California State University San Bernardino
School of Computer Science and Engineering

CSE 4820 Senior Project Presentation

Date

May 11, 2022

Time

4:00 pm

Location

https://csusb.zoom.us/j/82219258975

Title

Development Operations: Node Deployment

Student

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Advisor

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Abstract

This project will create a virtualized environment that simulates an environment used for development operations, or DevOps. As a result of the virtual environment, each component of the environment can be its own virtual machine, or node, that can be altered in ways physical machines cannot. Further, each terminal that would be accessed by a hypothetical team member would need to be configured in the same way, but with different credentials to ensure the security of the environment. As such, the purpose of the project is to create the development environment, then automate the creation of developer nodes.