

GlassFish 4 on Ubuntu Touch

Adventures in Hacking JEE on a phone

Mike Croft





GlassFish on Ubuntu Touch

INTRODUCTIONS



Who Am I?

- C2B2 Expert Support consultant
- Fan of anything bleeding-edge
- Snowboarder
- @croft



Who are you?





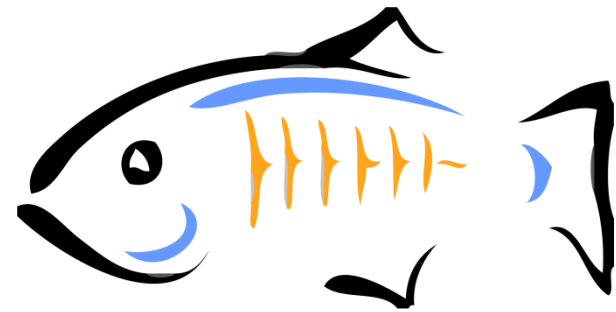
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WHAT ARE WE DOING AND WHY?



What are we doing?

- Putting the full Java EE reference app server on a phone
- Getting it to run
(successfully)
- Testing performance



ubuntu 

Why are we doing it?

- “Because it is there”
- Because Java EE does not automatically mean heavyweight!
- Ubuntu Touch really is a convergent device!
- Smartphones are now ultra low power PCs!



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HOW DO WE DO IT?



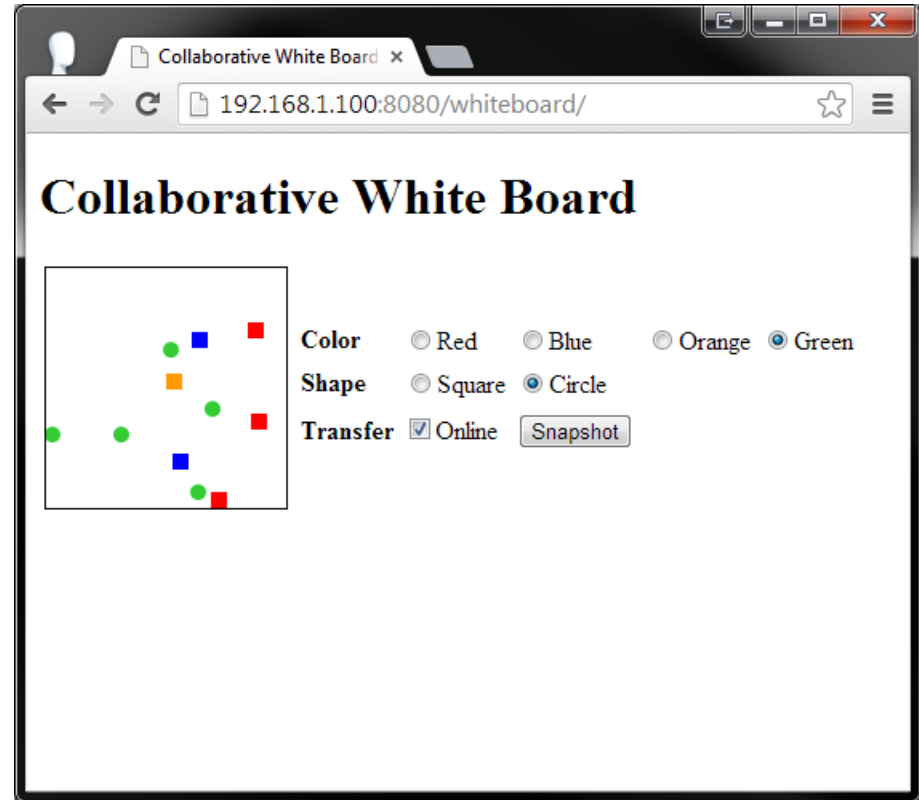
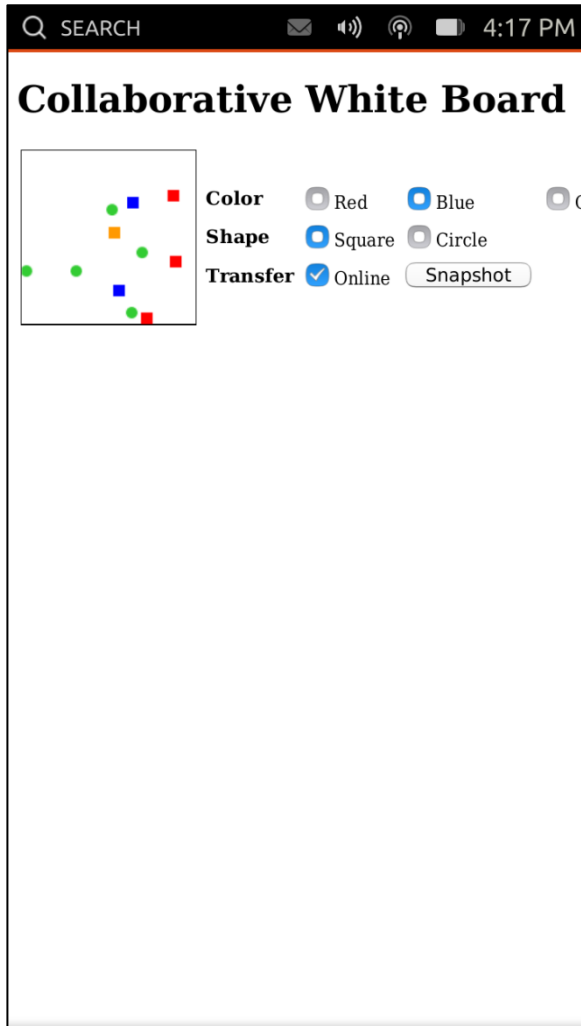
How do we do it?

