

# Axis and Androids

EDA040

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# Introduction

What is **Axis** and **Androids**?

But, what **does** it do?

Why should I **buy** it?

The **Fun** Stuff™ (aka **Specifications**)

**Demonstration**

The **Ballmer** Peak



# What is Axis and Androids?

- A surveillance suite
- Real-time concurrent streaming of images
- Android client
- Desktop client
- Super lightweight embedded HTTP server



# But, what does it do?

- Connect to web camera servers
- Stream images to client
- Motion detection, synchronization, idle/movie mode
- Multiple cameras (+2!)
- Desktop and mobile device client



# Why should I buy it? BUZZWORDS

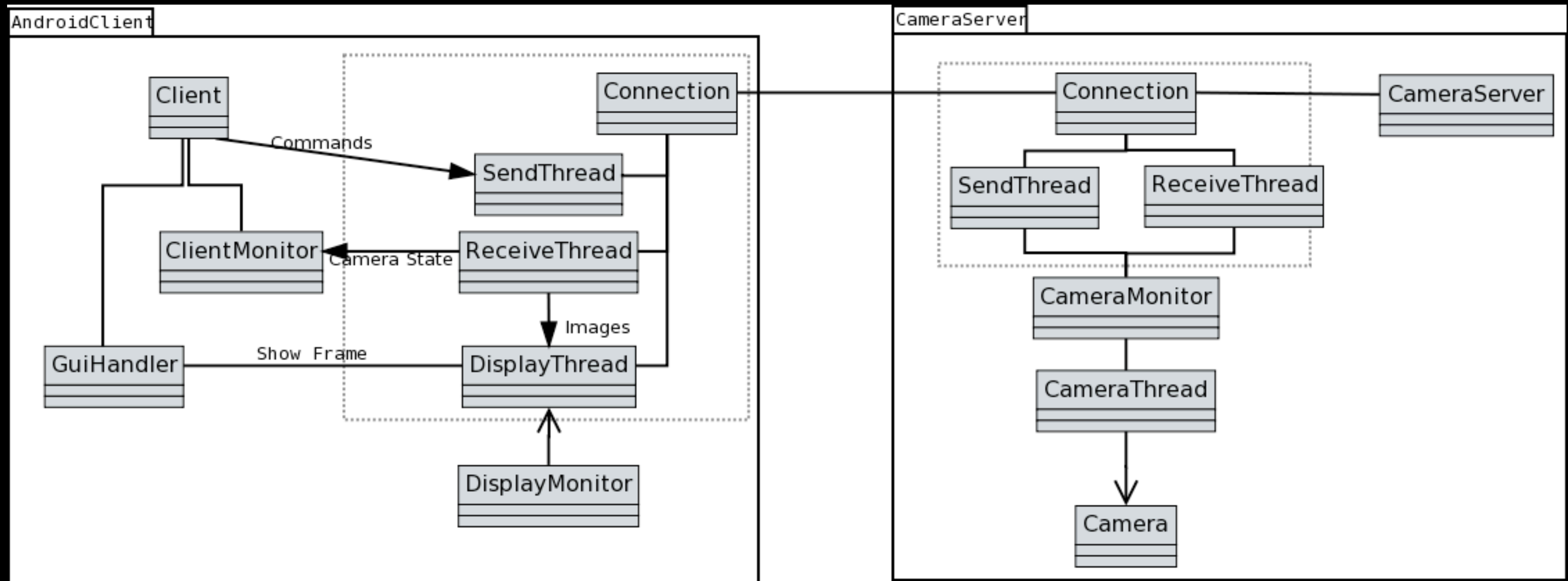
- REAL-TIME
- CONCURRENT
- STREAMING
- SERVER/CLIENT
- ANDROID
- DESKTOP
- JAVA
- MULTIPLE THREADS
- MONITORS
- SYNCHRONIZATION
- DESIGN PATTERNS
- OPEN SOURCE



