NATIONAL CYBERSECURITY ALLIANCE

Ft. Collins Cybersecurity Summit

September 25, 2019

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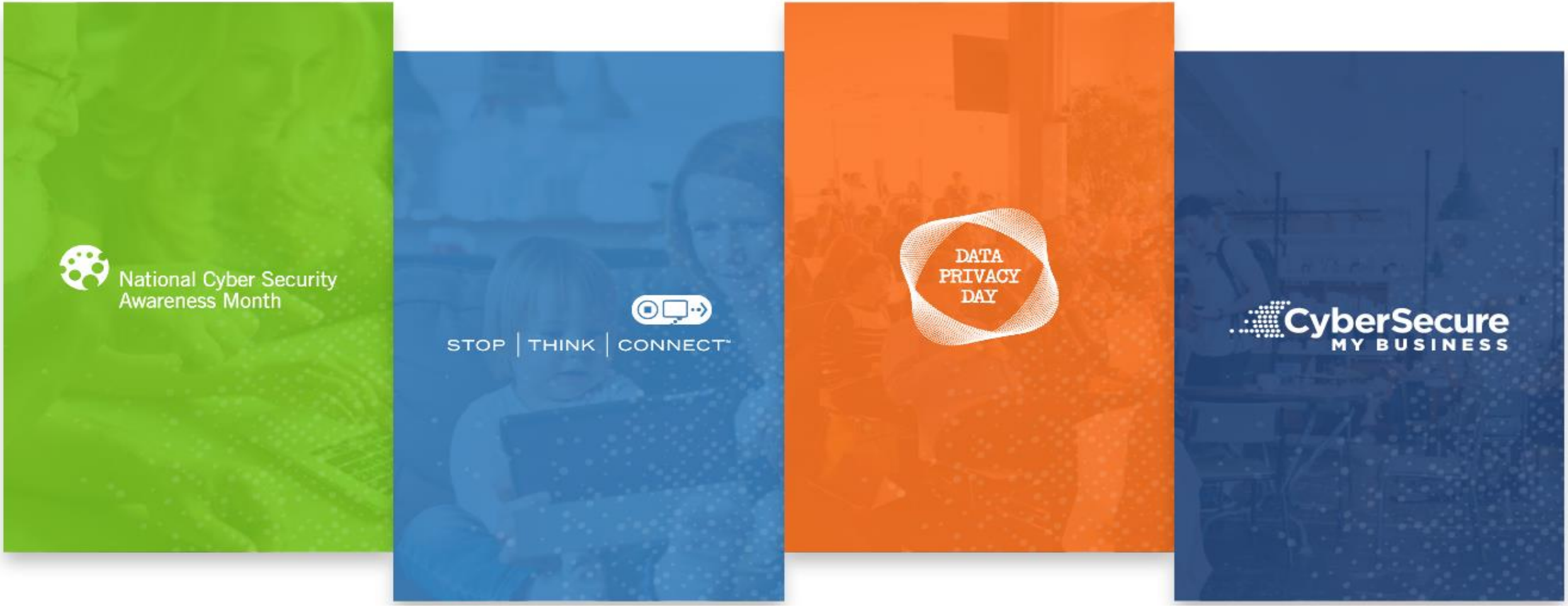
Be a Part of Something Big

Get involved and promote a safer, more secure internet.



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1. HALLOWEEN

2. PUMPKIN SPICE LATTES

3. NATIONAL CYBERSECURITY AWARENESS MONTH

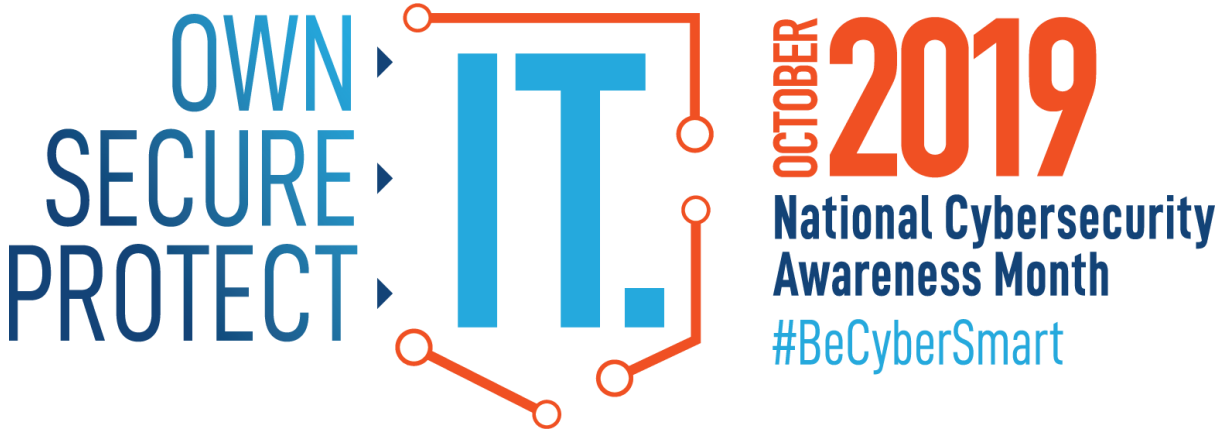
OWN · SECURE · PROTECT · IT.

