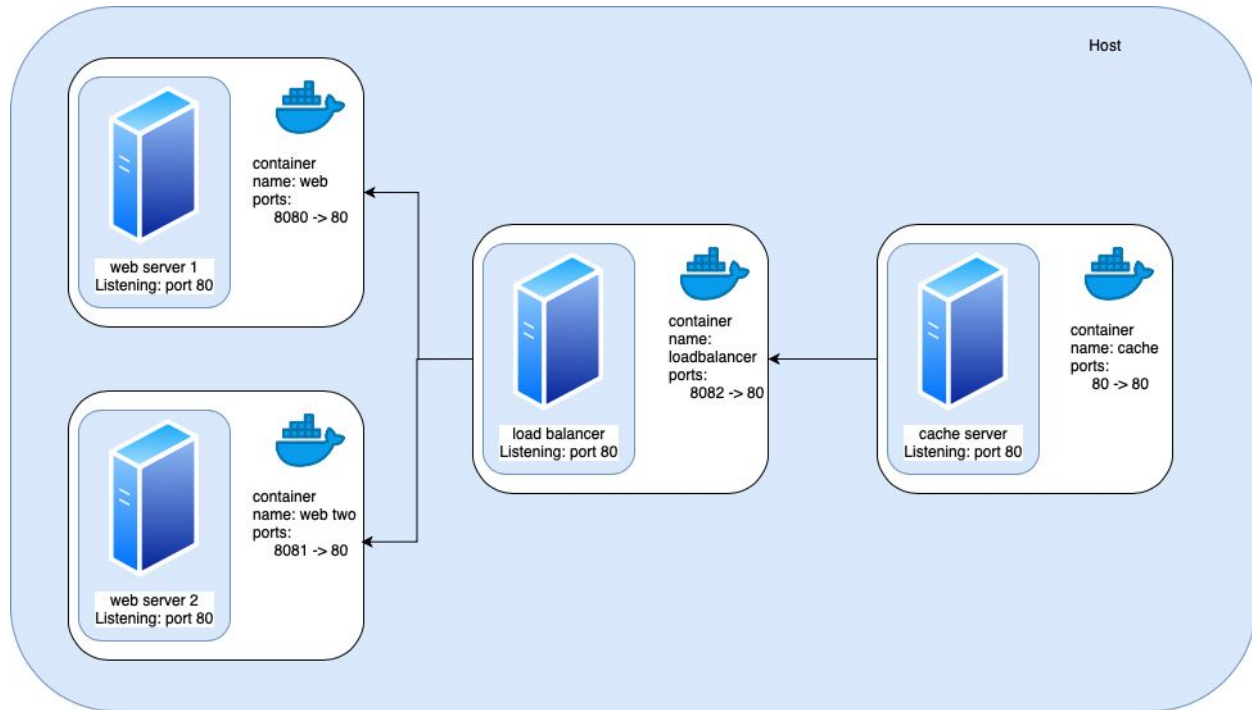


Michael Nee  
CSEC 380  
Homework 1  
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### Topology:



### Questions:

1. How did you select which technologies you would use? Do some of these work better in conjunction? Are some easier to use or deploy?

I decided to use Nginx since I had heard it is very popular in the industry, and so I wanted to get some experience with it. Since all the pieces were on separate servers I would say they didn't particularly work in conjunction with each other, but rather if you used the same technology some knowledge might transfer from one activity to another. It is hard to say if some are easier to deploy than others since I stuck with Nginx throughout, but I always find that ease of deployment typically correlates with the amount of documentation available, and since Nginx is so widely used there was plenty of documentation.

2. Discuss why you chose this topology and what the alternatives might have been. Lastly, include a discussion about why these technologies might be needed. At the same time, you may wish to discuss why the single text web page example we just created might not need all the complexity we developed.

I chose this topology since we are using it at a small scale. This design works best in small scales since for low traffic a caching server should be able to handle the brunt of the usage. If it were implemented at a larger scale you may need a load balancer in front of multiple cache servers. I also believe that for our purposes, serving a static html page, this topology may have been overkill since it is quick and easy to serve, and in such small quantities of visits neither a cache or load balancer were needed let alone both.