GoTM
Feedback from Fractal users

Fractal Workshop
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Outline

- GoTM Introduction
- Controller Mixin
- Fractal Monolog
- Fractal ADL v2
- Fractal RMI
- Fractal Browser
Controller mixin example

Objective

- Binding of components and template components
- Parametric factories

Implementation

- Defining an additional TemplateController mixin
- First return the template component itself
- Specified as a particular template controller

Quite easy when you are familiar!
Automatic binding of Monolog framework

- Log component bound to GoTM component
- Available log: Default Logger, LoggerFactory

It’s easy and transparent!

- Just implements ow.monolog.Loggable interface
- Logger prefix defined by component name
Fractal ADL 2

- Fractal-oriented definition of the OW Transaction API

- Using multiple inheritance of component type
  
  `<definition name="A" extends="B,C" />`

- Using template-controller tag for describing parametric factories

- Simplified/Leveraged XML syntax
Fractal RMI

- Implicit Distributed Personality
  - Based on OW Transaction API

- Remote administration
  - Remote and dynamic administration of GoTM
  - Browser on a different host

- Distributed Infrastructure
  - A transaction manager composed of distributed components
  - Optimization/Replication solution
Fractal controllers as Fractal components
- Configuration of controllers through the ADL
  - Lightweight Fractal components
  - JOTDF and Jironde frameworks

Fractal factories
- ADL description tagged as factories
  - Propagation of the tag to sub components

Propagation of controller interfaces
- Attribute controller
Current Status

**GoTM is an open Transaction Monitor**
- Free software (LGPL)
- [http://gotm.objectweb.org/](http://gotm.objectweb.org/)

**Library of Transactional Components (Fractal 2.0)**
- Generic components (transaction, coordination, resource, …)
- Personality components (JTA, …)
- Integration components (JOTDF, Jironde, …)

**Tools for**
- Designing (Fractal GUI)
- Assembling (Fractal ADL)
- Administrating (Fractal Browser)
- Distributing (Fractal RMI)

http://www.objectweb.org
Feedbacks

- **Powerful component model**
  - Really extensible!
  - Application benefit of the evolution of the component model
  - A solution for integration of systems
    - … <==> Browser <==> GoTM <==> Monolog <==> …

- **Need more and more documentation**
  - Technologies inside (mixins, …)
  - Component methodology

- **More and more dynamic!**
  - Controllers
  - Components
GoTM Admin Tool

- Fractal Component Model
- OW Transaction API
- GoTM components composition
- Managed by the Browser framework (with the basic Fractal plugin)

http://www.objectweb.org