicated Support	24/7 Dedicated Support	24/7 Dedicated Support	24/7 Dedicated Support
Order Now	Order Now	Order Now	Order Now	Order Now

Cost to you?

Magic Box?



Cloud-Scrubbing



Thousands a month

Start talking to your ISPs about bundled services. eRate can be part of the solution...

SHARE



SHARE
13950



TWEET



COMMENT



EMAIL

LILY HAY NEWMAN SECURITY 03.01.18 11:01 AM

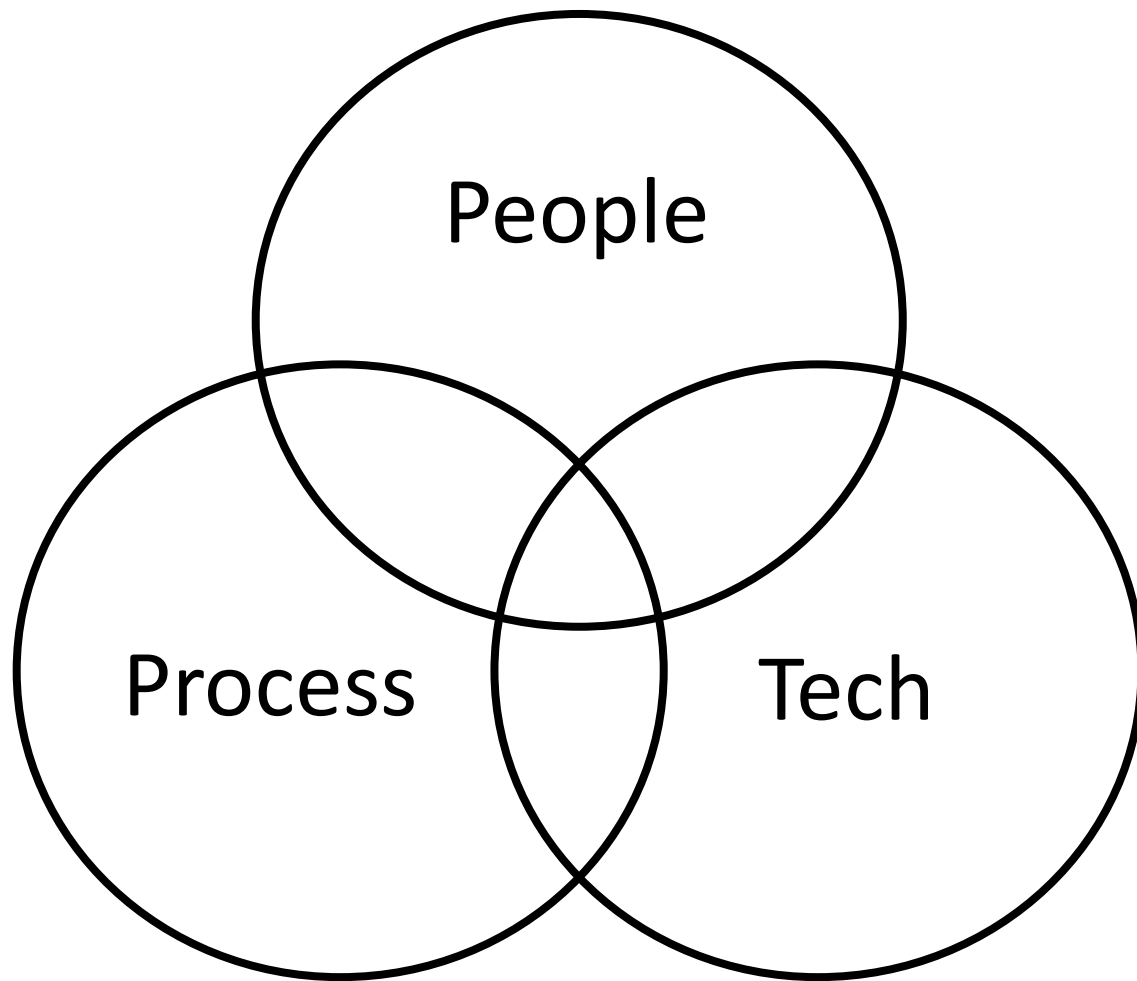
GITHUB SURVIVED THE BIGGEST DDOS ATTACK EVER RECORDED

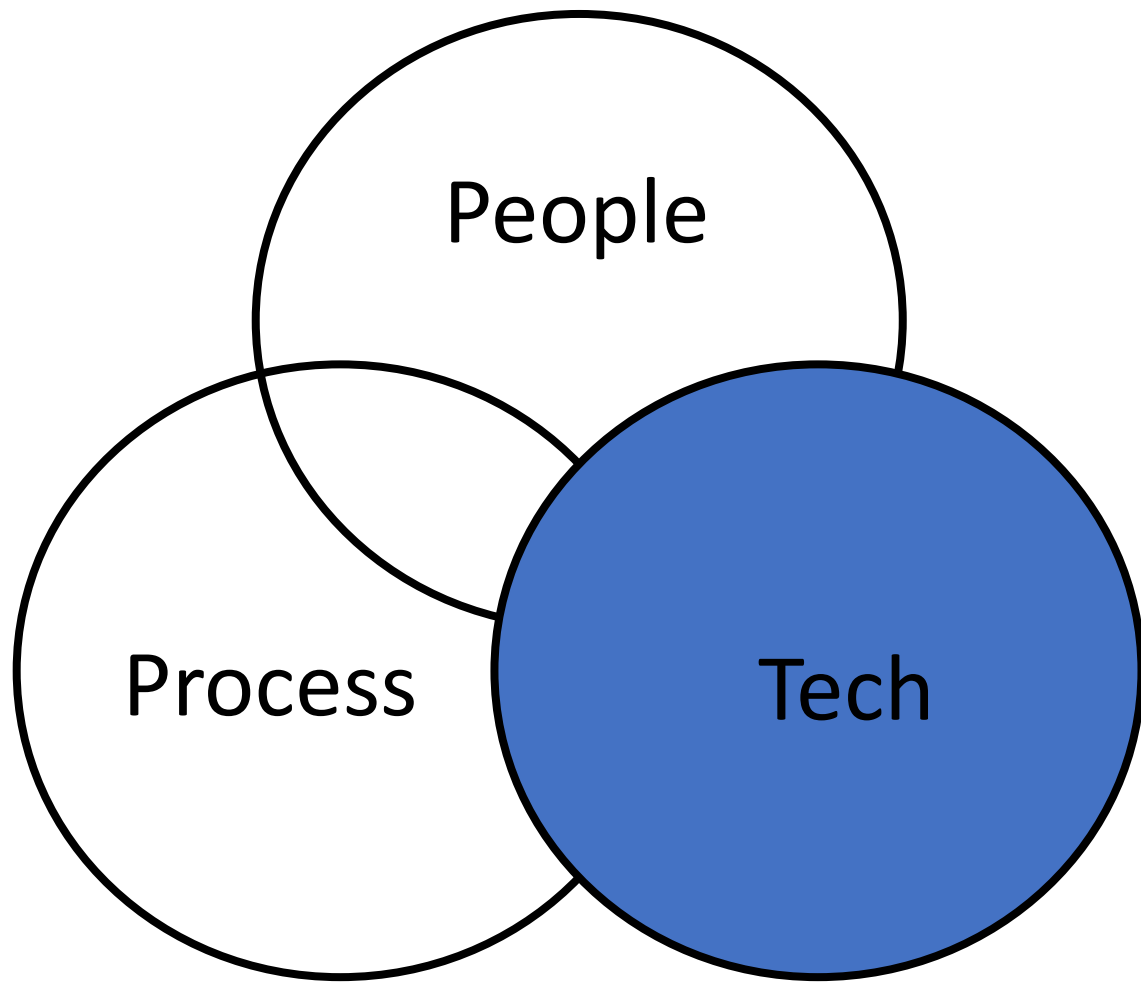


How did we stop it????

