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Internship

Reflection paper #4

Day 16: Data Diode Collection and System Reset

On this day, I focused on data diode collection for two buildings. The process on the destination side went smoothly, but the source side, involving an old OPDS 100D, presented challenges. A reset resolved the issue, demonstrating the importance of persistence and troubleshooting skills.

Day 17: System Image Restore and Samba Configuration

I collected data diode from the 14x22 building and performed a system image restore. Configuring Samba and creating a symbolic link in Linux were critical tasks. A connection issue on the customer's Mac required resolving mapping issues by updating the host table. This highlighted the significance of IP/name resolution in network configurations.

Day 18: Configuration Management

This day involved extensive configuration management tasks, including entering, completing, and validating change requests (CRs). I also located the GDS computer and software baseline repositories and performed inventory validation on GDS computers. These activities enhanced my understanding of configuration management processes and the importance of maintaining accurate inventories.

Day 19: Tunnel Tour

A tour of the 8-foot tunnel provided insights into the physical infrastructure supporting our systems. This experience broadened my perspective on the operational environment.

Day 20: Syslog Server Setup

Setting up a syslog server for the CSN project was the focus. This task was vital for centralizing log data and ensuring effective monitoring and troubleshooting capabilities.

Reflection:

These initial 50 hours have been instrumental in developing my technical and problem-solving skills. Each task, from system resets to network configuration, has contributed to my learning objectives. Troubleshooting real-world issues and setting up critical infrastructure like syslog servers have been particularly rewarding. Observing the operational environment during the tunnel tour provided a deeper understanding of the

physical aspects of our systems. Overall, these experiences have underscored the importance of adaptability, persistence, and continuous learning in a professional setting.

This reflective journal captures my journey, highlighting the progress towards achieving my learning objectives and providing a platform for deep reflection on my internship experience.