Demo Time!

Sort of...



Demo – Plan B





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CAN WE MAKE IT BETTER?



Performance

- Tune the server
- Design for performance
- It's still only a phone!
(don't expect miracles!)



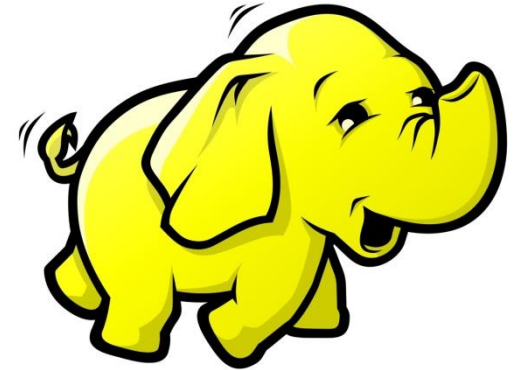
Monitoring

- LightFish
 - REST based (by Adam Bien)
- New Relic
 - Agent based



Distributed Computing

- Map/Reduce
- Data grids



ORACLE[®]

Coherence





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WHAT IMPLICATIONS DOES THIS HAVE?

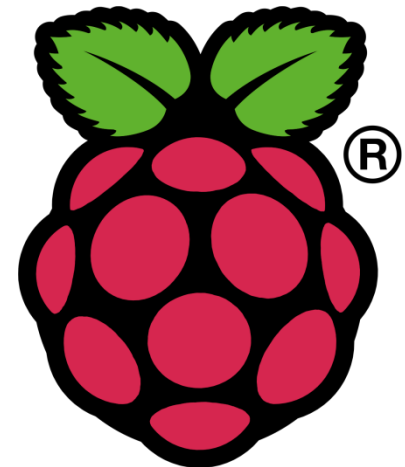


What implications does this have?

- Why is your old Nexus sat gathering dust?
- Are you sure your GlassFish really needs all those resources?
- What could you do with the full Java EE stack in your pocket?

What implications does this have?

- Internet of Things
- “Wearables”
- Other limited-resource platforms?



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RECAP



Recap

- Phones are pretty awesome
- Canonical has an interesting vision
- Challenges of seriously tiny environments
- Advantages of tiny environments!



Key Considerations

- Performance
 - What do you need?
- Monitoring
 - Can you tell if your needs change?
- Distributed computing



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Any Questions?

