

Reflection Paper 1

Name: E.J. Corpus

Title: Information Systems Security Technician

Introduction

This week has marked a significant milestone in my professional journey as I embarked on a new full-time job. The onboarding process included a comprehensive understanding of the company's infrastructure. During the first days, I focused on understanding the company's culture, going through training sessions, and learning about the detailed tasks and procedures of the job.

Tasks and Procedures

After introductions and training modules, I was assigned the Linux Learning Project. Given the responsibility to improve my skills in Linux Administration, this project is crucial for me to get up to speed to be able to confidently navigate through the environment. While still a work in progress, I have already benefited from the project, which is providing me with a deeper insight into Linux systems and their administrative functionalities. The hands-on experience through this project has not only helped build my skills in Linux but also improved my troubleshooting skills in virtualization and configuration.

Beyond the Linux Learning Project, my responsibilities range from physical security management to log collection and auditing. The review of logs is important in ensuring the integrity and security of our systems. It is important to securely identify and remove users who no longer need access to safeguard against potential breaches. In collaboration with my team, I am actively engaged in alert mechanisms aimed at monitoring and mitigating any suspicious activity to improve our overall security posture.

Conclusion

Reflecting on the events of this week, I am motivated by the work done and the knowledge gained. I know there will be challenges that will come up, but I understand when to ask for help. With the new skills I've gained and a strong attitude, I'm excited to handle the complexities of my job and help the organization succeed.

Reflection Paper 2

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Introduction

As I reflect on my experiences during this past week of my job, I have a better understanding of what my responsibilities and weekly tasks will be. One significant aspect of my role involves managing loaner laptops and ensuring that the images used by users traveling across the country are thoroughly tested and reliable. I have been tasked with managing door access logs, which has been challenging and intriguing. Understanding who has access to certain areas within the organization and ensuring that access permissions are appropriately managed requires attention to detail and going through many approvals for the logs.

Making Progress with the Linux Project:

Another significant focus of my week has been advancing the Linux Project, a key initiative to improve my skills in Linux system administration. This project has provided me with invaluable hands-on experience in managing Linux systems effectively. Throughout the week, I have moved on to learning how to download, compile, and install packages from source which is a fundamental aspect of managing software on Linux computers. I have also applied the DISA STIG as my baseline configuration and security controls for my virtual machine. While this process has presented its challenges, each step forward has deepened my understanding of Linux system administration principles and the command line interface.

Conclusion:

Reflecting on the accomplishments and challenges of the week has helped me feel determined and motivated. Each task done has not only expanded my skill set but has also contributed to my growth as a professional. Looking ahead, I am excited about the opportunities for learning and development that lie ahead. This job experience continues to be an invaluable opportunity for me to gain practical experience and refine my skills to advance in my career in cybersecurity.

Reflection Paper 3

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Introduction

As I reflect on the experiences and accomplishments of the past week in my internship, I am satisfied and excited for the journey ahead. These 50 hours of work have been instrumental in deepening my understanding of my role and responsibilities within the organization. From completing the Linux Project to implementing door alerts and learning to operate the loaner laptop program, each task has provided invaluable insights and opportunities for growth.

Making Progress with the Linux Project:

This week has been incredibly successful as I completed the Linux Project, a milestone achievement in my full-time journey. With determination and perseverance, I navigated through the obstacles of building a Red Hat Enterprise Linux server from scratch. It was a challenging yet learning experience that deepened my understanding of Linux system administration. I now have to present the project to my supervisor to prove my understanding of Linux.

Door Alerts and New Responsibilities

In addition to completing the Linux Project, I played a role in implementing door alerts within the facility. Collaborating with my team, we successfully set up a system to receive email alerts whenever someone enters the premises. While the setup phase went smoothly, we are now in the testing and troubleshooting phase to ensure the receipt of alerts during specific hours.

I have also been gradually learning to operate the loaner laptop program, a responsibility I will soon undertake. While I am still in the learning phase, I am eager to take on this responsibility and contribute to the smooth operation of the program. This week has been marked by significant accomplishments and valuable learning experiences. As I reflect on the tasks completed and the challenges overcome, I am motivated to continue pushing myself to grow and improve with each passing week of my internship journey.