OCTOBER 2019

National Cybersecurity Awareness Month

#BeCyberSmart

STAYSAFEONLINE.ORG/NCSAM



How to Get Involved

- **Become a NCSAM Champion (starting early Aug)** – sign up, take action and make a difference in online safety and security. It's free and simple to register.

- **Post on social media using #CyberAware and #BeCyberSmart**

- **Promote NCSAM** and link to staysafeonline.org/ncsam on your company website

- **Submit** your events to NCSA's community calendar by emailing info@staysafeonline.org

For more information: https://staysafeonline.org/ncsam/

CyberSecure™
MY BUSINESS
PLAN. PROTECT. RESPOND.

Will your IT and C-Suite answer these questions in the same way?

- As the organization integrates and deploys new technologies to meet objectives and become more efficient, how do we evaluate the associated risks?
- How are we creating a more cyber vigilant culture within the entire organization?
- How are we tightening up on on-boarding and off-boarding processes to better secure our information? Are we including executives and directors in this?
- How are we building in structures to evaluate and monitor suppliers and "suppliers of suppliers"—the "chain of trust"
- Do we have insights into employee's actions across our networks?
- How is the overall cyber security of my organization?

Creating a culture of cybersecurity begins at the top

Where do we begin, then?

- **C-Suite should take ownership** of the organization's digital resilience & create a top-down approach to address and manage its cyber security risks.

- **Those in cyber security need to be bilingual**. Translate tech into the language of risk so that they can effectively communicate new and existing concerns to the C-Suite.

How do you define cybersecurity?

Cybersecurity

"Enabling people and businesses to do more online with trust and confidence."

