ROBERT JENSEN
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Containers - Where to start

And where it might take you

ABOUT

Robert Jensen
12f.dk
Cloud Native Consultant

- Cloud Native Copenhagen Organizer
- KCD Denmark Organizer
- X VMware Tanzu Specialist
- X VMware Cloud Management Specialist

Agenda

Containers

Git, CI/CD etc.

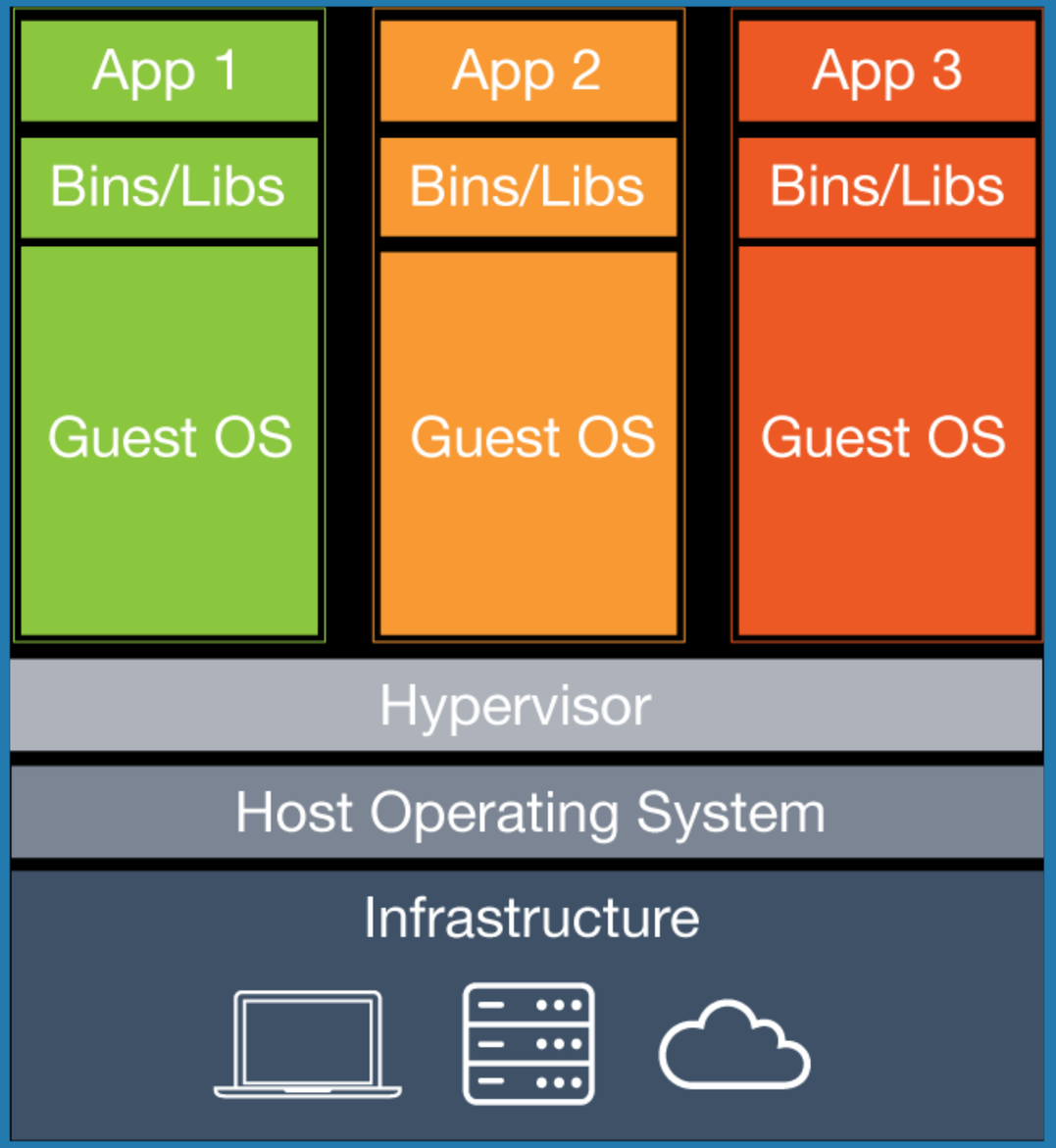
Demo

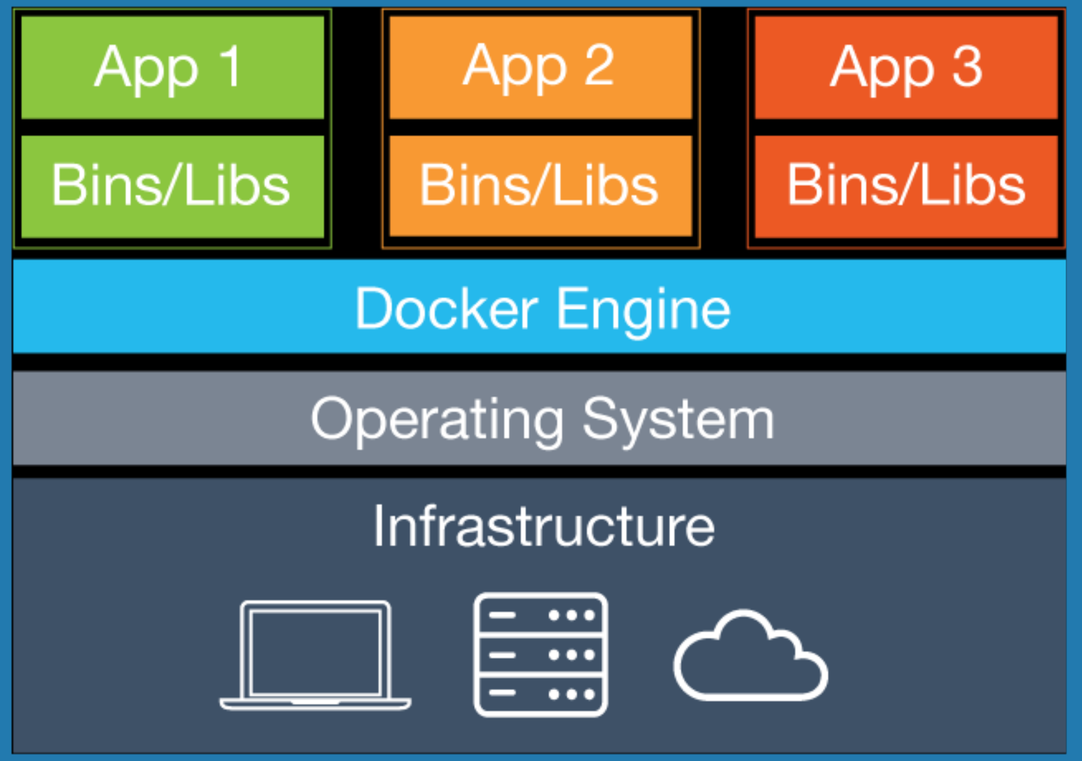
Containers in the enterprise