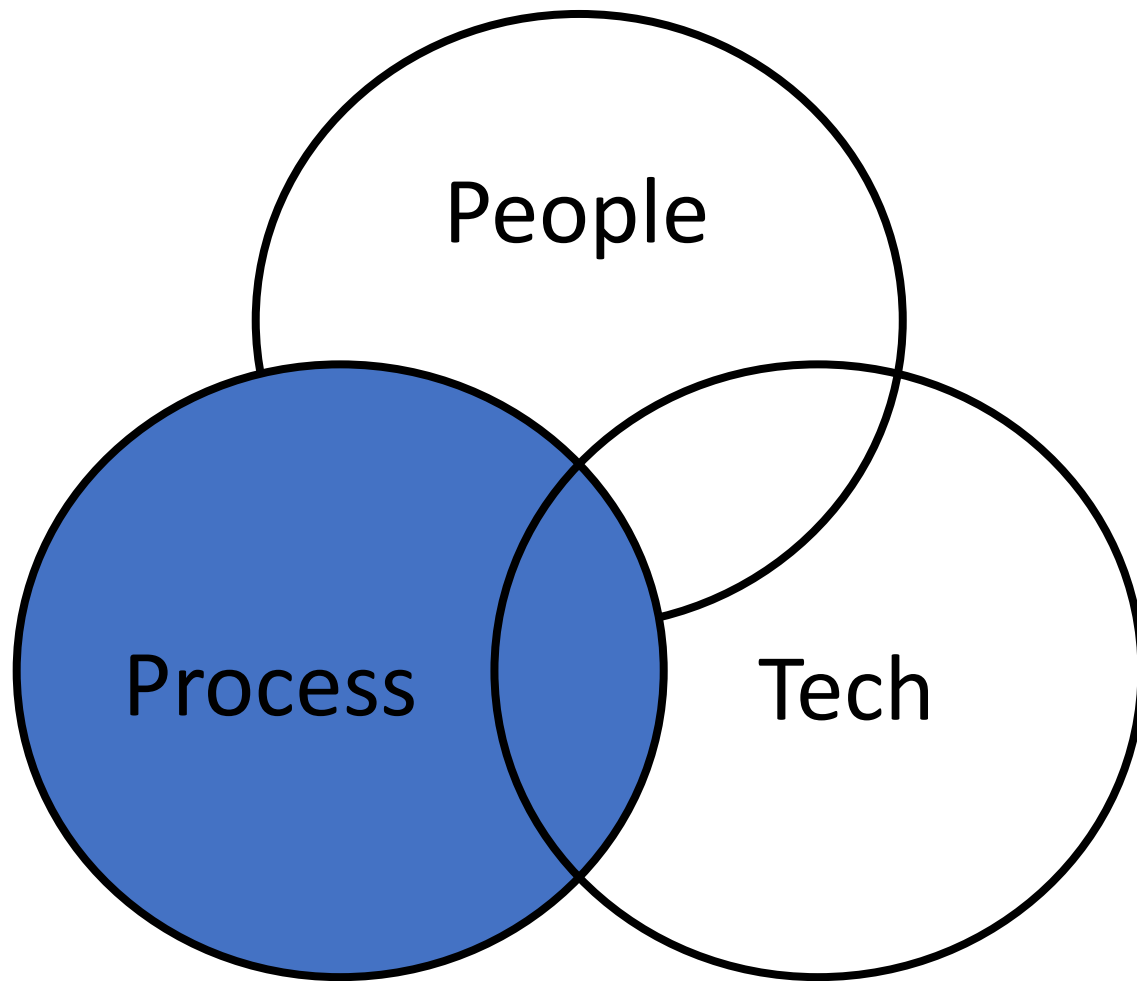


Fear and getting over it...





