

# ASSESSMENT 1:

# Docker

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## COMP3004

### Advanced Computing and Networking Infrastructures

### 2022/2023

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## Introduction

200 words. Discuss: (about the tasks assigned, background information on Docker, Nginx, load balancing, and automation)

## Experiment and Setup

375 words. Discuss: (a systematic diagram and descriptions about the system designed, system setup steps to install relevant packages/dependencies (in shell scripts, e.g. install.sh), and some explanations)

## Automation Process

450 words. Discuss: (your written Dockerfiles, Docker Compose file, plus descriptions/explanations)

## Results and Discussion

375 words. Discuss: (evidence to show that the system works as you have designed/configured. This should include screenshots, plus descriptions/explanations, on e.g., load balancing and automation. Discussions should also cover what limitations are for the approaches taken)

## Conclusions

100 words. Conclusions here

## References

Word count not included. Harvard style