Research Sources Assignment

Source #1: -

* The title of this source is Computer Networks (Fifth Edition) written by Andrew S. Tanenbaum (Vrije University) and David J. Wetherall (University of Washington). This book was used for a networking course in Algonquin College. That makes the author and the book credible.
* During my first semester in Algonquin College. I had no knowledge about computer networking. My first networking course in Algonquin College was CST8103. It helped me learn the protocol, layers, models, procedure, etc. of an internet connection through a router.
* An active internet connection has multiple requirements. It is crucial to know how an internet connection works before trying to make it secure. I wanted to have a source which tells me about the different requirements and protocols of an active internet connect [1].
* This source has no bias or partiality towards any topic or idea. It simple facts, like math. Each action concludes with a consequence (might be positive or negative).
* My report is about the different levels of network security in the virtual world. This source helps me explain how computer network protocols work.

Source #2: -

* The title of this source is Guidelines on Firewalls and Firewall Policy written by Karen Scarfone and Paul Hoffman. The author wrote this book on behalf of National Institute of Standards and Technology (U.S. Department of Commerce). The credibility of the authors is based on the face that the source was found from a government -domain website.
* I was looking for a government based reference/source because it is more credible and reliable. At the same time, I was trying to find the credibility of routers and/or firewalls and how those two function. Keep in mind that network protocols, Firewall and routers have many things in common but have very different functionality (will be discussed in the final report because it is a broad topic).
* The purpose of this source is to find how routers and Firewall function (together and separately). The world is told that Firewall and routers protect us from malware but very few people know how and to what extent. Malfunction, testing of routers and Firewall policy [2], these things are left out of the details but this source helps me find the missing information on other websites.
* This source has no bias or partiality towards any topic or idea. This source talks about the method and/or working of Firewall and routers. It’s only cause and effect, no biased opinions.
* This source talks about maintaining a secure connection to the internet. In other words, the testing and processing of both hardware and software of a secure internet connection.

Source #3: -

* The title of this source is Firewall written by Margaret Rouse. This tech related website constantly updates accurate articles as new tech is released and the author is an employee of that website, which makes the author credible.
* I have been using this website myself for quite a bit of time in researching anything related to digital security. Hence, the thought of this website came right away.
* Hence, when I thought of researching about different types of network security, I wanted to use this website as a source.
* This website covers about different types of digital security and Firewall. It shows different methods a user could use to protect his machine from the internet [3].
* There might be a slight bias for one type of security over the other. There many ways to secure a machine with an active internet connection, so naturally bias opinion about one method being better than the other might happen. However, this bias will not affect my report as I’m only constricting myself to a few known types of Firewalls.
* Knowing how network security works and knowing which method of network security is efficient are both important. But the latter might give the edge to most people. This source is to show the different ways one could protect his/her machine.

# References

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| [1] | A. S. Tanenbaum and J. D. Wetherall, Computer Networks (Fifth Edition), Boston: Pearson, 2011. |
| [2] | K. Scarfone and P. Hoffman, "Guidelines on Firewalls and Firewall Policy," National Institute of Standards and Technology, September 2009. [Online]. Available: http://csrc.nist.gov/publications/nistpubs/800-41-Rev1/sp800-41-rev1.pdf. [Accessed 1 March 2017]. |
| [3] | M. Rouse, "Firewall," Tech Target, November 2014. [Online]. Available: http://searchsecurity.techtarget.com/definition/firewall. [Accessed 1 March 2017]. |