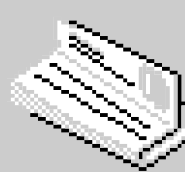
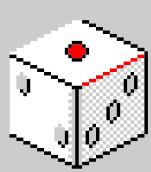
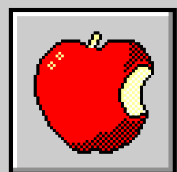


# Final Presentation



Desire A, Driane P



11:11PM



# What is Docker

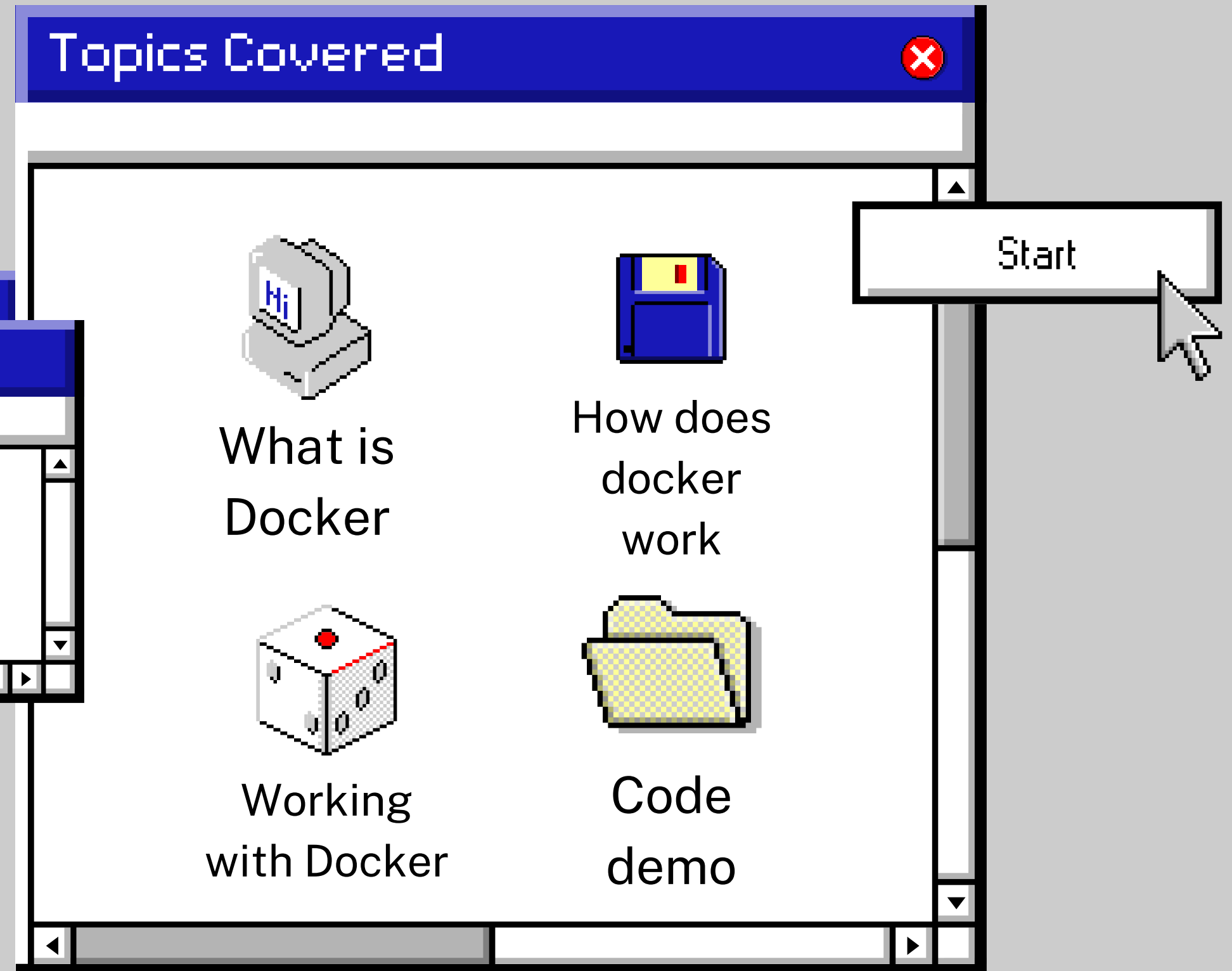


[Back to Agenda Page](#)



