

Prompt: Watch this video and pay attention to the way that movies distort hackers.

<https://www.youtube.com/watch?app=desktop&v=6BqpU4V0Ypk>

- After watching the video, write a journal entry about how you think the media influences our understanding about cybersecurity

Notes from the video "Hacker Rates 12 Hacking Scenes In Movies And TV | How Real Is It?"

1. "Skyfall" (2012) there is a great deal of made-up jargon and images to seem more dramatic than the real-world understanding of cybersecurity.
2. "Mr. Robot" S3E1 (2017), there is a way better example of cybersecurity as it does pull inspiration from DEF CON which is a real-world hacking convention for cybersecurity experts. They include a lot of correct terminologies and show accurate actions, but speed them to the point t they become unrealistic.
3. "Ocean's 8" (2018) spear phishing was accurate but uses a box that blocks the resetting mechanism, which is quite unrealistic.
4. "The Matrix Reloaded" (2003), they used pulled inspiration for a current cyberattack happening at the time; however, hackers use fingerless gloves.
5. "The Girl with the Dragon Tattoo" (2011) where the character can hear the numbers on the keypad is accurate as well as taking photos of the system to replicate. This example also uses a dramatize replica of the PWN phone which hackers use for wireless hacking.
6. "The Social Network" (2010) pull inspiration from Mark Zuckerberg's blogs on creating FaceSmash, meaning that it is accurate on how his site routing process. This means that they would pen-test the sites as well as come back to more difficult tasks later, but they do speed up the process.
7. "The Fate of the Furious" (2017) this shows that people can remotely hack cars using the entertainment system. This happened in 2016, but cars currently are not connected enough to control cars remotely.
8. "Wargames" (1983) Looking for a piece of paper with the passwords are very good as well as people recycle passwords leading to the fact it is easier to find passwords that way. This is known as credential stuffing. Shows the importance of two-factor authentication and biometrics.
9. "Star Trek: Discovery" S2E8 (2019) They use SQL injections for futuristic space endeavors. The main problem being that SQL injections bank on the idea that the SQL server will run what is imputed.
10. "Silicon Valley" S4E9 (2017) They are showing an example of a Wi-Fi pineapple which is a fake Wi-Fi router that then can steal credentials. They then talk about creating a fake website to get the proper credentials off of people.

11. "Jason Bourne" (2016) They show port knocking which is seeing which ports are open for connection from a remote location. They do show impossible IP addresses by going over the byte number 0-255. However, movies and shows do this to protect the real world IP address users as some keen viewers would track those people down.
12. "Hackers" (1995) Shows the proper time for how long hacking takes, also shows proper hexadecimal and the ASCII text that it represents. First case of ransomware Hollywood has depicted.

Journal Entry

After watching the video "Hacker Rates 12 Hacking Scenes in Movies and TV | How Real is it?" from Insider. The movies were more realistic than I thought they would be going in. Most of the time when I think about movies showing hacking it would be similar to hacking depicted in "Skyfall," because they dramatize it for the entertainment of others. This would just be using things that sound technical and graphics that would entertain the audience better. This would also be the idea of what happens in a few of the other media examples like "Mr. Robot" and "The Social Network" as how quickly everything goes through is not accurate. This is most likely for pacing of the movie or show, but it is very unrealistic. The movies that gain inspiration from real hacking events, like "Sillion Vally" and "The Matrix Reloaded" ended up having better ratings than those who just through around cyber terms like "Star Trek: Discovery."

I think that media when showing hacking shows a great deal of possibilities for the future of hacking. An example, being "Hackers" showing a form of ransomware before its time. Another, being the car hack from "The Fate of the Furious" showing what could be possible when cars become more connected to the internet. I think over all media is able to show how different levels of hacking as the credential stuffing in "Wargames" is very simple while the hacking of the CIA in "Jason Bourne" was more technical with port knocking. I do not think that the media examples shown in the video show how devastating cyberattacks can be. Most of them are showing the protagonists using hacking as a tool to achieve their means, but not how it feels to be the victim. Most media frame hacking as something that only very smart people can achieve or specialized personnel, but anyone with internet access could probably be able to hack.