Stuff with \$0 cost....but people's
time



Killer Apps

Communication and Relationships

Tips

Create good passwords

Avoiding Phishing Schemes

Run updates

Lock your computer screen

OZAUKEE/WASHINGTON NEWS

Washington County loses \$87,760 in email scam

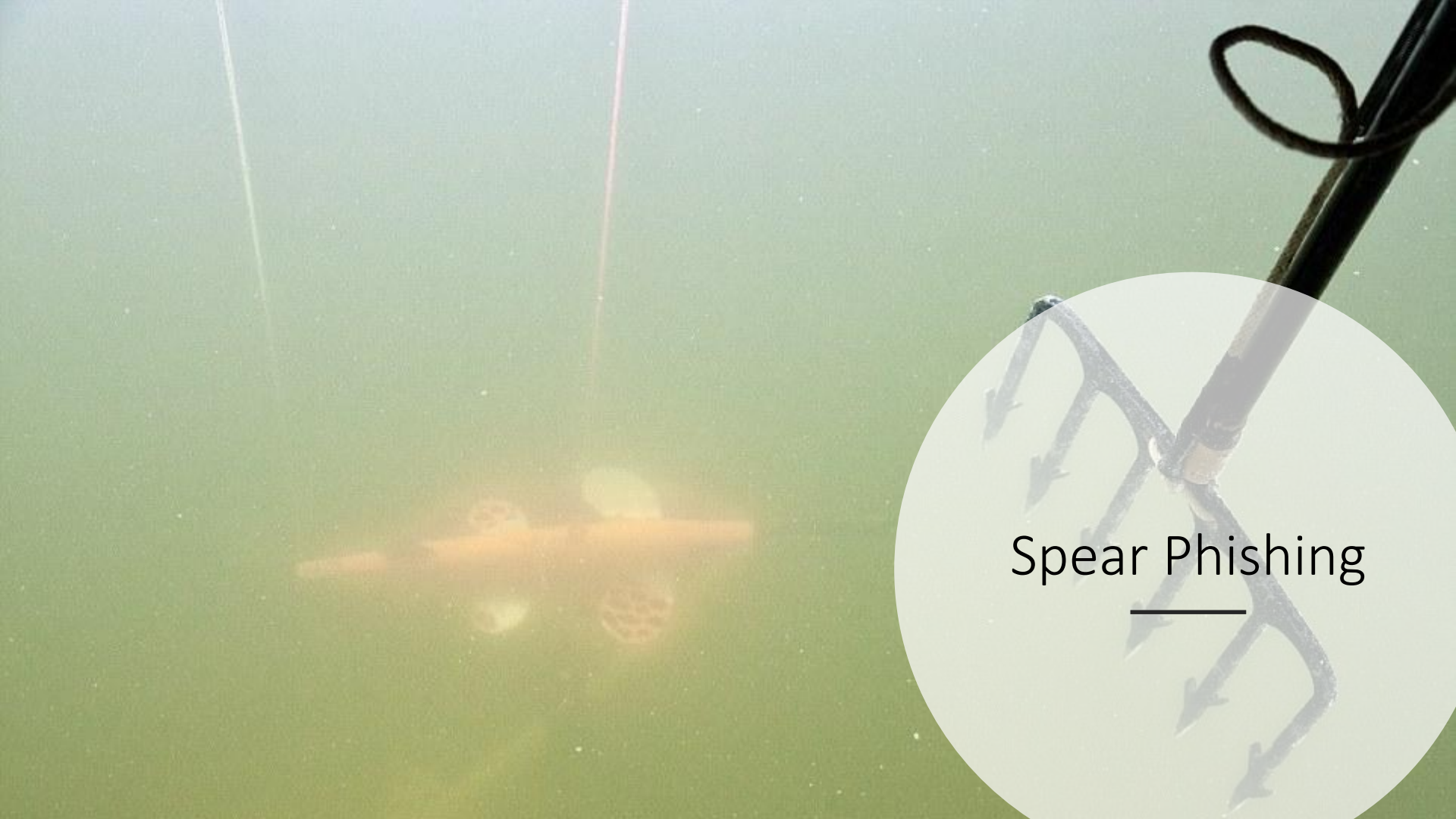
By Hannah Schwarz of the Journal Sentinel

