Alex Smetana

Scenario 1: I receive a phone call from someone claiming to be with the FBI. They say I have a warrant out for my arrest. I try to explain that it's a huge mistake, and they have the wrong person. They ask me to prove my identity, so I send a copy of my driver's license, birth certificate and a picture of myself holding up a sign that says "I'm Innocent" to TheRealFBI@gmail.com

1) Which parts of data quality (CIA Triad) are compromised here?

   Confidentiality is compromised since the criminals have access to the data. Integrity is preserved since the data isn't altered. Availability is also preserved since you still have access to the information.

2) What type of security control failed here (See McCumber cube - Technology, Policy, Training, etc.)?

   Education and training failed in this scenario since the person gave out the information willingly to a sketchy source. Ultimately it was the persons education since at the end of the day, it was in the persons control whether to send out the information or not.

3) What could be done here to assure this data? (See: Ways of securing _____, in lecture.)

   In this scenario you could download an app to help block spam emails. Since it is in the persons control, educate yourself on the dangers of spam emails. If your unsure ask a friend for advice.

4) 4) What is your advice on the next course of action for the victim in these cases?

   Do not give out personal information to anyone. Keep your birth certificate locked in a safe. Always check the email address to make sure it is authentic, otherwise your susceptible to phishing scams. Ask for help from a friend.

Scenario 2: I had to ground my teen daughter for spending all her time on TickTack and she was pretty upset about it. Then when I tried to log into my email account, it asked me for a one-time password, but I never set up MFA on my email account! Turns out my daughter tried to get revenge by setting up MFA and locking me out of my account! She says she guessed my password!

1) Which parts of data quality (CIA Triad) are compromised here?

   Confidentiality is compromised since she has access to the password and was able to get in. Integrity was also compromised since she was able to change the password and the account was altered. Availability was also compromised since you are locked out of the account.

2) What type of security control failed here (See McCumber cube - Technology, Policy, Training, etc.)?

Technology control failed here because your password was cracked. The security of the password was what failed. Partially it was on the person for a lack of education on how to make a password, while also being on TikTok for letting an obvious password be created.

3) What could be done here to assure this data? (See: Ways of securing _____, in lecture.)

Making your password harder to hack. Have a much longer password with different characters, capital letters, and lowercase letters. The longer the password, the more secure it is. Also, setup multi factor authentication with your account the double the security.

4) 4) What is you advice on the next course of action for the victim in these cases?

If she can get access to the account, setup a multi authentication password. Also change the password so it is much longer and less obvious than your previous password. Ground her daughter as well for messing with her.

Scenario 3: I was out at the Olive Garden for a super fancy dinner with the wife to celebrate our 5th anniversary when I saw the nurse from my doctor's office a few tables over. She'd clearly had a bit too much of the endless breadsticks and wine, and was loudly telling a story about one of her patients. It was a really gross story, but as she went on it was pretty clear she was talking about my last visit to the doctor. It was pretty embarrassing already, but eventually she saw me sitting there and burst out laughing, pointing and saying, "That's him! That's the guy!! Hi Prof. Chad Johnson with UWSP!"

1) Which parts of data quality (CIA Triad) are compromised here?

Confidentiality is compromised since people have access to the information. Integrity is also compromised since the trust was altered in the data. We can assume that since she was tipsy, the facts weren't 100%. Availability was not altered since we still have access to the information.

2) What type of security control failed here (See McCumber cube - Technology, Policy, Training, etc.)?

In this scenario policy training was violated. The nurse violated policy by talking about confidential information when she was specifically trained not too.

3) What could be done here to assure this data? (See: Ways of securing _____, in lecture.)

Limit the information that the nurse is allowed to understand and leave it to the information absolutely necessary. Also limiting the amount of alcohol in her system.

4) 4) What is you advice on the next course of action for the victim in these cases?

Don't engage with the nurse if it isn't too serious. Otherwise, if it is serious enough, talk to her or her supervisor depending on the severity of the information. She was most likely very tipsy so its understandable, but that doesn't excuse it if the information was bad.