Lab – Week #4

1. Create 5 nodes using docker-machine, or play-with-docker
2. Print their IP addresses (1 mark)
3. Create a swarm that has 1 manager nodes and 4 worker nodes, print the details of the nodes. (1 marks)
4. Upgrade one of the worker nodes to be a manager node and print the details (1 mark)
5. Create a service to run ngnix web server and test it (1 mark)
6. Install the visualizer and show how the swarm adapts to removing one of its nodes. (1 mark)
7. Deploy the docker stack to run the voting app example, and test it (1 mark)
8. Write a yml file to deploy a wordpress stack (wordpress at the frontend and MySql at the backend) with two replicas for Wordpress and 1 for MySql. Test it and show the results (2 marks).
9. Read [this article](https://vsupalov.com/difference-docker-compose-and-docker-stack/) and write down the differences between Docker Compose Docker Stack. (2 mark)

docker run -it -d -p 8080:8080 -v /var/run/docker.sock:/var/run/docker.sock dockersamples/visualizer

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