New

Washington County wire transferred \$87,760 to criminal bank accounts as a result of an email phishing scam, county officials disclosed Friday.

The Washington County Sheriff's Office is investigating the scam, the department said.





The background image is an underwater photograph showing a diver in the distance, illuminated by a bright light source, possibly a flashlight or the sun filtering through the water. The water is a murky greenish-brown. In the foreground, a black spearfishing shaft with a coiled line is visible. A semi-transparent white circle is overlaid on the right side of the image, containing the text 'Spear Phishing' and a horizontal line below it.

Spear Phishing

From: Bank of America <crvdgi@comcast.net>

Subject: Notification Irregular Activity

Date: September 23, 2014 3:44:42 PM PDT

To: Undisclosed recipients: ;

Reply-To: crvdgi@comcast.net

Bank of America



Online Banking Alert

Would be capitalized

Dear member:

We detected unusual activity on your Bank of America debit card on **09/22/2014**.

For your protection, please verify this activity so you can continue making debit card transactions without interruption.

Please sign in to your account **at** <https://www.bankofamerica.com>

to review and verify your account activity. After verifying your debit card transactions we will take the necessary steps to protect your account from fraud.

If you do not contact us, certain limitations may be placed on your debit card.

<http://bit.do/ghsdfhgdsd>

Grammatical Error

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Free Training



Nathan Mielke <mielkedata@gmail.com>

to nathan.mielke 

Hello

Click hear to enter your info to get free training

<http://bit.ly/2kvUGpE>



Nathan Mielke
Hartford Union High School
Technology Services
[262.670.3236](tel:262.670.3236)

Help Please



Monica Glorioso <monica.glorioso.hartford@gmail.com>
to Lisa.Fendt ▾

Hello staff,

Sign for helping below

<http://bit.ly/2mNfjft>

-Monic



National Institute of Standards and Technology (NIST)

The organization suggests keeping passwords simple, long and memorable.

Create good passwords

Avoid Dictionary Words

Password-cracking tools that are widely available online usually try different combinations from dictionary lists.

Create good passwords

Try Personal Sentences

Think of a sentence that has personal meaning to you, then add in numbers and special characters. Try to add in uncommon symbols, such as > < ? ! - _ [] #.

