

JavaFX for Business Monitoring a Container Terminal

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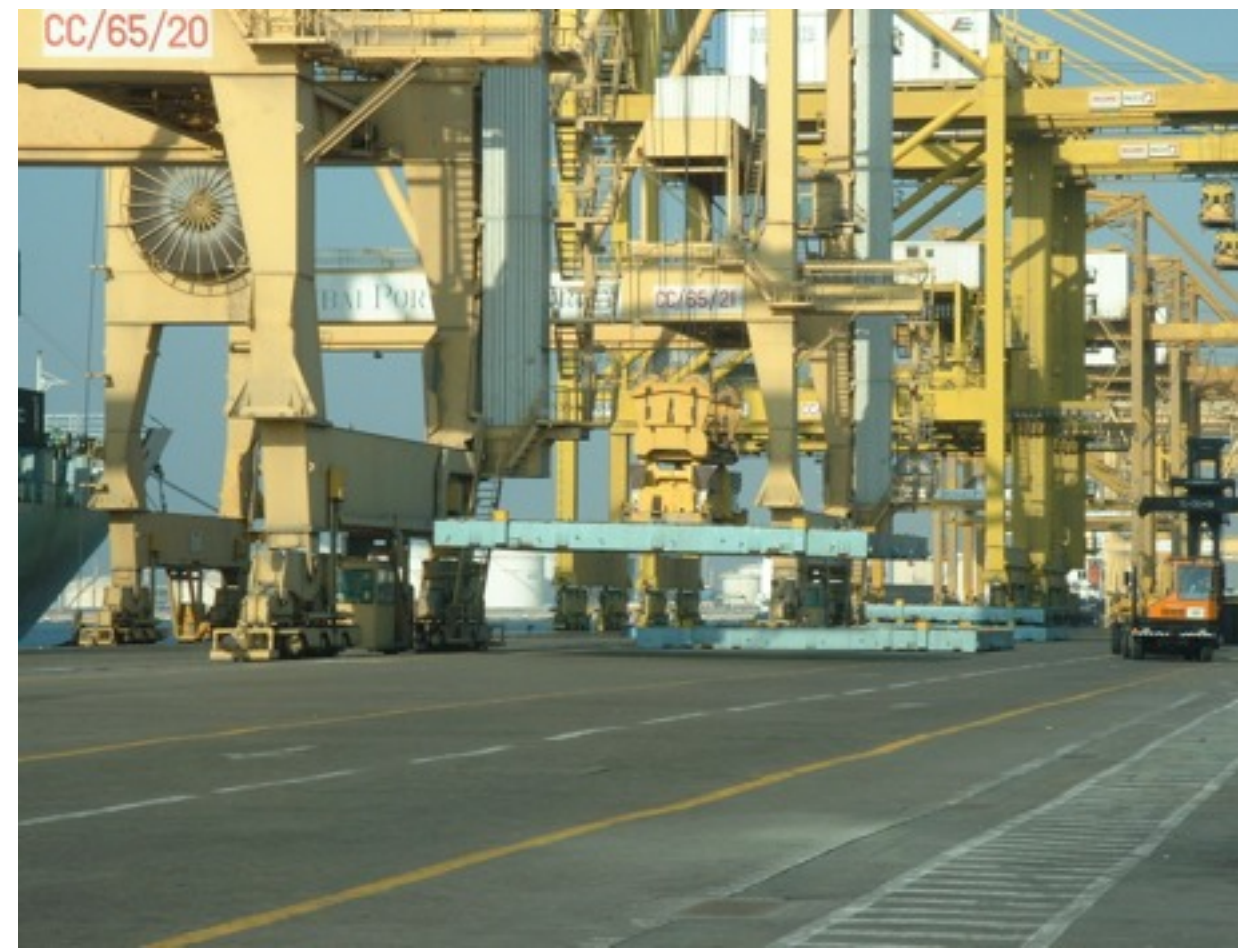
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The domain