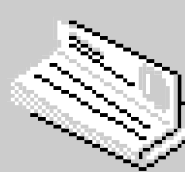
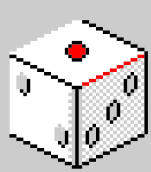
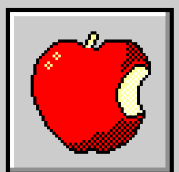
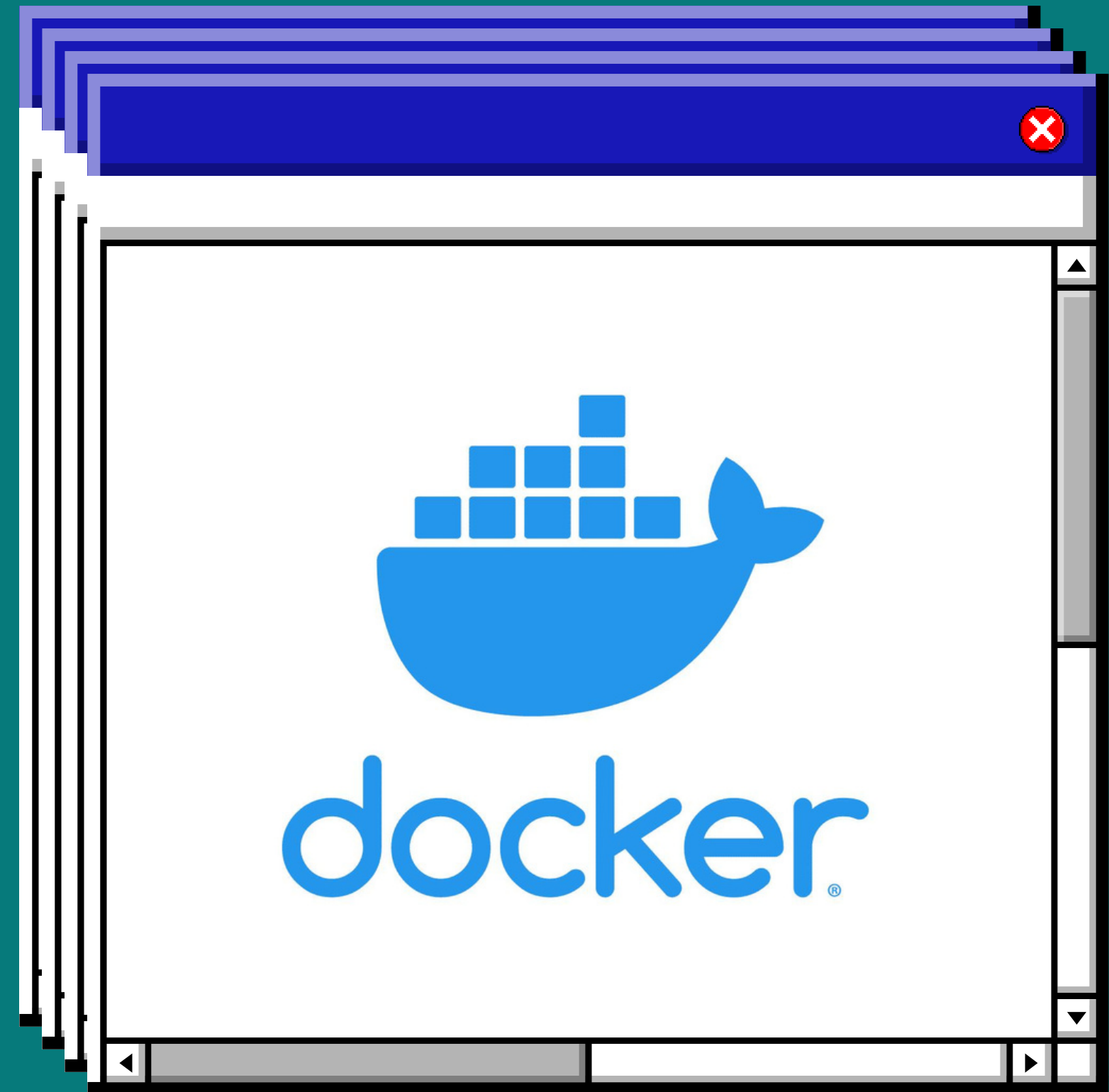
**Tip:** Use links to go to a different page inside your presentation.