Long, simple passwords

Create good passwords

Test your password out at - <http://www.passwordmeter.com>

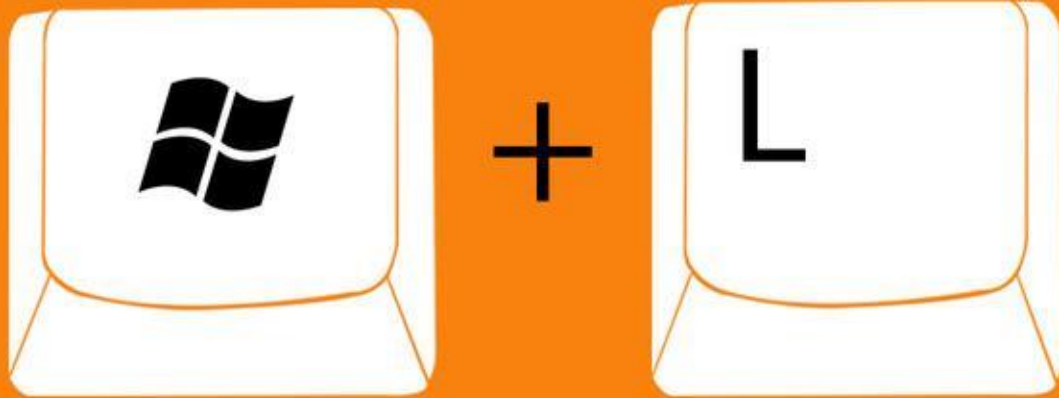
Avoid Phishing Schemes

Take a quiz at - <https://www.sonicwall.com/phishing/>

Run Updates

Restart your computer

Lock your computer screen



LOCKS THE COMPUTER

Asset Management



Creating a Cyber Secure Home

1 SECURING YOURSELF

Cyber attackers have learned that the easiest way to get something is to simply ask for it. As such, common sense is your best defense. If a message or phone call seems odd, suspicious or too good to be true, it may be an attack. Here are some examples:

Phishing emails are emails designed to fool you into opening an infected attachment or clicking on a malicious link. These emails can be very convincing; they may appear to come from a friend or organization you know. Sometimes cyber attackers even use details from your social media accounts to craft customized phishing attacks.

Someone calls you pretending to be Microsoft tech support. They claim that your computer is infected, when they are really just cyber criminals that want access to your computer or want you to buy their fake anti-virus software.

2 SECURING YOUR HOME NETWORK

"As technology becomes more important in our personal lives, so does securing it. Here are some fundamental steps you should always take to help protect yourself and your family."

Lori Rosenberg - eBay

TO LEARN MORE, SUBSCRIBE TO OUR MONTHLY
SECURITY AWARENESS NEWSLETTER

www.securingthehuman.org/enk

4 SECURING YOUR ACCOUNTS / PASSWORDS

You most likely have a tremendous number of accounts online and on your devices and computers. Here are some key steps to protecting them:

Always use long passwords that are hard to guess. Use passphrases when possible. These are passwords that have multiple words, such as "Where Is My Coffee?"

Use a different password for each of your accounts and devices. Can't remember all of your strong passwords? We recommend you use a password manager to securely store them. This is a computer program that securely stores all of your passwords in an encrypted vault.

Use two-step verification whenever possible. Two-step verification is when you need a password and something else to log in to your account, such as a code sent to your smartphone.

On social media sites, post only what you want the public to see. Assume



What do you have?

What does it do?

Who is responsible for it?



Who you gonna call?

Cloud Security

On prem best practices = off site best practices

Benchmarks – NIST & CIS

Configuration

NITS and CIS

Cyber Hygiene

Keep your computer and your digital self clean

Keeping Clean

1. Keep an inventory of hardware and software on the district network.
2. Develop a process for IT approved software installation by end users. That could include limiting installation of trusted software or prohibiting and blocking all installation without prior approval from IT.
(make it easy for the users without allowing the wild west, it's a balancing act)
3. Educate users on practicing good cyber behavior, including password management, identifying potential phishing efforts, and which devices to connect to the network.
4. Identify vulnerable applications that aren't in use and disable them.
5. Consistently back up data and keep multiple copies. Consider using a secure cloud solution as well as on premise.

Randomware...backups, backups
backups

Keeping Clean

The Big Five

1. Least Privilege
2. Segmentation
3. Encryption
4. Multi-Factor Authentication
5. Patching

Be an Active Partner

To achieve the goal of a safe and secure learning environment we need **everyone's help** and participation.

Keeping systems up to date and practicing **good cyber hygiene** can prevent lots of issues.

No matter your role Cyber Security affects you and **you are part of the cyber security workforce.**

Why it matters to **YOU**

On average it take **640 hours** to restore your identity if you're the victim of identity crime.

YOU are the target, criminals want what you have.

Being cyber safe helps protect those **you care about**.