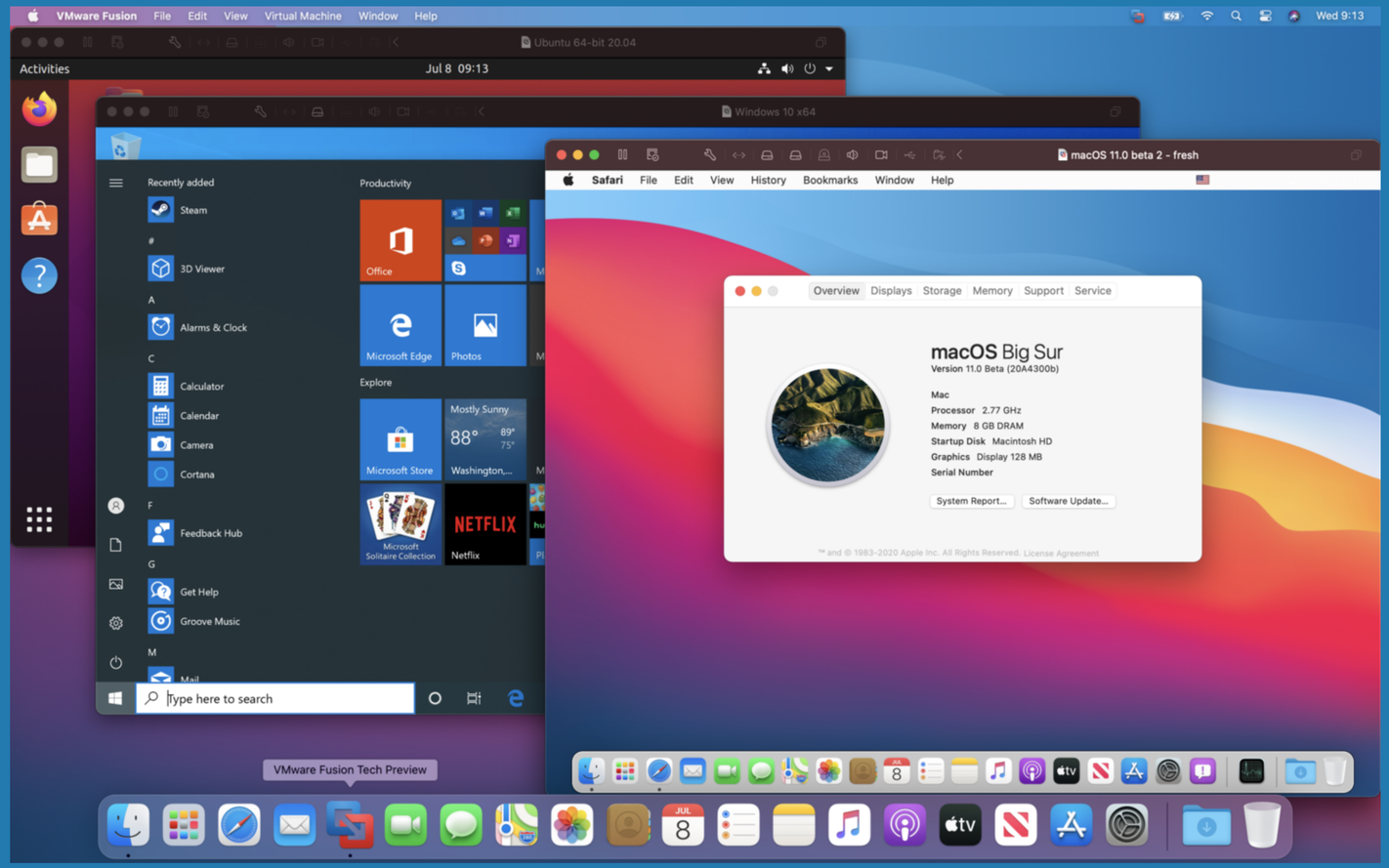
Demo

HOW EFFICIENT DO YOU PACKAGE YOUR APPLICATIONS ?

Containers


App 1
Bins/Libs
Guest OS
App 2
Bins/Libs
Guest OS
App 3
Bins/Libs
Guest OS
Hypervisor
Host Operating System
Infrastructure


App 1
Bins/Libs
App 2
Bins/Libs
App 3
Bins/Libs
Docker Engine
Operating System
Infrastructure



Dockerfile

```
# Use an official Ubuntu base image
FROM ubuntu:latest

# Set environment variables
ENV DEBIAN_FRONTEND=noninteractive

# Install Python and pip
RUN apt-get update && apt-get install -y \
    python3 \
    python3-pip \
    && rm -rf /var/lib/apt/lists/*

# Create a directory for the app
WORKDIR /app

# Copy the requirements file and install dependencies
COPY requirements.txt /app/requirements.txt
RUN pip3 install -r requirements.txt

# Copy the rest of the app's source code
COPY . /app

# Set the default command to run the web app
CMD ["python3", "app.py"]

# Expose the port that the app will run on
EXPOSE 5000
```

