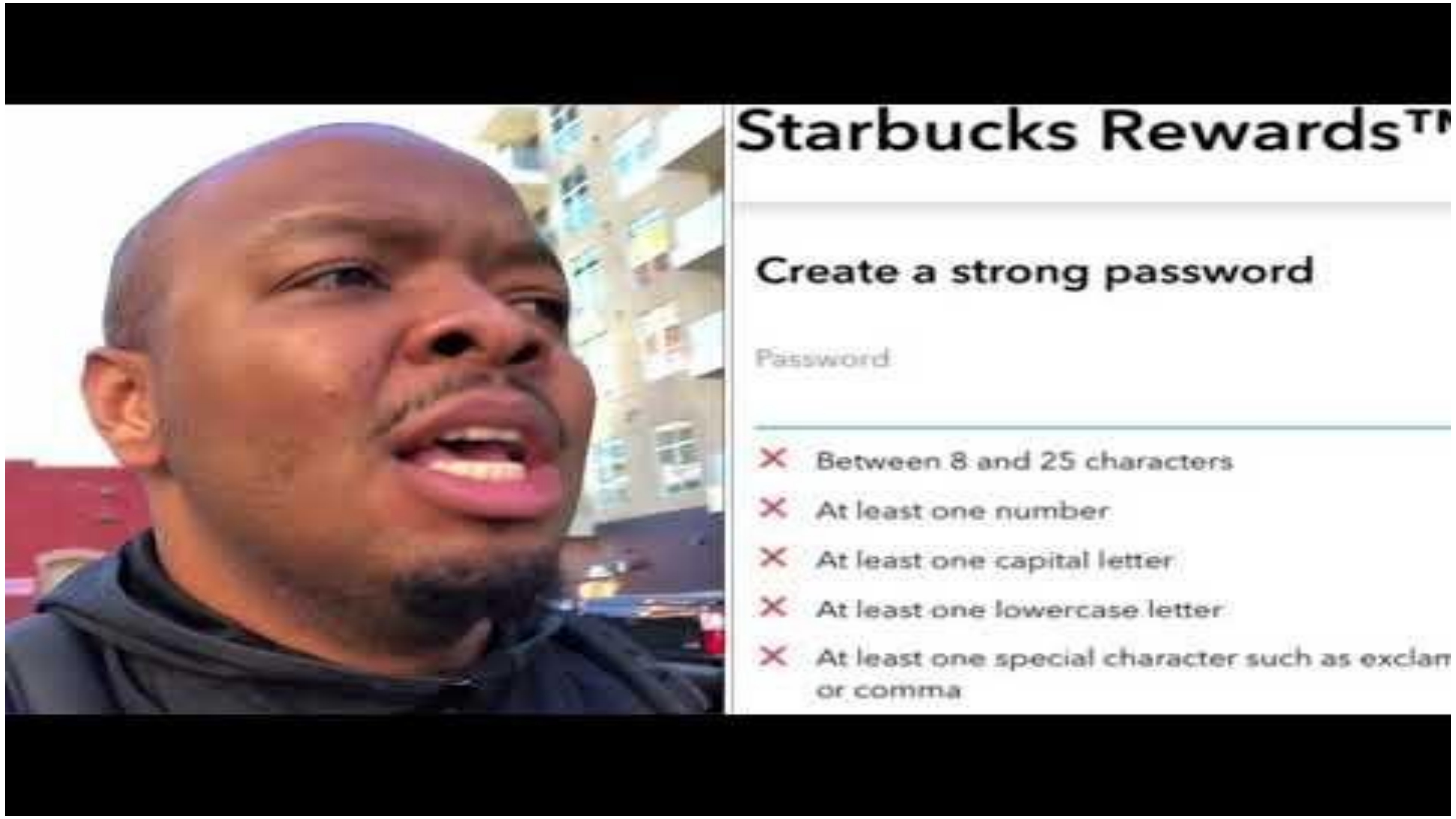
North Carolina Cybersecurity Awareness Month (NCSAM)

Maria S. Thompson
State Chief Risk Officer

NC
DIT

WHY CYBERSECURITY AWARENESS IS CRITICAL



Starbucks Rewards™

Create a strong password

Password

- ✗ Between 8 and 25 characters
- ✗ At least one number
- ✗ At least one capital letter
- ✗ At least one lowercase letter
- ✗ At least one special character such as exclan or comma

https://www.youtube.com/watch?v=Ru0y5rCETqc&feature=youtu.be

AGENDA

- 0900 – 09:45 Opening remarks – Maria Thompson, State Risk Officer
- 09:45 – 10:45 Cyber Threats & Vulnerabilities - Chris Hallenbeck, Regional CISO - Tanium
- 10:45 – 11:00 [BREAK]
- 11:00 – 12:00 Cybersecurity & You - Jim Boyles – IBM Cybersecurity Architect
- 12:00 – 01:15 [LUNCH]
- 01:15 – 02:15 Insider Threat Mitigation Best Practices - Jeremy Manning – Secureworks Counter Threat Unit
- 02:15 –02:50 Statewide Cyber Incident/Threat Briefing – Albert Moore, DIT Threat Intel Lead
- 02:50 - 03:00 [BREAK]
- 03:00 – 03:45 Lessons Learned After Hurricane Florence - Debora Chance – DIT ESRMO Business Continuity
- 03:45 – 04:45 O365 Security Solutions & Best Practices – Ken Nuebler, DIT
- 04:45 – 05:00 CLOSING REMARKS

