



Economic Impact Across Bossier and Caddo Parishes



3,148

Permanent jobs supported



Total annual household earnings added to the region

\$80.7M

Awarded in support of national defense for AFGSC

All statistics as of 2023 provided by Dr. Loren C. Scott



New annual revenues for local governments



Invested in K-12 STEM/Cyber Education



National Cyber Research Park Economic Overlay and Expansion





Phase I (500,000 SF of office space) Phase I - IV (2.5 million SF of office space)



Protected workspaces for military and government partners

- Anti-terrorist and Force Protection code compliant

 UFC-4-010-0
 UG-2031-SHR
- Four fiber loops (one research, three commercial)
- Uninterrupted power and redundant water supply
- Hardened and reinforced glass with data theft protection
 - \circ UG-2031-SHR
- Areas built to DoD SCI standards

 DCID 6/9 and ICD 705
 DoD 5105.21-M-1
- 24/7/365 security provided by Bossier City Police Department across campus
- 24hr building access for staff and tenants
- Multiple control points prior to office access
- Adaptable space to align with tenant requirements





Innovation HQ connecting government, industry and academia



Vision

A future with broader access to rapidly and efficiently design solutions for industry and government

Mission

Foster innovation and collaboration to address technology challenges and opportunities

Approach

Increase coordination between government, small businesses, academia, and industry

- Technology transfer and transition (T3)
- A scalable, multi-level security space for collaboration on large-scale challenges or small-scale design sprints
- Classified and unclassified suites for modeling & simulation and wargaming
- Nuclear enterprise modernization
- Rapid prototyping
- Outreach events for industry and academic collaboration
- Workforce development/knowledge transfer
- Data analytics



Welcome

- Brief personal introduction and fun cybersecurity fact
- Quick audience poll: 'On a scale from 1 to 5, how confident are you in your cybersecurity knowledge?'





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Why Cybersecurity Matters

- The Digital Landscape: Stats on digital adoption and cybercrime trends
- Impactful Stories: High-profile breaches and consequences
- Everyday Risks: Phishing, ransomware, and more



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- Identity theft
- Child sexual abuse materials
- Financial theft
- Intellectual property violations
- Malware
- Malicious social engineering

CYBERCRIME



What is it?

Cybercrime is any crime which is committed electronically.

This can include...

- Theft
- Fraud
- Sometimes even murder

Why should you care?

- Crime is a danger offline and on!
- Cyber self-defense basics can go a long way to keeping you and your data out of the hands of bad actors.



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- Ransomware
- Adware
- Botnets
- Rootkits
- Spyware
- Viruses
- Worms

MALWARE



What is it?

Any software intended to...

- Damage
- Disable
- Or give someone unauthorized access to your computer or other internet-connected device



Why should you care?

 Most cybercrime begins with some sort of malware. You, your family, and your personal information is almost certainly at risk if malware finds its way onto your computer or devices.



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RANSOMWARE



What is it?

Malware designed to make data or hardware inaccessible to the victim until a ransom is paid.

Examples

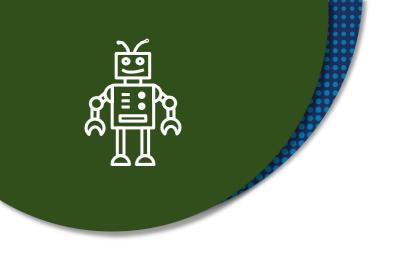
- Cryptolocker
- Winlock
- Cryptowall
- Reveton
- Bad rabbit
- Crysis
- Wannacry

Why should you care?

- Often downloaded as malicious email links
- Damage to both financial stability and reputation
- No guarantee that you will get your data back, even if you pay
- Often used as a decoy for other malicious activity



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BOTS



What is it?

Bots are a type of program used for automating tasks on the internet.

Did You Know?

Not all bots are bad. When you use a search engine, these results are made possible by the help of bots "crawling" the internet and indexing content. Chatbots like Siri and Alexa are another common type of "good" bot.



Why should you care?

Malicious bots can:

- Gather passwords
- Log keystrokes
- Obtain financial information
- Hijack social media accounts
- Use your email to send spam
- Open back doors on the infected device



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Did You Know?

Anything connected to the internet is potentially vulnerable, from escooters to laptops to cargo ships.

PHYSICAL CYBER ATTACKS



What is it?

Physical cyber attacks use hardware, external storage devices, or other physical attack vectors to infect, damage, or otherwise compromise digital systems. This can include...