GIT
CD/CD

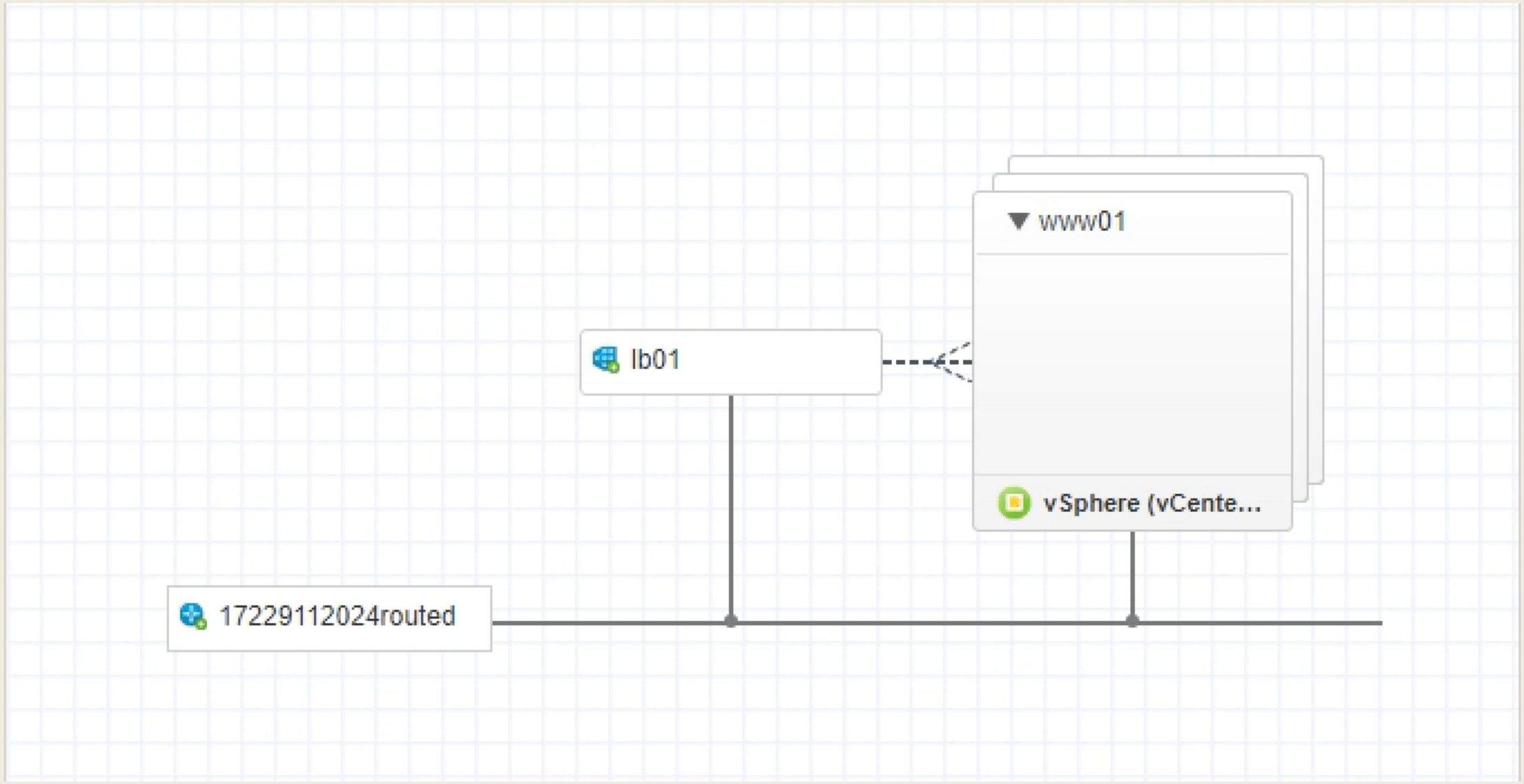
GitHub

A vast platform reshaping how developers collaborate on projects by offering essential tools for version control, issue tracking, and code review.

docker

DEMO
LOADING...

