

JUDCon

JBoss Users & Developers Conference

London:2011

Android and OpenShift / Google App Engine: a perfect fit!

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JBoss Users & Developers Conference JUDCon2011:London

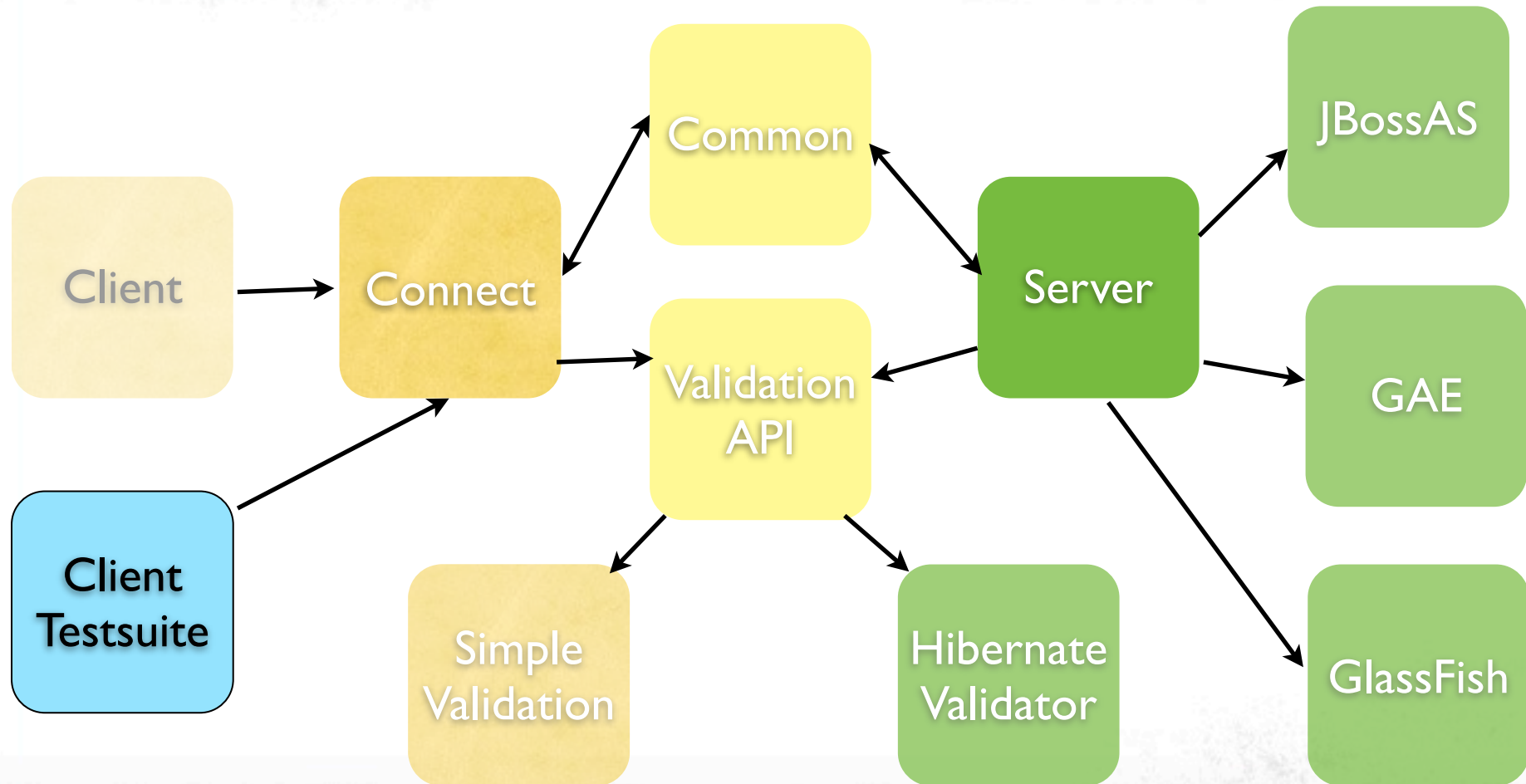
Agenda

- Background of this talk
- Project modularization
- Tips and tricks
- Q&A

Background

- Buzzing ...
 - Android
 - prototype application with server-side backend (X)
 - Google App Engine
 - JBossAS7 / OpenShift
- Simple client-to-server communication
 - JSON
 - Apache HttpComponents
- Scalable (and portable) server-side
 - **CapeDwarf Green**

Project modularization



Project modularization

- Common
 - Data (DTOs)
 - Environment abstraction
 - Android vs. testsuite vs. server-side
 - Serialization logic
 - Data annotations and utils
- Connect
 - ServerProxy handler factory
 - Feed an interface to the factory ==
Communication API
 - Primitive, JSON, streaming

Project modularization

- Validation API
 - JSR-303 based
 - Client vs. server-side impl
 - Simple impl on client, full Hibernate Validator on server-side
- Client-testsuite
 - Mock all app interaction
 - No need for Android emulator, etc
- Server
 - Using Java EE; CDI, JPA, JTA, ...
 - Abstracting away custom API
 - CapeDwarf Project

Tips and tricks

- (X) more detailed server “tricks” at my JUDCon talk
- Let’s go back to previous slides with more details
 - custom fine-grained server-side caching
 - simple SQLite ORM
- Running the tests
 - Diff server-side environments == diff configuration
 - App servers have bins already there
 - Web servers need those bins bundled
 - Bugz ...

Q&A

- CapeDwarf on GitHub
 - <https://github.com/capedwarf>
- Demo app available soon