

# Application Design and Build for CKAD

## Creating and Managing Container Images



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# Course Introduction

**Creating and managing container images**

**Choose the right workload**

**Design multi-container pods**

**Use volumes for storage**

**Demos**





**Steve – Developer at Globomantics**





**New to Kubernetes**  
**Makes common mistakes**  
**Learns the hard way**



# Avoid Steve`s Mistakes on Your Kubernetes Journey

Learn best practices

Build Kubernetes confidence

Get ready for CKAD





# The Role of Container Images in Kubernetes



# What Is a Container Image?



**Code**

**Dependencies**

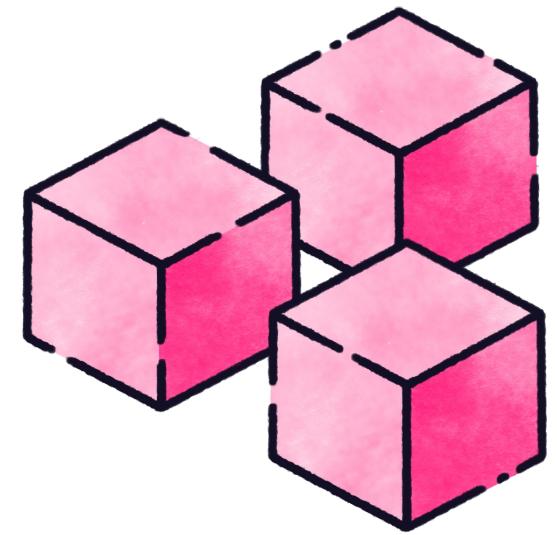
**Config**

**Lightweight OS layer**

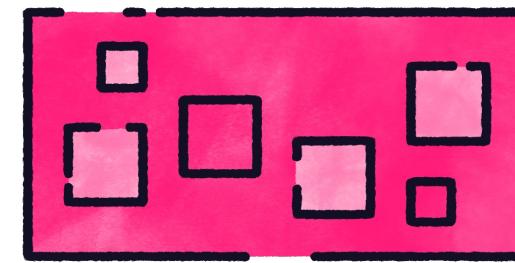


# Why Images Matter

Images affect startup, memory, security and build the foundation of every Kubernetes pod



Pods



Container



Image