- USB storage devices
- CD/DVD
- Internet of Things (IoT)



Why should you care?

- Easy to overlook
- Difficult to identify and detect
- Extremely difficult to remove
- Can do anything from installing ransomware, to sending copies of or modifying information systems, to dismantling networks



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- Phishing
- Pretexting
- Baiting
- Quid pro quo
- Tailgating
- Inside job
- Swatting

SOCIAL ENGINEERING



What is it?

- Cybercriminals can take advantage of you by using information commonly available through...
- Social media platforms
- Location sharing
- In-person conversations



Why should you care?

- Your privacy isn't just a luxury it's a security measure
- Attacks can be successful with little to no programming knowledge or ability
- Technological security measures can only protect you so much – you are your best defense



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Your location is embedded as metadata in every picture you take with your phone. Turn location services off when you aren't using them to make it more difficult for bad actors to view this information.

SWATTING



What is it?

An attack centered around location sharing in which bad actors call the police claiming the victim has committed a crime...

- Bomb Threat
- Armed Intruder
- Violent Incident



Why should you care?

- Physical and immediate consequences
- Sometimes was intended merely as a prank
- Arrest and serious injury can result
- Reduce risk by sharing your location only with trusted individuals, and share vacation photos only after you've returned safely home



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- Emails
- Text messages
- Phone calls
- Social media messages and posts
- Suspicious hyperlinks

PHISHING



What is it?

Fake messages from a seemingly trusted or reputable source designed to convince you to...

- Reveal information
- Give unauthorized access to a system
- Click on a link
- Commit to a financial transaction

Why should you care?

- Extremely common
- Can have severe consequences
- Devil's in the details



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POP QUIZ



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Yahoo!! Mail is Upgrading!!!

https://docs.google.com/spreadsheet/viewform?formkey=dF9IQ0c0LWtxVIN2

- C

This Email is from Yahoo! Customer Care and we are sending it to every Yahoo! Email User Accounts Owner for safety. We are having congestions due to the anonymous registration of Yahoo! accounts so we are shutting down some Yahoo! accounts and your account was among those to be deleted. We are send this email to you so that you can verify and let us know if you still want to use this account. If you are still interested please confirm your account, click bellow to verify your mail * Required

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https://docs.google.com/spreadsheet/viewform?formkey=dF9IQ0c0LWtxVIN2

Forged URL.

Although this domain uses "https" it is clearly not a Yahoo! domain.

Poor grammar.

Unclear and grammatically incorrect text on a page is usually a clear giveaway of a phish.

Yahoo!! Mail is Upg

Scare tactics. It's highly unlikely your email provider will delete your account due to "congestions."

C

This Email is from Yahoo! Customer Care and we are sending it to every Yahoo! Email User Accounts Owner is safety. We are having congestions due to the anonymous registration of Yahoo! accounts so we are shutting down some Yahoo! accounts and your account was among those to be deleted. We are send this email to you so that you can verify and let us know if you still want to use this account. If you are still interested please confirm your account. click bellow to verify your mail