**How:** Highlight text, click on the link symbol on the toolbar, and select the page in your presentation you want to connect.



# Docker

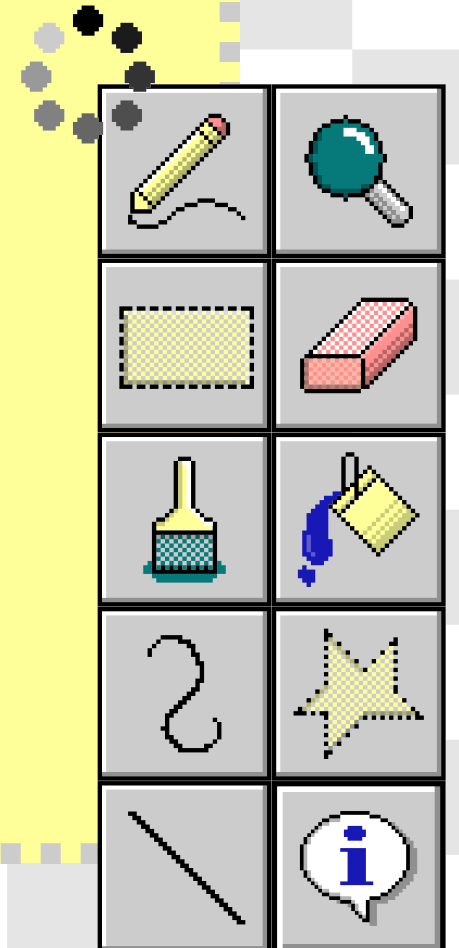
Docker is an open platform for developing, shipping, and running applications. Docker enables you to separate your applications from your infrastructure so you can deliver software quickly. With Docker, you can manage your infrastructure in the same ways you manage your applications





# Why use Docker instead of a VM?

[Back to Agenda Page](#)

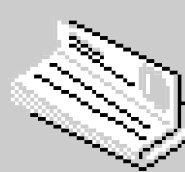
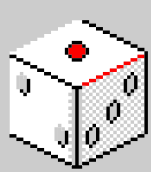
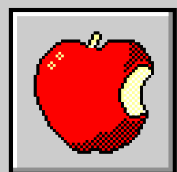


# Virtual Machines



# vs

# Docker



[Back to Agenda Page](#)



# How does Docker work?

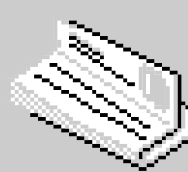
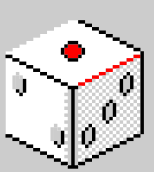
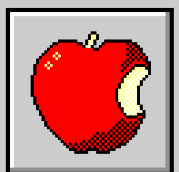
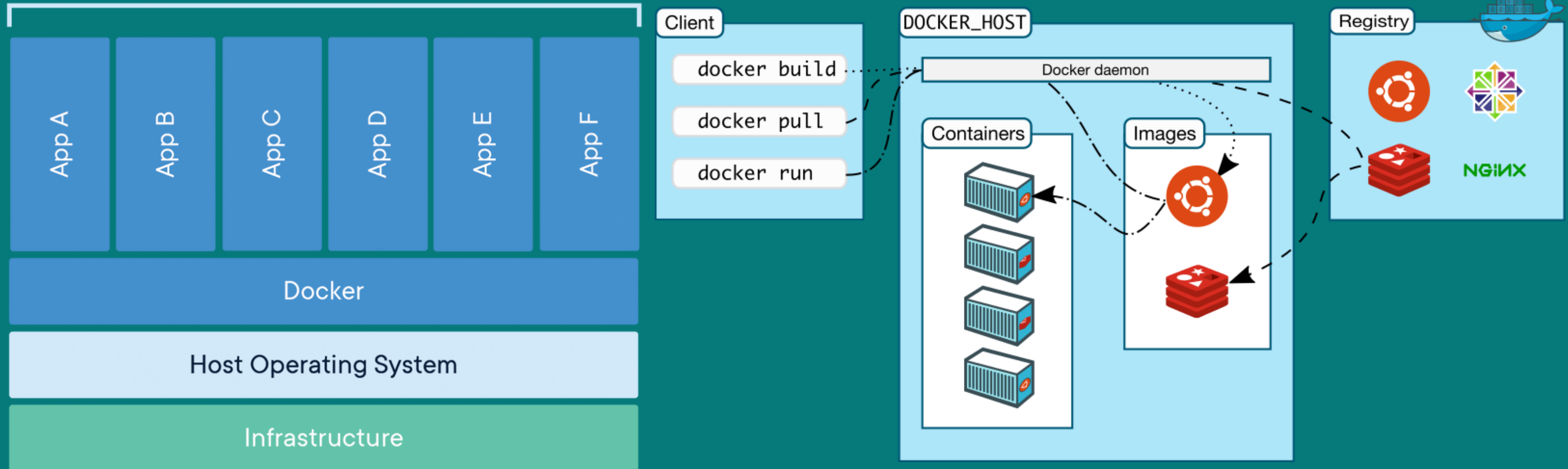


