

ELEE 3980U



Lab-3 (Kubernetes)

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1. Briefly summarize what you have learned about docker and Kubernetes including the used terminologies and their descriptions.

The lab got us familiarized with the working of docker images and Kubernetes to deploy and expose deployment pods and services. We used pre-existing images, made our own images on custom IP's and also worked on the same using yaml files. It showed us how we could implement the old BinaryCalculator system using a Docker image as well.

2. What are the advantages and disadvantages of using docker images?

Advantages Include:

Portable as we can make it work on any machine as it acts as a virtual. It is easily scalable making easier to handle workloads. These containers also use resources efficiently making everything smooth and fast and easy.

Disadvantages Include:

There are issues in networking and assigning different resources to different things.

This also has security concerns, a higher learning curve and a little limited support. Networking can be complex, especially when dealing with multiple containers and networks, which may require additional configuration and management.

YOUTUBE LINK: <https://youtu.be/AldxOImKoBI>

GITHUB LINK: <https://github.com/tanish1409/SOFE3980-Lab3>