

Unit 7 - e-Portfolio Activity (Kali Linux)

Kali Linux is a Debian-based rewrite of BackTrack. It is a Linux OS loaded with security-related tools and applications focused on network scanning and penetration testing practices (Leroux, 2020).

While Kali Linux is a sophisticated operating system performing penetration and network testing, it is not suitable for performing the everyday tasks an average user does (Leroux, 2020). Even though it is possible to install ported Debian applications, doing so in the Kali Linux software, you might be introducing vulnerabilities to the operating system itself (Leroux, 2020).

Kali Linux includes a plethora of network testing tools, including Dmitry and Metasploit Framework which offer a variety of exploits (Bhatt, 2018).

In comparison to other penetration software, Kali Linux is a whole operating system, making it harder to use it if you are limited to hardware resources. This, along with the limitations of using it as an everyday operating system, makes it harder for some users to utilise it (Leroux, 2020).

A solution to overcome this problem is to employ a virtual machine environment where users can run it directly from their everyday operating system. This not only allows the user to access the Kali Linux whenever he wants, but it can also add a special precaution step in case something might go wrong with the “root” configurations a user might perform.

References:

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.

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> [Accessed 24 June 2021].