[Back to Agenda Page](#)



# How Docker Works

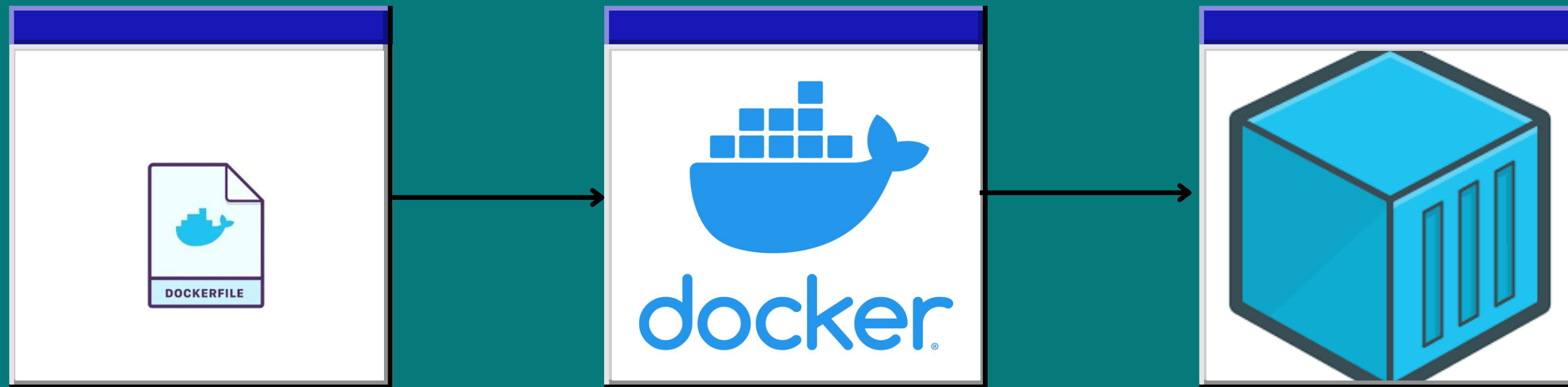
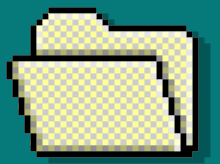
## Containerized Applications



[Back to Agenda Page](#)



# How Docker Works



## Dockerfile

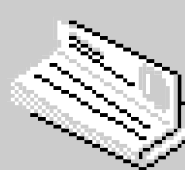
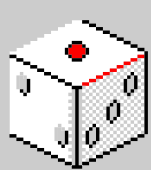
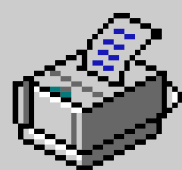
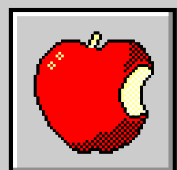
A text document that contains all the commands a user could call on the command line to assemble an image

## Image

a file used to execute code in a Docker container. Images become containers at runtime