Current State of Cyber Threat Landscape

Today's cyber risks are increasing. Nev hno r capabilities at a trade off.
Convergence of traditional systems and I risks to be mindful of.

DATA LOSS

- Hackers Breach Web Hosting Pr Time in the Past Year
- A est of T Chi e Intelli f New Chin

$$$$$

FINANCIAL LOSS

BREACH

- Ne cts Mal
- New E Supermicro ardwa

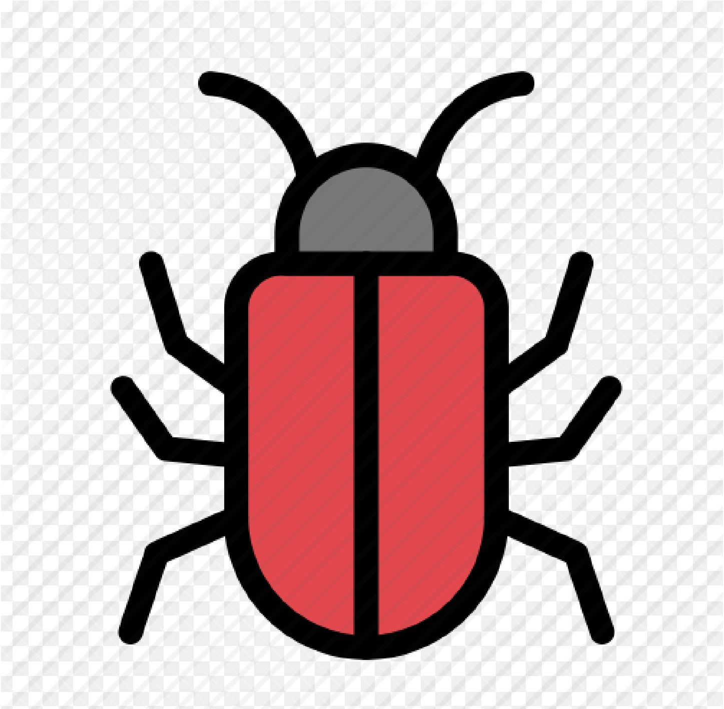
VULNERABILITIES

- GAO Audit eveals Cyber Vulnerabilities in US Weapons stem

Current State of Cyber Threat Landscape

…You are only as strong as the weakest link!

- Between 50 – 70% of incoming emails are identified as Phishing, SPAM or Virus
- The past couple of years, local counties have reported an uptick in ransomware
- There is a reported 133% increase in data breaches reported by first half of 2018 in comparison to previous year
- The use of Internet of Things increase daily…along with their associated risks
- Business owners continue to accept risks blindly…



Strategic Plans & Best Practices

Effective cybersecurity practices, governance policies and risk assessment methods. Standardized approach ensures interoperability and secure operations.

- ❑ Implemented the NIST RMF
- ❑ Continuous Monitoring – 24 X 7 X 365 cyber monitoring and incident response
- ❑ Develop, implement an test Incident Response Plans
- ❑ Conduct cyber resiliency exercises
- ❑ 918A ala Carte security convenience contract
    - ✓ Identify new and evolving risks
    - ✓ Assess and prioritize risks
    - ✓ Develop and prioritize mitigation strategies based on cost-benefit analysis and other factors
    - ✓ Evaluate the impacts of mitigation implementation

Strategic Plans & Best Practices

- ❑ Vendor Risk Management!!!!
- ❑ Cyber Education and Awareness campaign
- ❑ Continuity of Operations and Disaster Recovery
- ❑ DevSecOps – For the Developer in YOU!
- ❑ Implement Insider Threat Program
- ❑ Protection and visibility for Cloud services
- ❑ Cyber Workforce Development

Free Cybersecurity Training Resources

Federal Virtual Training Environment (FedVTE)

- ❑ Course proficiency ranges from beginner to advanced levels. Several courses align with a variety of IT certifications such as Certified Information Systems Security Professional (CISSP), CISA, CEH, Pen Testing etc.
  - ✓ https://niccs.us-cert.gov/training/fedvte

- ❑ National Initiative for Cybersecurity Careers and Studies
  - ✓ https//niccs.us-cert.gov/formal-education

Let’s Connect!

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