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IMPORTANCE OF CYBERSECURITY

- Most of our data is subject to FOIA, so sensitive data isn't a major concern like some companies, but that data is valuable to us, and that makes it valuable to others that might want to ransom it back to us.
- We provide important services to the communities we work in, and a disruption of those services may not cause a financial impact on our organizations but that lost trust maybe harder resource to recoup.

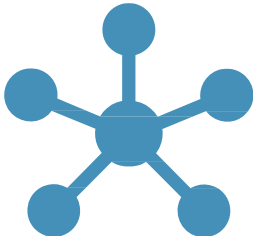


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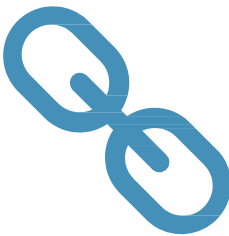


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UNDERSTANDING THE CYBERSECURITY LANDSCAPE



■ **Social Engineering** – Libraries tend to be too friendly and willing to help. It is ok to question things. If a request feels wrong or even if it doesn't, take your time and check it out.



■ **Ransomware** - A huge threat to every organization. The actors don't care about your organization, just what your budget is and what you can afford to pay them. No organization is immune; criminals apply pressure to all organizations they feel they can extort money from.

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SOCIAL ENGINEERING - SMISHING (PHISHING VIA TEXT)

We have all received texts about unpaid tolls or a package delivery that was attempted to be made. Sometimes you will get a text from someone who is pretending to be texting someone else. These texts normally include pictures of an attractive person. They will apologize profusely and then attempt to strike up a pleasant conversation with you.

These are all forms of SMISHING. The goal of these scams is money, either directly or as the start of a ransomware scam. These scams can sometimes go on for months, building confidence and a personal relationship, but it always leads to them asking you for money or to click on a link.

SPEAR SMISHING is when they target a person or organization that they have information about. They use this information to craft a message to pretend to be a co-worker or boss. RAILS employees regularly receive emails and text message from people pretending to be Monica or Joe.



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THE STORY OF GIUSEPPE THE RACCOON

Wesley, Are you available? Monica Harris . Yes I am available. Monica, could you please message me on Zoom. I'm tied up in a meeting right now and can't make calls, but I can communicate well via texts. I need you to handle a task. Oh what task would that be? How can I help? Ok, I have a presentation in a few that requires a gift certificate card, I need you to physically go to any nearby store and purchase me a gift certificate. I need the card back codes for the presentation. I will reimburse you before the end of t u ay.	Oh of course, exactly what type of gift cards do you need? I need 2 or more cards. I can only advise on the denomination with what the store has. What's the closest store? I do find it highly irregular that you would ask for gift cards after my multiple warnings during staff cyber security training that no one at RAILS would ever ask for gift cards for any reason. Ok I know Like I said am at meeting Let's see, there is a Walmart and a Target	Ok, keep me posted at Walmart and send images of available denominations when you get there. Okay Oh crap, I've got a problem. What's wrong So I have a pet raccoon as you know...well he has my key, and he is kind of fast and also a jerk. He won't give me my keys. Are you kidding me I told you that am at meeting	Well, I wish I was, Giuseppe (The Raccoon) has been on a tear recently. He tore up a shirt of mine and wore it around the house for like 2 weeks. He steals stuff from me all the time, I am really at a loss as what to do about him. You've raised raccoons your self, so you know how it can be. What should I do? Are you still going I'm trying but he's fast. Let me see if I can get him to give me the keys if I offer a little peanut butter. Keep me posted
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SOCIAL ENGINEERING VISHING (PHISHING VIA VIDEO)

The ability to make simulated video's that are almost impossible to distinguish from real video of anyone doing anything is easier than ever. This can be done in real time in a Zoom call with just a basic webcam. It is more important than ever to question even things you see video proof of before taking any important actions.

Below is a list of software that can accomplish this with just a little bit of tinkering, and a decent video card.

- Reface
- Akool FaceSwap
- Face Fusion
- Deep Live Cam
- Deep Face Live

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RAILS STAFF INSERVICE DAY SIR PATRICK STEWART (DEFINITELY NOT DEEP FAKED)



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THANK YOU

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