Immersion



Demo

Engineering



Architecture

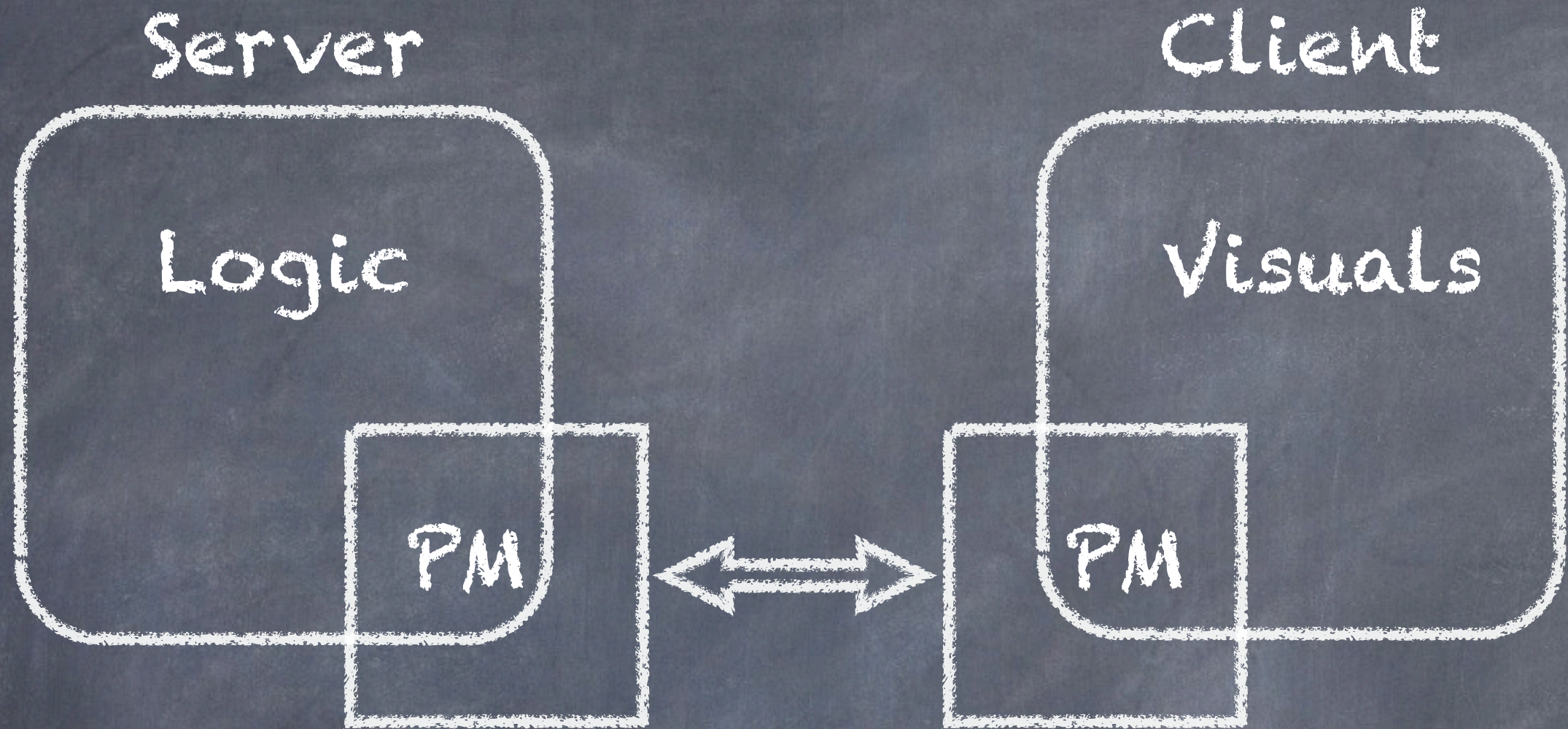
- ◉ Server
 - ▶ JavaEE
 - ▶ Grails, Hibernate

- ◉ Client
 - ▶ JavaSE
 - ▶ JavaFX
 - ▶ Griffon

- ◉ Remoting, Programming model
 - ▶ Dolphin

Dolphin

a short lecture



Remote Presentation Model

Responsibilities

- Server: what to display
- Client: how to display
- Server: business logic + presentation logic incl. workflow
- Client: visualize state + transitions

Collaboration

- PM state is synchronized by dolphin
- Communication follows the Command Pattern
- Client may send application-specific commands, e.g. on button pressed
- Server reacts through PM changes

Key effects

- Fully exploits native client capabilities, e.g. JavaFX
- Enforces clean structures
- Protects investment in application logic



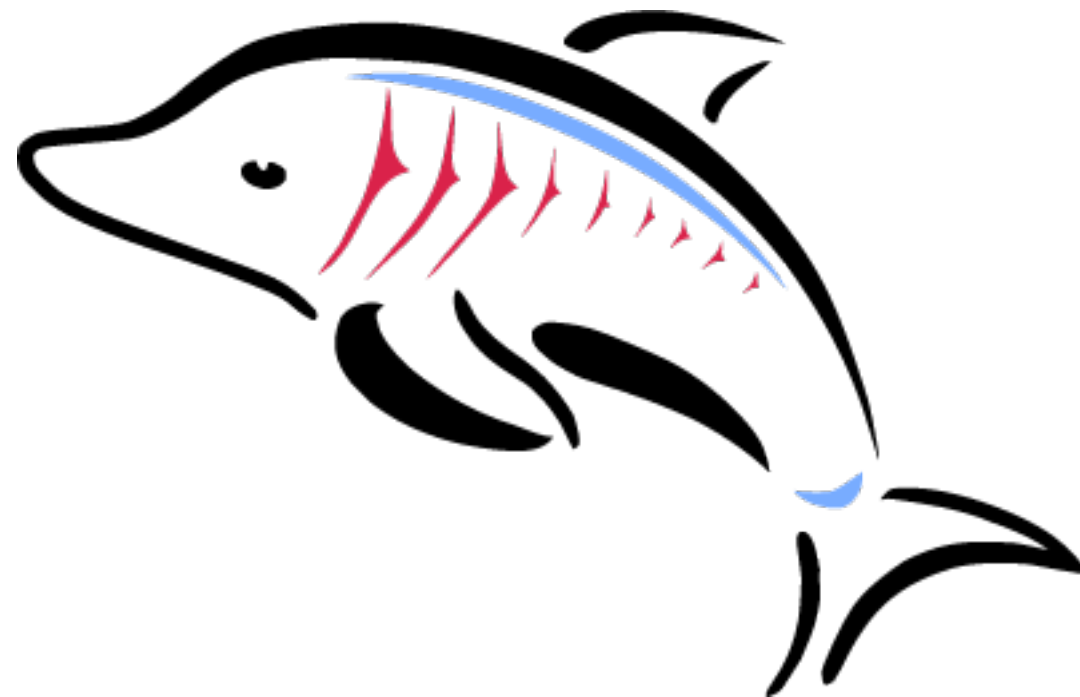
Demo

Swing logic on server
remote
JEE+JSE
Dolphin
structure
JavaFX
client fidelity
open
server
presentation model
low
RCP
migration
latency
safe
reliable
asynchronous
standard

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Discussion



github: open-dolphin
www.canoo.com