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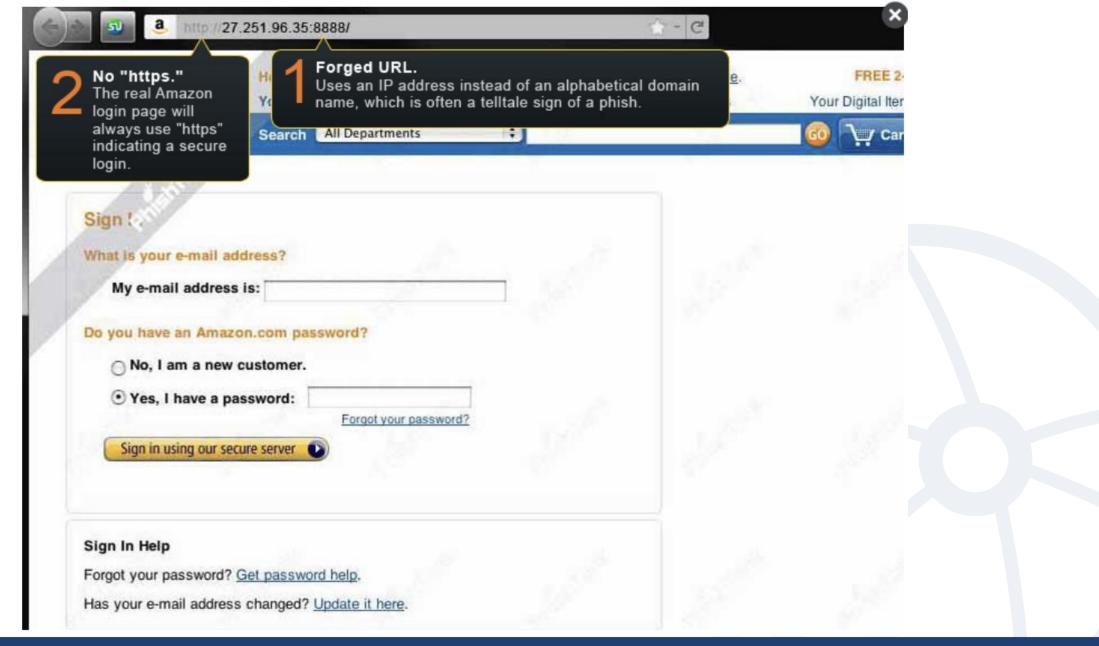
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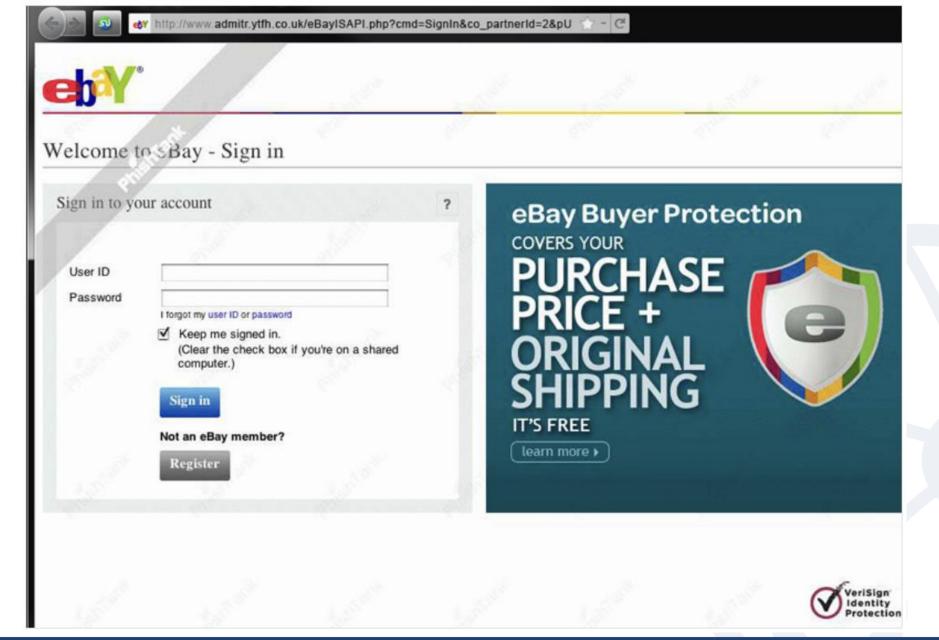


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Cyber Hygiene Best Practices

- Personal Security Tips:
 - Strong passwords and multi-factor authentication
 - Regular software updates
 - Recognizing phishing attempts
- Organizational Security Strategies:
 - Cybersecurity policies and training
 - Incident response plans
 - Regular security assessments

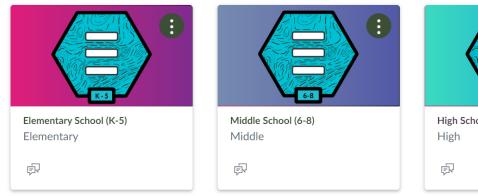




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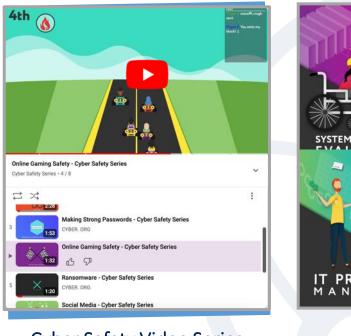
Power of Collaboration

- Building a Cyber-Resilient Community:
 - Partnerships between businesses, government, and schools
 - Success stories of collaborative cybersecurity efforts
 - Available Resources: CYBER.ORG and government resources











Cyber Safety Video Series



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Future Trends in Cybersecurity

- Emerging Threats: Al-driven attacks, IoT vulnerabilities
- Opportunities: Advances in threat detection and quantum security
- Call to Action: Stay informed and proactive



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