Reflection Paper 4

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Introduction

This week, I reached a significant milestone by successfully presenting my completed Linux project to my supervisor. The experience was nerve-wracking and rewarding, but the positive feedback confirmed my understanding of Linux server administration. Now, I have been tasked with a new project called the Containers Project. I'll use the same Red Hat Enterprise Linux server to explore containerization using Podman. I will be building a web server, database server, and reverse proxy all within the same environment. This project will benefit me as it will deepen my understanding of containers and their role in our real environment.

Continuing Responsibilities in Physical Security

Despite starting a new project, I remained focused on my ongoing duties, particularly ensuring the physical security of our facility. This involves monitoring access logs and investigating any suspicious activities to keep our assets safe. Ensuring cameras are detecting all activities including employees or adversaries is crucial to physical security. Each task helps protect our organization and mitigate risks. I'm committed to upholding our security standards and diligently fulfilling my responsibilities.

Reflecting on Growth and Learning

As I look back on the week, I am impressed by how much I have learned and accomplished. From presenting my project to starting a new one and maintaining security measures, each task has contributed to my professional growth. I'm excited about the challenges and learning opportunities that lie ahead. With each experience, I'm becoming more prepared for my future career. I am motivated to keep learning and growing as I navigate through my career journey.

Reflection Paper 5

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Introduction

During this past week of my internship, I've made significant progress in enhancing the physical security of our facility. We're taking proactive steps by implementing new technology, such as a doorbell and sensor system, to receive alerts about who enters and exits the premises. This initiative is crucial for our security measures and ensuring a safe environment for everyone. While we're still troubleshooting some issues with the email alerts for the door, I'm confident we'll resolve them soon. It's been rewarding to see our efforts in improving security take shape, and I'm eager to see the positive impact it will have on the organization.

Progress in the Containers Project

In addition to focusing on physical security, I've also been making great progress with the Containers Project. This week, I've successfully created pods containing rootless containers and established an SQL database linked to the Apache web server. This hands-on experience has deepened my understanding of containerization and its practical applications. As I continue to work on this project, I'm excited about the possibilities it presents for optimizing our infrastructure and enhancing efficiency. I aim to complete the project and learn more related to policies and compliance, sharpening my skill set and contributing to the organization's success.

Looking Ahead

As I reflect on the achievements of this week, I'm filled with a sense of accomplishment and motivation to keep pushing forward. Moving forward, I plan to focus on completing the Containers Project and diving into my role's policies and compliance aspects. By tackling these challenges head-on, I aim to further expand my knowledge and skills, positioning myself for continued growth and success in my internship.

Reflection Paper 6

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During this week of my full-time job, I made significant progress on multiple fronts, contributing to the advancement of projects and the enhancement of our infrastructure. The Containers Project, a focal point of my work, is nearing completion, and I'm eager to present it to my supervisor soon. This project has provided invaluable hands-on experience with containerization technology, deepening my understanding and skills in this area. Additionally, I upgraded our SFP28 cables to 25 gig cables, improving network performance and connectivity. Redoing the cable management in the server rack was another task undertaken, ensuring a more organized and accessible environment for troubleshooting.

Troubleshooting and Security Measures:

One of the key tasks this week was troubleshooting email alerts for door access. Collaborating with colleagues, I diagnosed and resolved issues to ensure the system functions effectively. Once resolved, alerts will be configured to notify off-hours access for certain doors, enhancing security measures. This experience underscored the importance of proactive monitoring and quick problem-solving in maintaining robust security protocols. Overall, this task contributed to our ongoing efforts to safeguard organizational assets and maintain a secure environment.

Conclusion

As I reflect on the week's achievements, I'm proud of the progress made and the contributions to various projects. Each task undertaken provided valuable learning opportunities and contributed to my professional growth. Looking ahead, I'm excited about the continued opportunities for learning and development in the remaining weeks of my internship. I remain committed to delivering excellence in all aspects of my work and contributing meaningfully to the success of the organization.