

# UFG Docker Presentation

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# Purpose

## Covered:

- ▶ Definition, why use, terms, and project
- ▶ Basic docker commands
- ▶ Pulling images and running them
- ▶ Basic networking
- ▶ Building your own images
- ▶ Docker Compose in a high level

## Not Covered:

- ▶ Advanced networking (e.g. host, etc.)
- ▶ Security (e.g. using kata, firecracker)
- ▶ Docker-Compose in detail

## Resources

- ▶ Github Repo: <https://bit.ly/3qJtZOX>
- ▶ DockerHub Repo: <https://dockr.ly/344M828>

# Docker Definition

Docker is defined, by Microsoft [1] as:

*Docker is an open-source project for automating the deployment of applications as portable, self-sufficient containers that can run on the cloud or on-premises.*

## Why use Docker?

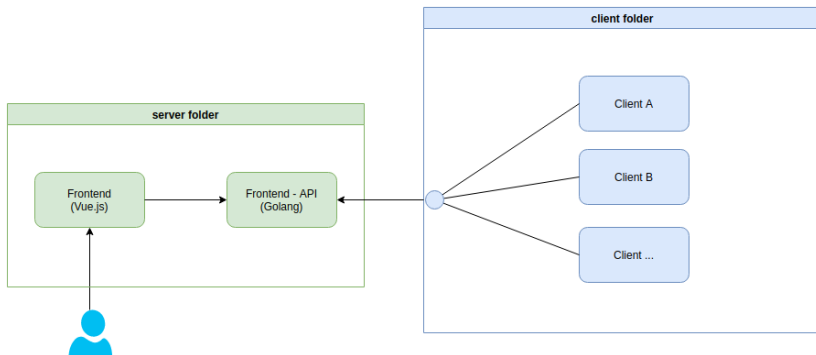
There are three main ways that Docker can benefit you, both at home, and in the enterprise:

- ▶ **Testing** - The ability to test software
- ▶ **Consistent Deployment** - Same “image” used in QA, Prod.
- ▶ **Simplified Development** - Less local dependencies, easier to spin up infrastructure.

# Terms/Assumptions

Please see XX-UFGHandout.pdf

# Project Description



# Demo

- ▶ *Questions?* - Especially at a high level
- ▶ **Demo** - Commands will be demonstrated here