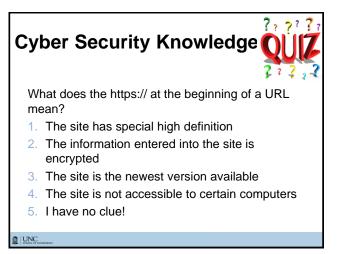


# AGENDA

- Cybersecurity Why It Matters
- Social Engineering
- Types/Strategies of Attacks
  - Ransomware/Malware
  - Phishing
  - Business Email Compromise
- What to Look For: Protect Your Data
- NC Breaches and More

\*If you get bored, go to https://haveibeenpwned.com



3

All Financial, PII, PHI (and more) Collections Must Use HTTPS://

4

**Pro Tip** 

# Cyber Security Knowledge



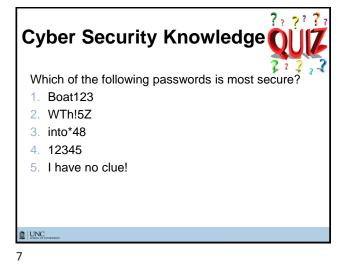
Criminals access someone's computer and encrypt the files/data. The user is unable to access the data unless they pay the criminals to decrypt the files. This is called:

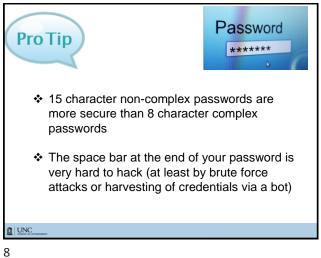
- 1. Botnet
- 2. Ransomware
- 3. Driving
- 4. Spam
- 5. I have no clue!

UNC Example of the



6









Which of these options is a form of two-factor authentication?

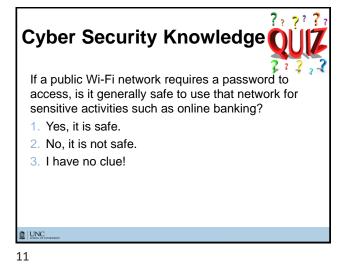
- 1. User name and password
- 2. Security image to verify you are not a robot and password
- 3. One time code sent to phone and password
- 4. Two questions: 1) Name of childhood best friend and 2) City where your parents met
- 5. I have no clue!
- 1 UNC

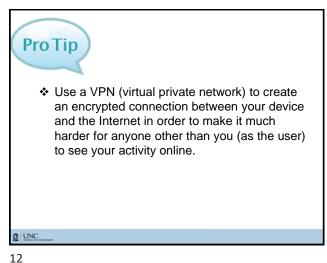


- If you leave your phone laying around with the screen unlocked or text previews available on the locked screen, you are a security problem.
- It might seem like a pain, but if you use your organization's network for anything involving personal data (like checking your bank account, logging into your doctor's portal, etc), it is worth the headache to have MFA.

#### 

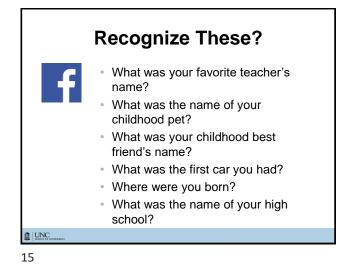
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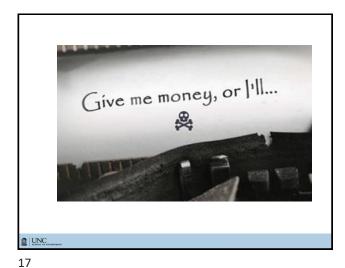






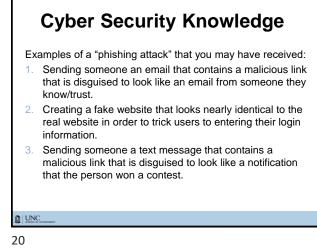


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#### Hacker 101: Build Trust

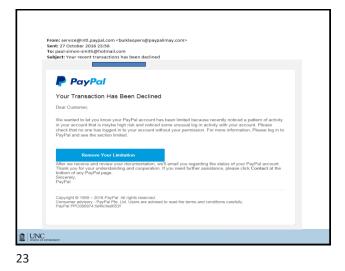


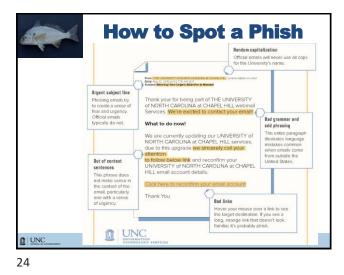
- Spear phishers personalize emails to try to gain your trust
  - Full name
  - Mailing address
  - Name of your employer
  - Personal Data (SSN, Banking Account Number, etc)

\*Even if the email or text message appears to be from someone you know, use caution.