A child is **51% more likely** to be the victim of an identity crime then their parents

A child is 51% more likely to be a victim of identity theft

Student records – up to \$200 on
the dark web

81% of events exploit identity

Johnston School District

Des Moines Register
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BREAKING NEWS Sera Alexander pleads guilty to involuntary manslaughter in stepfather's death Read Story

FREE CHECKING IS JUST THE BEGINNING GET IT TODAY tcf bank
No monthly fee for active accounts with online statements. Other fees may apply. Member FDIC

'Dark Overlord' hackers posted stolen student info, Johnston officials say

Linh Ta and Jason Clayworth, Des Moines Register Published 1:06 p.m. CT Oct. 5, 2017 | Updated 6:59 p.m. CT Oct. 5, 2017



Johnston Police: No credible threats found, investigation continues

0:17 1:29

Dennis McDaniel with the Johnston Police Department provides updates after anonymous, threatening text messages forced the closure of Johnston schools. Zach Boyden-Holmes/The Register

Keep Iowa an energy leader!


And keep your energy bill down!

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A project of the Legacy Foundation Action Fund.


Share your feedback to help improve our site experience!

Johnston School District

 **thedarkoverlord**
@tdo_hackers

We're now publicly claiming responsibility for the threats that resulted in the closure of JCSD in Iowa and 7.200 children without school.

6:19 AM - Oct 4, 2017

♡ 17  See thedarkoverlord's other Tweets

 **thedarkoverlord**
@tdo_hackers

With the student directory from JCSD we released, any child predator can now easily acquire new targets and even plan based on grade level.

8:36 AM - Oct 5, 2017

♡ 3  See thedarkoverlord's other Tweets

 **thedarkoverlord**
@tdo_hackers

We're now publicly claiming responsibility for the vivacious assault on Splendora Independent School District.

6:18 AM - Oct 4, 2017

♡ 1  See thedarkoverlord's other Tweets

Johnston School District



Fear and Getting Over It

Living through a cyber security event or data breach can be a very scary thing.

Having the right level of concern is paramount, you should be concerned but not be gripped by fear.

Some of the things you can do to get a clearer picture of the cybersecurity risks you are facing:
Breach response team / plan.

Perform a risk assessment so you can best decide how to address the risks discovered way to address risk are
(Avoid, Mitigate, Transfer, Accept).

All of these pieces should help you get over your fear...it's going to happen,
but you have put pieces in place and have a plan.

You need another set of eyes...

Need vs Want

You need a trusted partner

- What local staff does...
- What vendors do...

This is going to cost some \$\$\$\$

Google™ Apps **Audit**

Hartford Union High School District

Detailed Findings:

Medium Priority:

☐ BIOS Unlocked

One of our biggest security concerns was with the accessibility of the Boot Order option in the BIOS. While the configuration settings in the BIOS were password protected, other options, like Boot Order, were unlocked. As we discussed during the walkthrough, there have been a few students that have loaded Linux onto these school issued laptops. While most of these students are probably harmless, it only takes one to start poking around to cause trouble. Exploiting this vulnerability was how we were able to conduct the rest of our audit.

☐ Moodle not being the latest version

Another security concern we had was the version of Moodle. While Moodle is relatively up to date, it was not the latest version possible at the time we did our audit. This normally would not be a major concern, but this case is different. Through a popular online database of exploits, we found an SQL injection attack that affected the running version of Moodle (exploit-db.com/exploits/41828/). While this attack is relatively complicated, the information, and the value of that information, held at schools makes this a medium vulnerability.

