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CYSE 368

Cybersecurity Internship

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Reflection Paper 2

This is a reflection on my second 50 hours of working as an IT Technician. When I first started working here, I was pleasantly surprised by how much work we do revolves around security. Fortunately, we have not had any security incidents to reflect on. This, however, does not mean there is not room for improvement.

Adding on to my first week of work where I implemented more efficient methods of drive erasure without sacrificing secure data erasure, I have continued researching more efficient methods of erasing bulk amounts of drives. The first thing I noticed when researching industrial/enterprise data destruction solutions was how cost prohibitive products are. One example is the "Industrial System" created by KillDisk (www.killdisk.com), which is a 4U (4 rack units) rack-mountable system that exists solely to erase disks. The cheapest, base customization option for KillDisk's "Industrial System," which has 15 3.5" bays for HDDs, costs \$3,200.00 (as of February 7, 2025). Of course, the functionality and compactness of the system is certainly valuable; however, the cost simply does not justify the means. Although KillDisk's products do not entirely fit our criteria, this does not mean that I can not derive value from their implementations.

Therefore, I will continue researching affordable and effective solutions that do not compromise on security or reliability and will further delve into the technical specifications of products such as KillDisk's "Industrial System" for inspiration.

This has been one of my primary focuses during these last 50 hours, as optimizing this process would save incredible amounts of time, energy, and of course, money. It has also been a fun and educational (albeit challenging) week, and I am very pleased with the outcomes of my internship thus far.

Links

<https://www.killdisk.com/eraser.html>

<https://www.killdisk-industrial.com/system/>