

Operating System

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ODU

Reflection Number 6

Operating system

Finally on Day 26, the activity that I carried out was patching in order to enhance the security as well as the stability of the operating systems. This basic function entailed revising several operating systems and the Syntec system to improve their protection against detectable weaknesses. Continuing with the task that was done in the previous day, Day 27 was characterized by patching of systems. This general endeavour was intended to ensure that all systems were updated with the recent patch and updates to enhance the level of security. Also I conducted rescans using nessus which helped me check the efficiency of the issued patches and to check for other vulnerabilities which were still open.

The activity of the day on the 28th involved the use of the Logicube Forensic Falcon NEO to image a 1TB hard drive. Finally, on Day 29 the OTMP checklist was addressed. I performed the final safety check with weaponized SUS, making sure that all systems had up to date patches, and were conformant with the organizational requirements. At the last confirmations' scanning, I moved to imagery and inventory, vital for the proper documentation and order of the IT environment.

Figure 1. Logicube Forensic Falcon NEO in use



I began a new activity at NTF which involved getting a lab ready for new data diod. Again, on the last day of this period, it was back to NTF with a continuation of the project workflow. Thus, I was concentrating on stacking CL100 equipment and making sure all the connections were properly made. This setting was crucial for the process of starting the tests of the new Diod that had been planned for the subsequent week.

Figure 2. Infrastructure setup at NTF

**Reflection.**

This has been a very productive five days filled with learning and personal growth in the professional sense. They have helped in strengthening my technical competency in system administration, patch management, forensic imaging, and project delivery. Furthermore, they have stressed the gains made in understanding planning and organization skills, neatness and coordination and communication in team set-ups.

Reference.

Afolabi, O., Adegbenro, F., Philips, P., Owolabi, G., Harris Jr, S. L., Ngo, B., ... & Salmani, H. (2022). Memory Forensics Tools Quantification and Ranking. *open science index 16* 2022, 20, 11.