Gareth Lewis

'It takes 20 years to build a reputation and few minutes of cyber-incident to ruin it'

- Stephane Nappo

'Passwords are like underwear: don't let people see it, change it very often and you shouldn't share it with strangers'

- Chris Pirillo

We are giving away too much biometric data. If a bad guy wants your biometric data, remember this: he doesn't need your actual fingerprint, just the data that represents your fingerprint. That will be unique, one of a kind."

- Mike Muscatel,

Introduction

For this worksheet, you are going to work as a team to develop a body of knowledge on cybersecurity that you can leverage for the cybersecurity essay assignment.

The following repository has been set up on github and contains a large number of articles and videos relating to cybersecurity:

https://github.com/Falmouth-Games-Academy/comp280-cyberworkshop.git

Worksheet Activities

The goal of the activity is to create a body of knowledge that you can all reference for cybersecurity related information and references for academic writing.

To do this:
(A) Pull the cyber workshop repo onto your computer
(B) As a team, divide out the articles between yourselves. They are generally grey literature, so won't be as long or as demanding a read as typical academic papers. You should all have around 4 or 5 articles to read and write notes on.
(C) Read each article and make notes using 5Ws&H and 3As
(D) Upload your articles onto the website
(E) Once you have all read your papers, determine how the articles cluster. There should be some obvious groups around data breaches, state-sponsored cyber terrorism and hacktivism, white hatting and security.
(F) Split your team into subgroups to write a page for each group that will serve as an introduction to the topic and highlight key issues, outcomes and findings.

Additional Guidance

On the surface, this sounds like a lot of work to go through all the papers, but many hands will make light work. As a team, you will need to divide out the work between all of you and then collect your impressions on the papers to work out how they cluster.

The *5Ws&H* approach is often referred to as the '*hack's method*' as it's commonly cited by journalists to address the *who, where, why, what when* and *how* of stories. As each of your articles is a story about cybersecurity there should be those aspects. Again, you can look for interesting groupings; what kind of people and organisations are involved in these cyber articles? Are there any commonalities in *what* and *how* things are being done and so on?

The *3As* is a similar approach that comes from UML modelling, in particular use-case collaborations. The three *As* describe the actors, activities and artefacts in a system and you can use this to think about who is involved in cyber article, what is being done (the activities) and what it's being done to (the artefacts).

Both the 5Ws and 3As give you fairly simply frameworks that you can employ to compartmentalise complex situations in order to improve your understanding.

To write up your articles, make sure everyone contributes to the process. I will use a tool to assess your contributions for marking this worksheet so don't leave all the writing to one or two scribes. It's a group writing activity and you will all benefit greatly from the body of knowledge you have created once you turn your attentions to the cyber security essay (assignment 2).