<https://yibelta.github.io/yibeepogithub.io/reflectionsmore.html>

<https://github.com/yibelta/yibeepogithub.io/settings/pages>

**Network and Information Security Management E-portfolio Reflection Assignment**

In this Network and Information Security Management Modules I have learnt and done different concepts like how to scan and penetration tool and activities like collaborative discussions, pen scanning exercise and practical and team activity. With these all process I got knowledge and experiences as an individual and as a group. Just herebelow I would like toreflect about it.

In the first collaborative discussion part I have postedand discussedabout the health care cybersecurity industriesthreats and focused on Brute force attacks and denial-of-service.Right now,it has come the momentous threats in the medicalcenter. Andmost ofmedicalcentersusceptibilities can concessionclients’ statistics. Onceobserving at possiblefears, Brute force attacks and denial-of-service are common.

In addition to my point my classmates ([David Luvaha](https://www.my-course.co.uk/user/view.php?id=14337&course=6756) from [Jan Küffner](https://www.my-course.co.uk/user/view.php?id=14259&course=6756)) also added their ideas on network hard ware replacement to support modern crypto algorithms to secure it . SinceNHS Digital (2020) acknowledges that breaches related to security of associatedmedicalhardwaremaylead to substantial interruption to the service operation in medical center.Besidesthe technical issues, another class mate [Kin Wong](https://www.my-course.co.uk/user/view.php?id=14575&course=6756) considered human factor asa highest potential risk of health care cybersecurity industries. According to the Sky News today (2021) the IT systems of the Ireland’s health service are all being shut down because of significant ransomware attack, which maybe happened due to any human error.According to Joseph (2021), he stated 5 network security risks which are happened by human error. So that in my first collaborative discussion what I understand is that to make health care cybersecurity industries are stable and secure we should consider all issueswhich describein the above.

In my collaborative discussion 3 I raised an issue about CCTV data in a disciplinary This case study concerns on unfair use of CCTV data in a corrective procedurepracticingon one staff. The foundation of the oppositionbeing wasunethicallyattained.And our tutor, Doug Millward also gave the following comments on this regard “it is good to highlights about processes, procedures, and the human element also It is worth considering how the data itself can be encoded as part of security precautions as well as looking at alternative mechanisms that may be usable”.So, I totally agreed with in the above comment.

we have practiced on how to make basic penetration scan test individually and as a group. In this test as group, we agreed that each individual person would conduct a basic scan each on the opposing groups website so that we could compare the results with each other. And Some of the results were vastly different across the board.

In regards to my own individual results I used this web site “WEBSITE- <http://nismphp-env.eba-ytbpbyww.us-east-1.elasticbeanstalk.com/>” and IPerform a basic scan test using standard tools such as ping, traceroute, dig and nslookupin order to answer the following information:

How many hops from your machine to your assigned website? - I got Traceroute detected 21 hops, which step causes the biggest delay in the route? I got Hop 13, What is the average duration of that delay? -;I got Average duration- 96 ms (found from the ping test results), What are the main nameservers for the website? -I got Whois'markmonitor.com', Who is the registered contact? –I got Amazon Technologies Inc. (AT-88-Z), What is the MX record for the website? – I got No MX record foundand where is the website hosted? and I got Ashburn, Virginia, United States. In this exercise I have gained skill how to scan different website with different tools within different operating system.

In our design partof a Network and Information Security Management (NISM) Assessment Project. In this design part we have explained a lot of issues as we have attached at group assignment. As an individual I have contributed something on the appropriate related standards part. In the summery part we have explained a lot of issues as we have attached at group assignment. As an individual here I contribute something in the recommendation and conclusion parts. Since we did scaninspection, then we gotseveral security intimidations that should be alleviatedso based on this finding I recommended the following.

* penetrations result indicated ports 21 and 80 are exposed. It is HTTP port, mean no encryption among the client and server once they communicating.HTTP are more susceptible for attacker and DoS (Acunetix, 2014).
* Some CMS working on the webserver this may expose the scheme to cyber-attack like SQL injections and database attacks. Socialfactorin this case will be the possiblesource of the risk. (FutureEnTech, 2020).

Based on the above conclusions and afteranalysing the website, here below are the recommendations.

* The first recommendation should be Practise SSL and port 443 can avert any unsecured data transientover.
* To avert SQL shot to toxic the medicalsiterecord, the sitewould be threatenedpracticing solutions like next generation security device, ACL protocols and other security procedures.
* Port 20 and 80 should beencrypted and other redundantexposed port would be evading from any treat.

In conclusion I have seen that using security tools, network security protocol and huma factors is very critical to build better security strategies and these could be the key to preventing some of the worst attacks. At the end as my understanding Cyber-attacks can originate from all diversepositions, consequently our safetyproceduresshould be advanced.

Here is my E- portofolio link, so you can see it:

<https://yibelta.github.io/yibeepogithub.io/reflectionsmore.html>

<https://github.com/yibelta/yibeepogithub.io/settings/pages>

<https://yibelta.github.io/yibeepogithub.io/index.html>

<https://yibelta.github.io/yibeepogithub.io/landing.html>

<https://yibelta.github.io/yibeepogithub.io/>

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