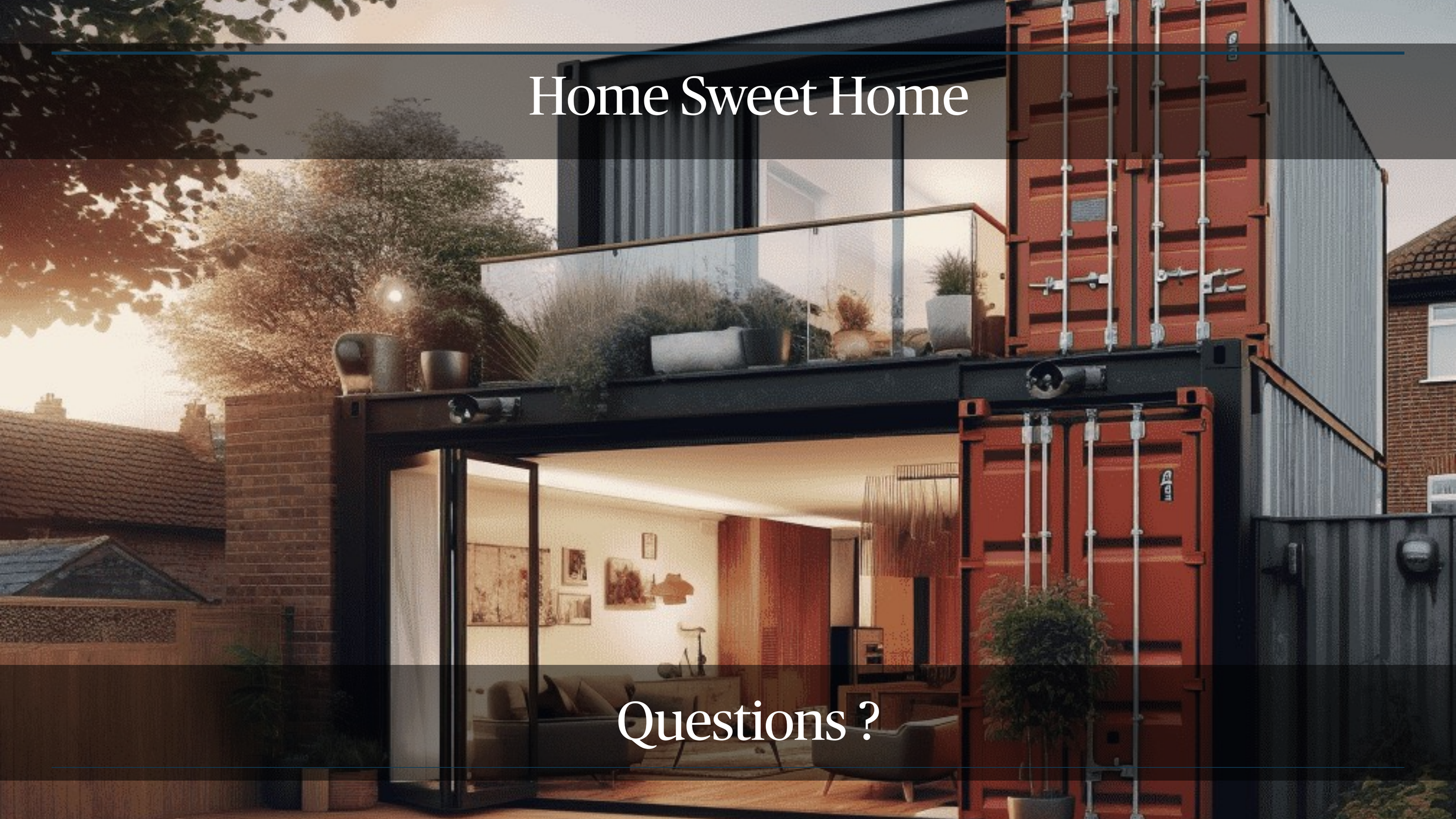
Enterprise


www01
lb01
vSphere (vCente...
17229112024routed

DEMO
LOADING...

Test it :-)

Home Sweet Home



Questions ?