| **e-Portfolio Activity – Unit 7** | | |
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| **Articles or Statements Kali Linux** | **Question** | **Response** |
| 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? | Sylvain Leroux argues that the Kali is not the best distribution for a first time user due to Kali’s speciality with the suite of security assessment tools. In addition, Sylvain also highlights that some of the commands may be harmful to the user’s home network.  Devanshu Bhatt discusses various tools and applications available within Kali Linux.  Learning from the article: Kali Linux is helpful for security assessments, But the tools and applications available within Kali Linux must be used with caution. |
| What issues might you encounter? | The home network could be impacted, if the Kali Linux’s tools are not used carefully. |
| How would you overcome them? | If possible, have the Kali Linux system segregated from the home network.  Have different user accounts with limited privileges to do the various activities, specifically critical tasks.  Implement necessary security controls such as firewalls and antivirus software. |
| 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 discussion is limited to six security tools (Nmap, Metasploit, Wireshark, Aircrack-ng, John the Ripper & Sql map). However, Kali Linux is packed with various security tools which can be utilised for several security assessments. |
| What do you think of their criteria? | Each of the tools is developed to assess different security controls with unique objectives.  Their assessment criteria enable the readers to identify the differences and uniqueness of the tools.  Instead of comparing the tools, they should have highlighted how the security tools complement each other. |
| “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.) | What are the pros and cons of using Kali Linux vs. Nessus? | As indicated before, Kali Linux is packed with various security tools which can be utilised for several security assessments. However, Nessus can be used for vulnerability assessment only.  In addition, as Kali is an open-source solution, users don’t need to pay a significant amount of money like Nessus users.  Even though Nessus users have to pay a significant amount for a fully licenced version, they receive comprehensive customer support. In addition, Nessus is a very user-friendly solution relative to Kali Linux security tools. |
| Has this changed your original evaluation score? | No |