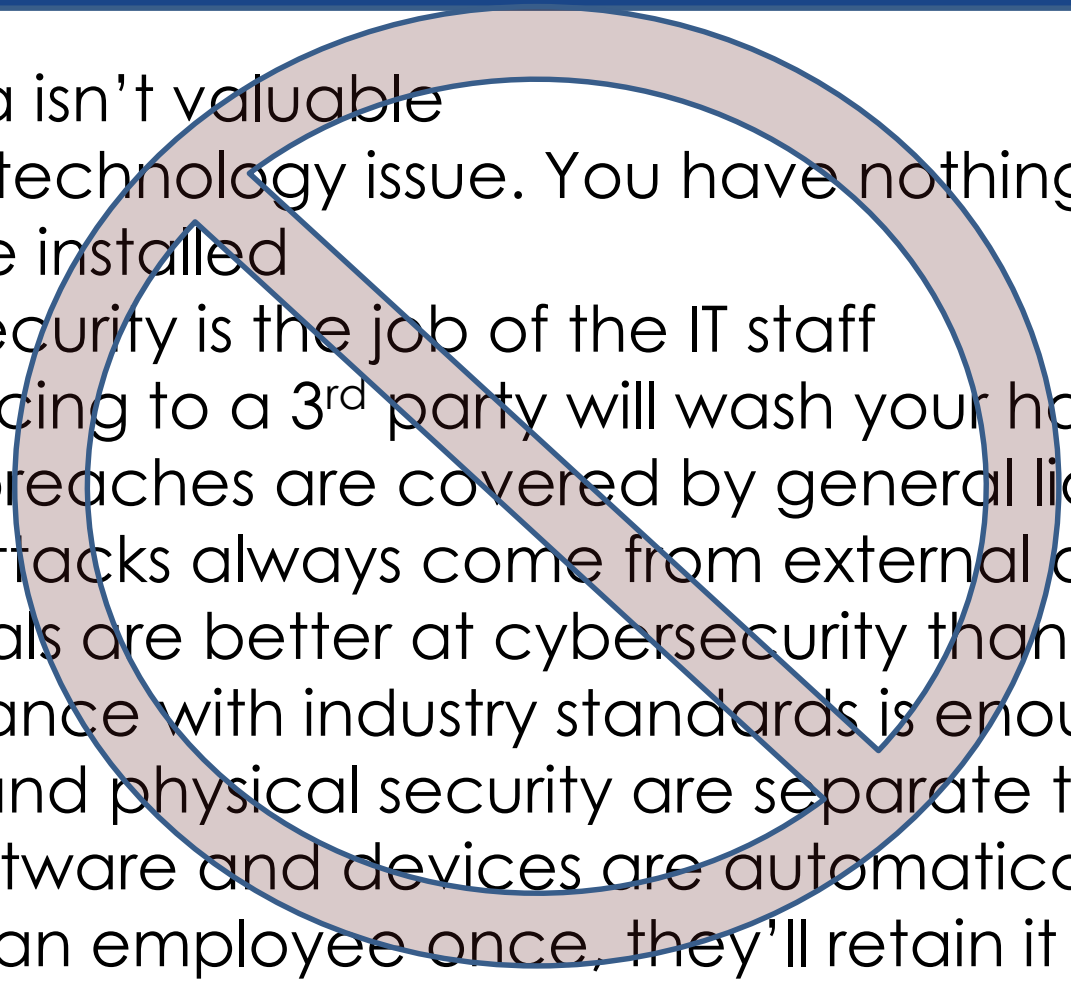
NCSA

"Making it easier for employees to do the right thing, and harder for them to do the wrong thing."

Brian Krebs, Krebs on Security

People Process Technology

Breaking Down Misconceptions



- My data isn't valuable
- This is a technology issue. You have nothing to worry about if you have antivirus software installed
- Cybersecurity is the job of the IT staff
- Outsourcing to a 3rd party will wash your hands of security liability
- Cyber breaches are covered by general liability insurance
- Cyberattacks always come from external actors
- Millennials are better at cybersecurity than others
- Compliance with industry standards is enough for a security program
- Digital and physical security are separate things altogether
- New software and devices are automatically secure when I buy them
- If I train an employee once, they'll retain it forever

Goal of 5-Step Approach is Resilience

1. Identify

assets you need to protect

2. Protect

assets and limit impact

3. Detect

security problems

4. Respond

to an incident

5. Recover

from an incident

Create the Plan with Cross-Functional Team

Identify	Protect	Detect	Respond	Recover
CRM Contains Name, SS#, DOB, payment card information Address, etc.	2FA/Passphrases	**Ransomware/ malware notifications**	**Follow plan**	**Document lessons learned**
HR records	**Train staff often & w/onboarding**	Remote monitoring and management notification	**Connect with IT and legal leadership**	Improve policies & procedures
Physical devices (computers, phones, servers, etc.)	Data Backup	**Customer feedback loop**	Connect with local law enforcement	**Train/retrain employees**
Point of Sale Assets	**Create & enforce policies & procedures**	Suspicious behavior by customers or employees	**Know the laws**	Take steps to repair reputation (PR firm?)
Intellectual property	Physical Device storage and access	**Sluggish network**		
	Cyber ins.	Loss of access		
	Access Controls/Limit Access			

What are the threats?

Threats vary by industry, but there's one constant: Criminals want your credentials

>90% of cyberattacks begin with an email

Q: How many of you have been trained on secure email practices PRIOR to receiving access to email?

*Q: How many of you include email training in your **onboarding** procedures?*

QUICK WINS

- **Update the software on all of your devices.**
- Mobile devices: **Activate "find device" and "remote wipe."** Turn off discovery mode.
- New Account: Who Dis? **Immediately configure privacy settings** on all new and existing accounts. Remove unnecessary info from profile
- Do not connect to **unknown, generic or suspicious Wi-Fi** networks.
- Social Media: **Take care with what you share**.
- **Restrict access** based upon job responsibilities, not title or convenience
- Create policies for **BYOD & remote use**

Additional Resources

- **National Cyber Security Alliance:** www.Staysafeonline.org
- **CISA's #BeCyberSmart website:** https://www.dhs.gov/be-cyber-smart/campaign
- **NIST Small Business Cybersecurity Corner:** https://www.nist.gov/itl/smallbusinesscyber
- **DHS Roadmap for SMB:** https://www.us-cert.gov/ccubedvp/smb
- **FTC's small business resources:** www.ftc.gov/smb
- **CIS Controls for SME:** https://www.cisecurity.org/white-papers/cis-controls-sme-guide/

https://phishingquiz.withgoogle.com/

Can you spot when you're being phished?

Identifying phishing can be harder than you think. Phishing is an attempt to trick you into giving up your personal information by pretending to be someone you know. Can you tell what's fake?

TAKE THE QUIZ

What's Your Next Step?

- Share at least one lesson learned today
- Create a culture of cyber awareness
- Get a cross-functional team together
- Establish and communicate clear cyber-related policies and procedures

"It's this new app—you put in your social security number, and it makes you look like a cat."

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