UNC

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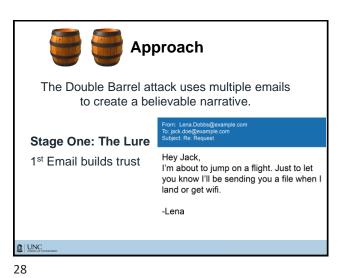






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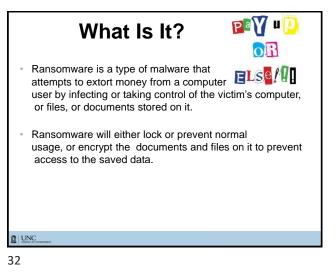


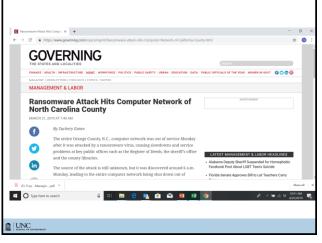










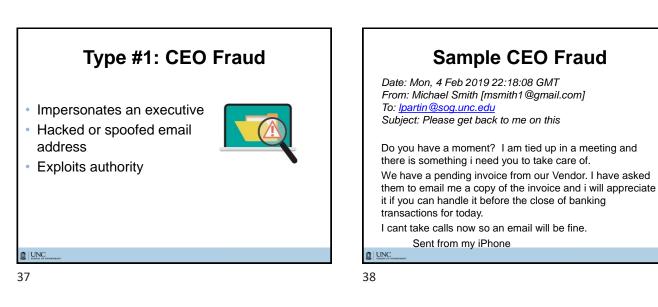


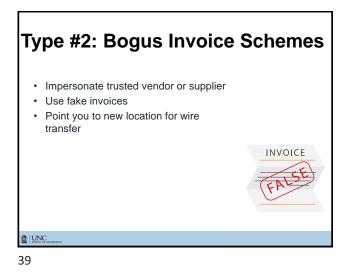


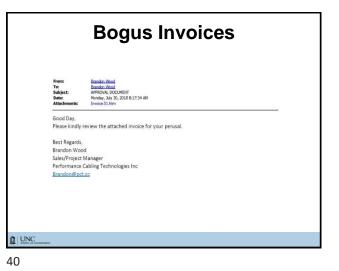
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#### App State fleeced for almost \$2 million by scam; feds get most of the money back

- In 2016, Appalachian State hired Charlotte-based Rodgers Construction to build its new health science college facility. That October, the company filed a form with the school to establish wire transfers and direct deposits.
- Two months later, a staff member in the App State's controller's office received an email purported to be from Doug McDowell, the controller for Rodgers Construction.
- The email included a new direct deposit form along with instructions that the school should reroute company payments to a bank account at JPMorgan Chase. About a week later, some \$1.96 million was sent to the new location.
- On Dec. 20, the *real* Doug McDowell contacted App State to ask why the company had not received its money.

11 UNC

### **Avoiding BEC Scams**

- Always check the sender and verify it is legitimate
- Check reply-to addresses as well
- Check links before clicking

12 42



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## House Bill 217

"§ 143B-1379. State agency cooperation and training; liaisons; county and municipal government reporting.

**Legislative Updates** 

- Updates the definition of what is reportable and adds the term and definition of "Significant
- cybersecurity incidents" ✓ Adds to the liaisons tasks to provide corrective action plans
- ✓ Includes Privacy as a requirement and not just Security
   ✓ Excludes military personnel identified as security liaisons from requiring background
- investigations in lieu of security clearances ✓ Legislatively mandates cyber awareness training and reporting (includes contractors)
- Requires that county and municipal government report cybersecurity incidents.
   Further clarify that cyber incident information shared to DIT will be protected under G.S. 132-6.1(c)
- ✓ Encourages private sector entities to report cyber incidents

Link to report incidents: https://it.nc.gov/resources/cybersecurity-riskmanagement/statewide-cybersecurity-incident-report-form

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