## Containers

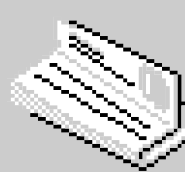
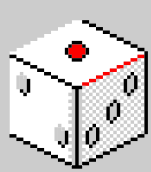
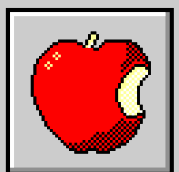
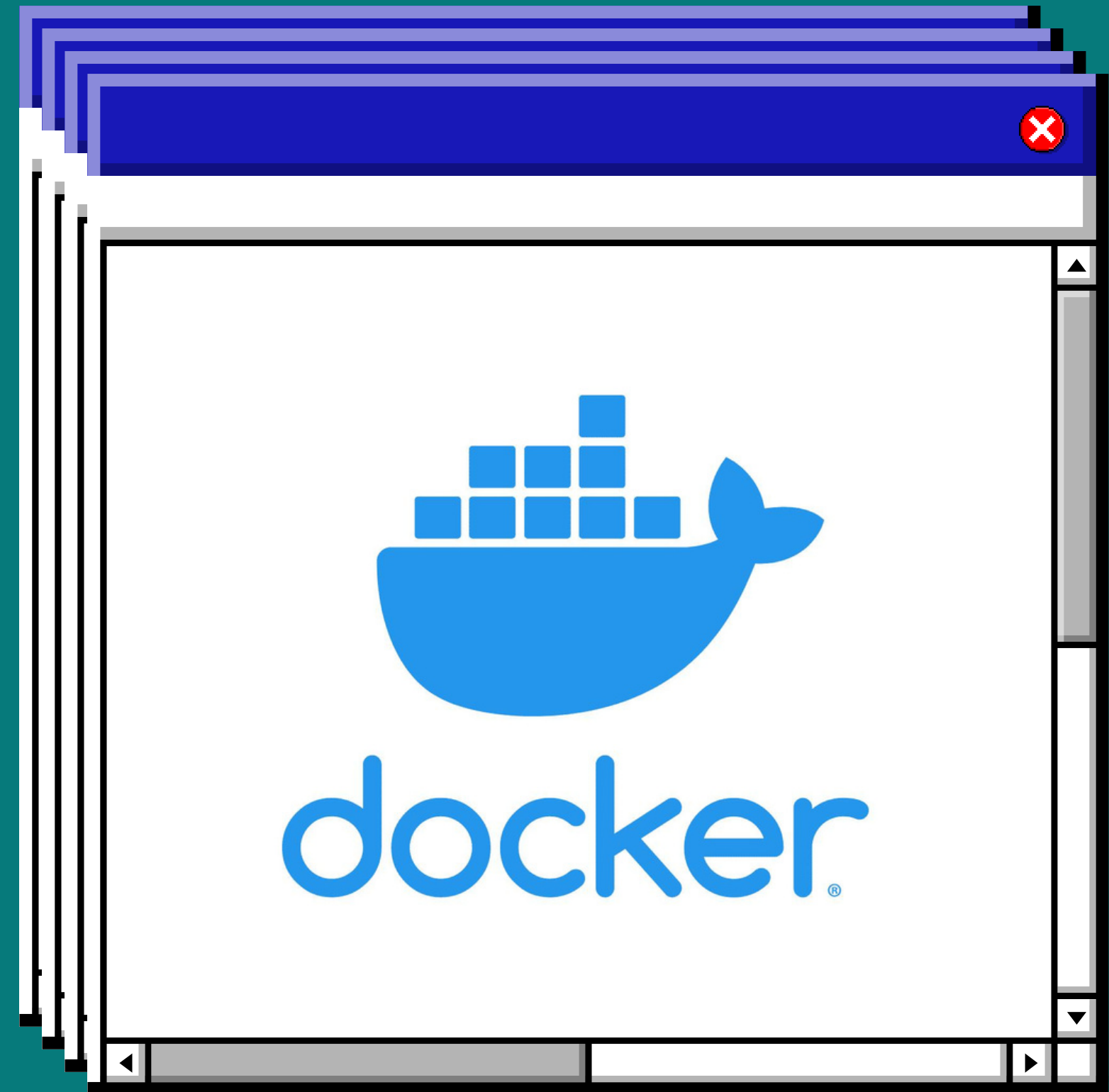
A Docker container image is a lightweight, standalone, executable package of software that includes everything needed to run an application



[Back to Agenda Page](#)

# Advantages

- Docker provides the ability to package and run an application in a loosely isolated environment called a container. The isolation and security allows you to run many containers simultaneously on a given host
- Improves ability for team to share environments that are consistent.
- Quick and easy to configure applications





# Setting Up Docker

[Back to Agenda Page](#)

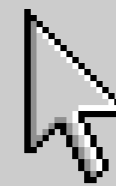


# 1

Download Docker  
Desktop and enable  
hyper visualization

# 2

Run Docker --version  
on cmd to ensure that  
it was installed  
properly

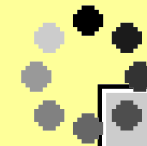


# 3

Get started with  
staging your first app



Code demo



[Back to Agenda Page](#)

