**Team‌ ‌Nebular:‌ ‌Unit 7 Eportfolio Activity Discussion**

Date‌ ‌&‌ ‌Time:‌ Tuesday 6th July ‌18:00‌ ‌BST‌

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Location:‌ ‌Zoom,‌ ‌Meeting‌ ‌ID:‌ ‌856‌ ‌4145‌ ‌2377‌ ‌

Attendees:‌ ‌Charlotte‌ ‌Wilson‌ ‌(CWi),‌ ‌Freya‌ ‌Basey‌ ‌(FB),‌ ‌Jan‌ ‌Kuefner‌ ‌(JK),‌‌ ‌‌Craig‌ ‌Watts‌ ‌(CWa),‌ Dinko Isic (DI) ‌

Purpose: To discuss findings from the e-portfolio activity and share insights.

**Task to complete:**

Read the following articles on Kali Linux:

Leroux, S. (2020) The Kali Linux Review You Must Read Before You Start Using It. It's FOSS. Available from: [**https://itsfoss.com/kali-linux-review/**](https://itsfoss.com/kali-linux-review/)

Bhatt, D. (2018) Modern Day Penetration Testing Distribution Open Source Platform - Kali Linux - Study Paper. *International Journal of Scientific & Technology Research* 7(4): 233-237.

* What does the article teach you about carrying out vulnerability scans using Kali?
  + Kali is versatile (from forensics to pen-testing, 600 tools,
  + Kali is for different levels of capabilities (CLI & GUI tools)
  + Kali can run on a VM
  + No productivity applications, since it is not for every day use.
* What issues might you encounter?
  + One can do something damaging, since not as easy as Nessus
  + Tools might do serious damage
* How would you overcome them?
  + with documentation
  + Trial & error

Bhingardeve, N. & Franklin, S. (2018) A Comparison Study of Open Source Penetration Testing Tools. *International Journal of Trend in Scientific Research and Development* 2(4): 2595-2597.

* How do their results compare with your initial evaluation?
  + Their criteria wasn’t very clear. It had duplication.
  + Our evaluation was similar
  + Popularity was a good added criteria
* What do you think of their criteria?
  + Granularity not good enough, we could do like a mean value

“Kali Linux is a well-respected collection of open source pen testing tools, including metasploit, nmap, wireshark and sqlmap amongst many others. It has the benefit of being available as a ‘live distro’ which means that there is no requirement to install it – it will run from a DVD or a USB/ thumb drive. For these reasons, we recommend that Kali Linux is the tool of choice for this assignment.” (UoEO Computing Team, 2020.)

Based on your evaluation in the previous session and the articles above, consider the recommendation given above:

* What are the pros and cons of using Kali Linux vs. Nessus?
  + Pro using Kali
    - Free
    - Has everything
  + Con using Kali
    - Install process
  + Pro using Nessus
    - Automatic
    - GUI / usability
    - Fast results
  + Con using Nessus
    - Hard to look under the hood / blackbox
    - Very expensive
    - Install still tricky
* Has this changed your original evaluation score?
  + one should use multiple tools
  + Not too far off with our intial scoring
  + Nmap (freya can’t remember)

**Discussion**:

* What does the article teach you about carrying out vulnerability scans using Kali?
* What issues might you encounter?
* How would you overcome them?
* How do their results compare with your initial evaluation?
* What do you think of their criteria?
* What are the pros and cons of using Kali Linux vs. Nessus?
* Has this changed your original evaluation score?