DOCKER
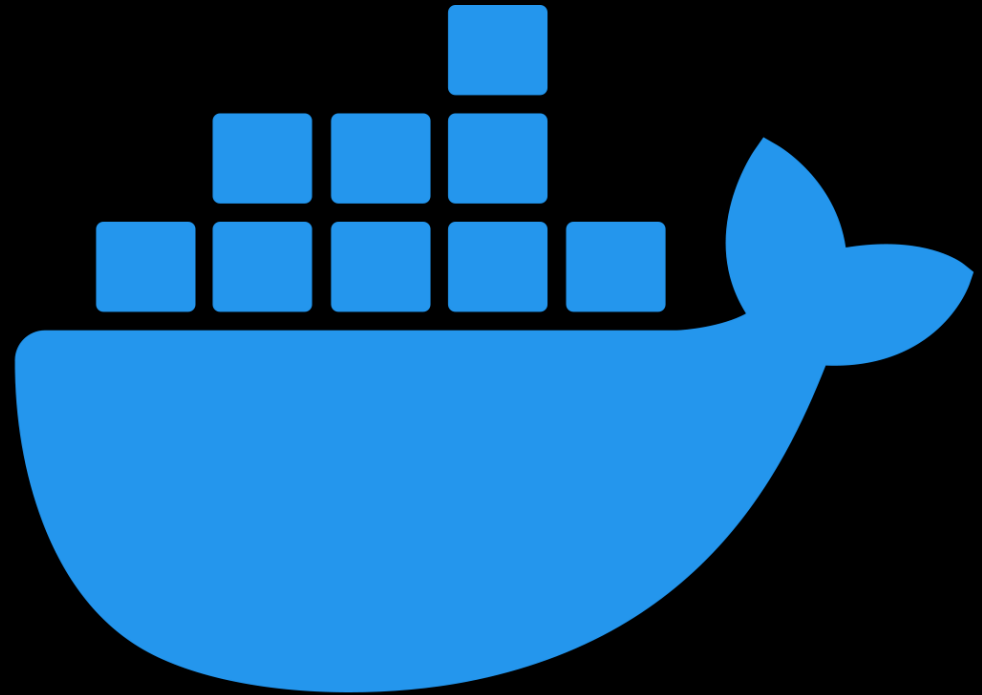
Team 2

WHAT IT IS DOCKER

Containerization Platform

Allows applications to be packaged into containers

These containers combine source code with OS libraries and any dependencies required to run the app

WHY USE CONTAINERS

Similar to a Virtual Machine, isolation of applications instead of whole operating systems

Multiple instances on one machine is possible

Easier and more efficient for continuous delivery

WHY USE DOCKER

Docker enhanced Linux containerization

Improved portability

More light weight than other containers

Automated container creation

Container versioning

Container reuse

Container libraries

MIGRATING TO DOCKER

- Outline the requirements of the application, GPU, CPU, Memory, connectivity, security

- Use Docker to build container out and then start migration
  - Choose base image
  - Get dependencies
  - Migrate files
  - Control access
  - Deploy