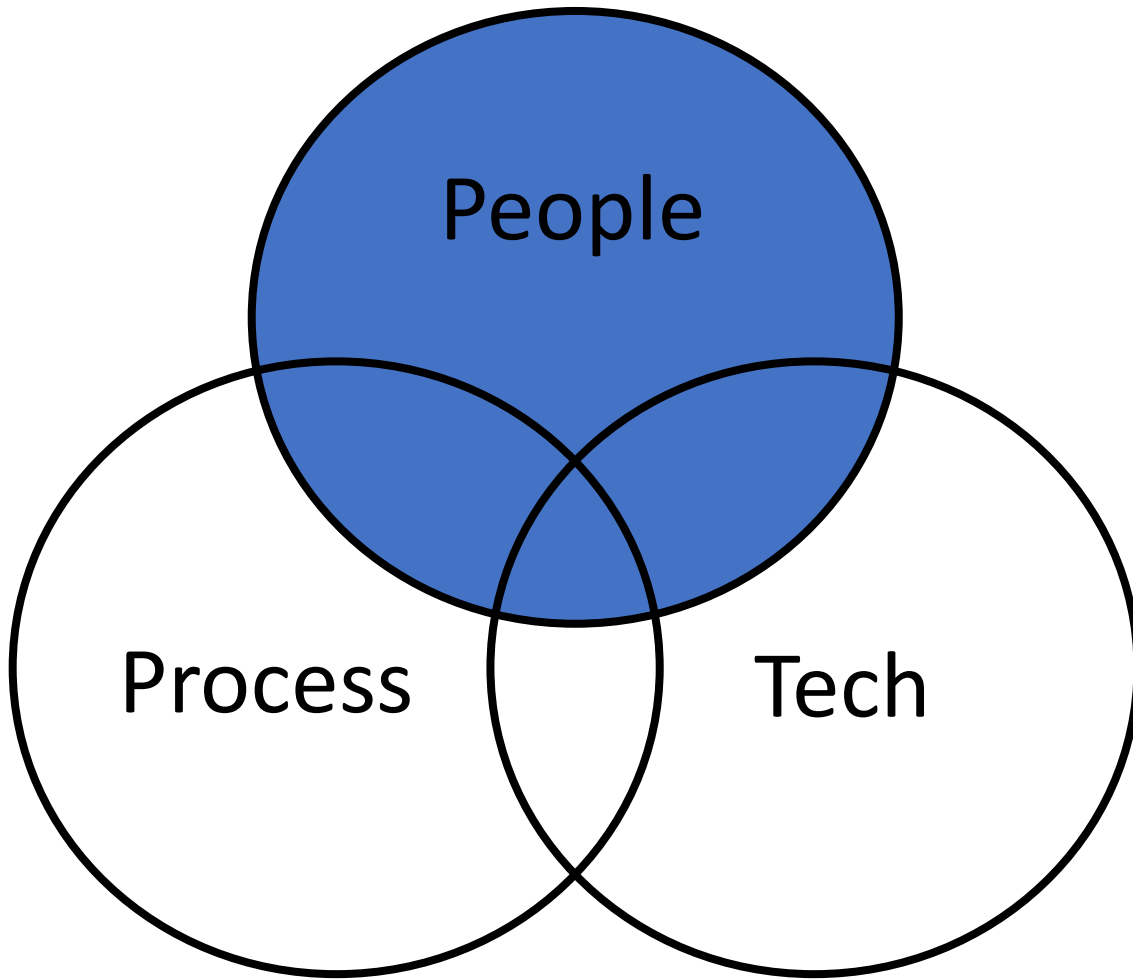
Low Priority

☐ Physical server room security

The biggest physical security concern we saw was the lack of security cameras around server rooms. While there were security cameras in the hallways, we ideally would have cameras in the server room. This would keep a record of who went into each room at what time and what they did. Having this information would be helpful to mitigate an internal attack.

Cyber insurance

Who/what is your best defense?





**SECURITY
AWARENESS**

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Resources 



Trust matters. Expertise matters. Humans matter.

Create a comprehensive cyber security awareness training program with ease. Promote awareness and foster change.

LEARN MORE

Training for your technology staff

Nathan Mielke

Holy Hill Area Schools and Hartford Union High School

@ndmielke

ndmielke@gmail.com