

CPE 212 – Reflection	
Baltazar, Paul Eimar R.	Dec. 8, 2024
CPE31S2	Engr. Robin Valenzuela

This course focuses on managing enterprise servers within a DevOps framework. It teaches students the basics of running a DevOps environment on Linux servers, such as setting up and managing services, implementing monitoring tools, and using alerts based on standard practices. The course includes learning Ansible for configuration management and also using Git. It also introduces the idea of immutable environments through containerization and cloud services. The lessons are designed to simulate real-world challenges, which prepare students to handle issues in modern IT settings.

During the Prelim Period, we created GitHub accounts and set up Ubuntu as a control node. GitHub was a game changer for me, since it provided an organized way to manage codes, collaborate on projects, and also understand the importance of version control in real-world projects. We also worked on activities where Ubuntu served as both a control node and a managed node.

In the Midterm Period, I gained hands-on experience with Ansible and playbooks. Installing, configuring, and managing services like MIS and common workloads helped me see how these technologies support business operations. Learning about monitoring tools for availability, performance, and logs introduced me to techniques that ensure systems stay reliable and efficient. This period emphasized the importance of proactive system management and boosted my confidence with each task.

Finally, in the Final Period, we explored cloud services and Docker. Although Docker wasn't used extensively in the course, I grasped its purpose, how it works, and where it can be applied effectively. Learning about cloud services was equally exciting, as it showed how businesses use cloud platforms for flexibility and cost savings.

Overall, this course has been essential in helping me understand server management. It has not only given me valuable technical skills but also gained a mindset of continuous learning and adaptability, which I believe will be important in my future career.