# The Fun Stuff™ (aka Specifications)

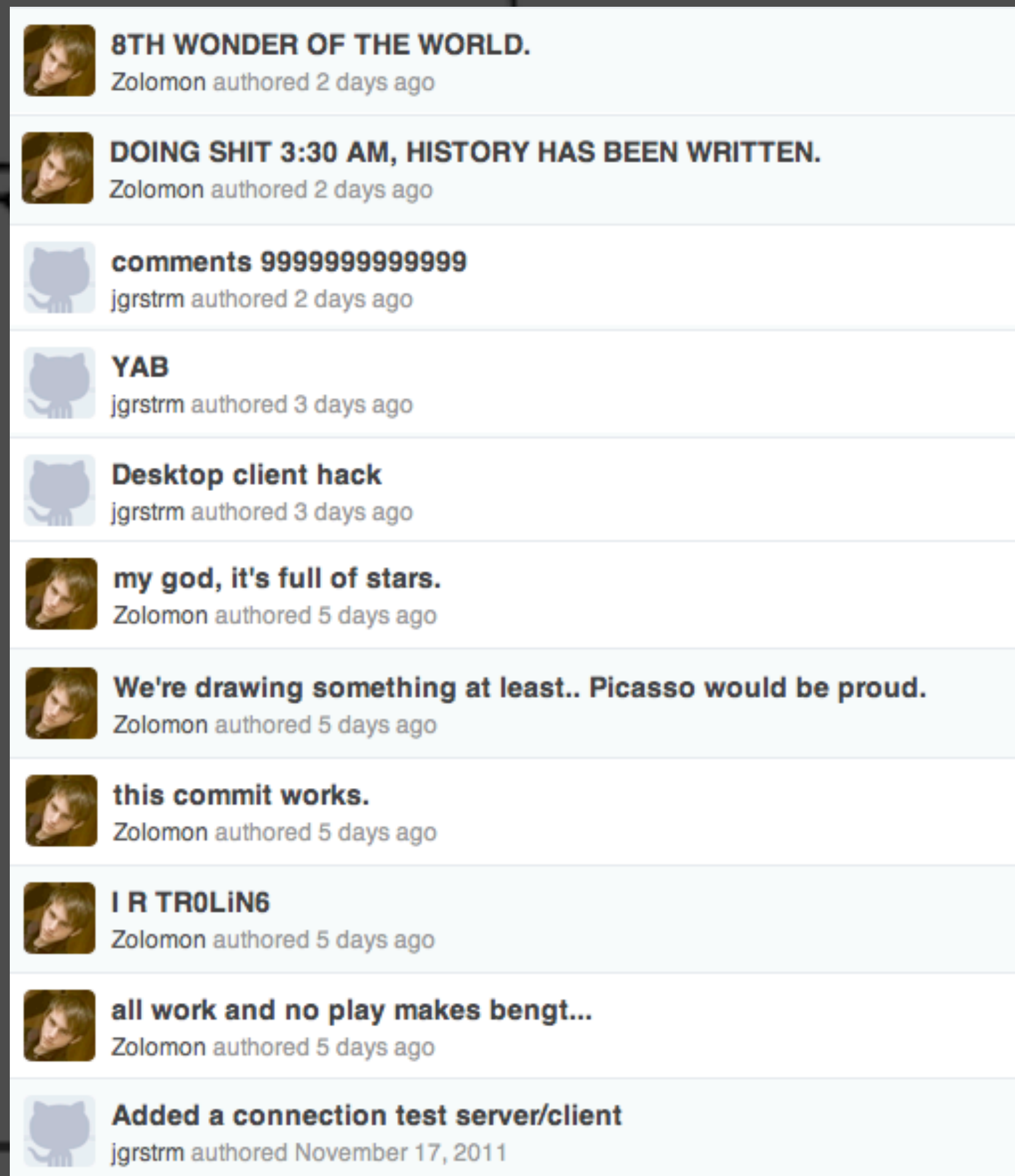
- Java 6 compatible
- Runs on Android > v2.3.3
- 45 java files @ 3718 LOC
- Available at <http://github.com/Zolomon/AxisAndAndroids>, fork it!
- Uses TCP to communicate between client/server

# Essential Design





# The Ballmer Peak



## Some pro tips:

- Do not program 3:30 AM
- Don't drink too much coffee
- Eat properly!
- Maintain an active lifestyle
- Lack of communication is the root cause to most problems
- Don't try to learn Android SDK in one week

(No alcohol was consumed during this production)