

# C4 Model

**Game Time**

**Architecture Is In Our Heads**

# Why

**When you try to share a system architecture, what will you do?**

- Mess of boxes and lines
- Mixed abstractions
- Ambiguous Naming
- Unlabelled relationships
- Inconsistent notation
- Missing technology choices

**"Good software architecture diagrams help to align everybody's understanding"**

– Someone

# What C4 Model

- Context
- Container
- Component
- Code

## Abstraction-First

Different levels of detail, telling different stories to different types of audience



# How

## Level 1: A System Context diagram [low-level details]

Provide a starting point, showing how the software system in scope fits into the world around it.

### **Intended audience:**

Everybody, both technical and non-technical people, inside and outside of the software development team.



# How

## Level 2: A Container diagram

Zoom into the software system in scope, showing the high-level technical building blocks.

### **Intended audience:**

Technical people inside and outside of the software development team; Including software architects, developer and operations/support staff.

# How

## Level 3: A Component diagram

Zoom into an individual container, showing the components inside it.

**Intended audience:**

Software architects and developers.

# How

## Level 4: A Code diagram

Can be used to zoom into an individual component, showing how that component is implemented.

### Intended audience:

Software architects and developers.

# When

## When to use C4 Model

- Up-front design in inception
- Retro/introduce existing project
- Onboarding new staff

# Practice

**Please introduce us your former project in 5 mins?**

**Q & A**

**Thank you!**