



Developing Modular Web Applications with Spring

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Agenda



- Hands-on session
 - ZEPO style
- Overview of development stack
- Overview of deployment environment
- Reference architecture

Development - Spring



The Spring Web Stack

Spring Faces

Spring
BlazeDS Integration

Spring
Web Flow

Spring
JavaScript

Spring Security

Spring Framework and Spring MVC

Development - OSGi



- Dynamic module system
- Component model that allows you to define modules called “bundles”
 - Each bundle has its own lifecycle (installed, started)
 - Each bundle has its own version (1.0.0, 2.0.0)
 - Each bundle can import types from other bundles
 - Cannot see anything else
 - Each bundle can export other types and services
 - Other bundles cannot see internals
- Spring used to configure internal structure of a bundle

Development - Tools



- SpringSource Tool Suite IDE
 - Complete Spring and OSGi tooling
 - Features like
 - New project wizard
 - Visual bean editors
 - Views by @Component
 - @RequestMapping visualization
- Maven Build Automation

Deployment: SpringSource dm Server™

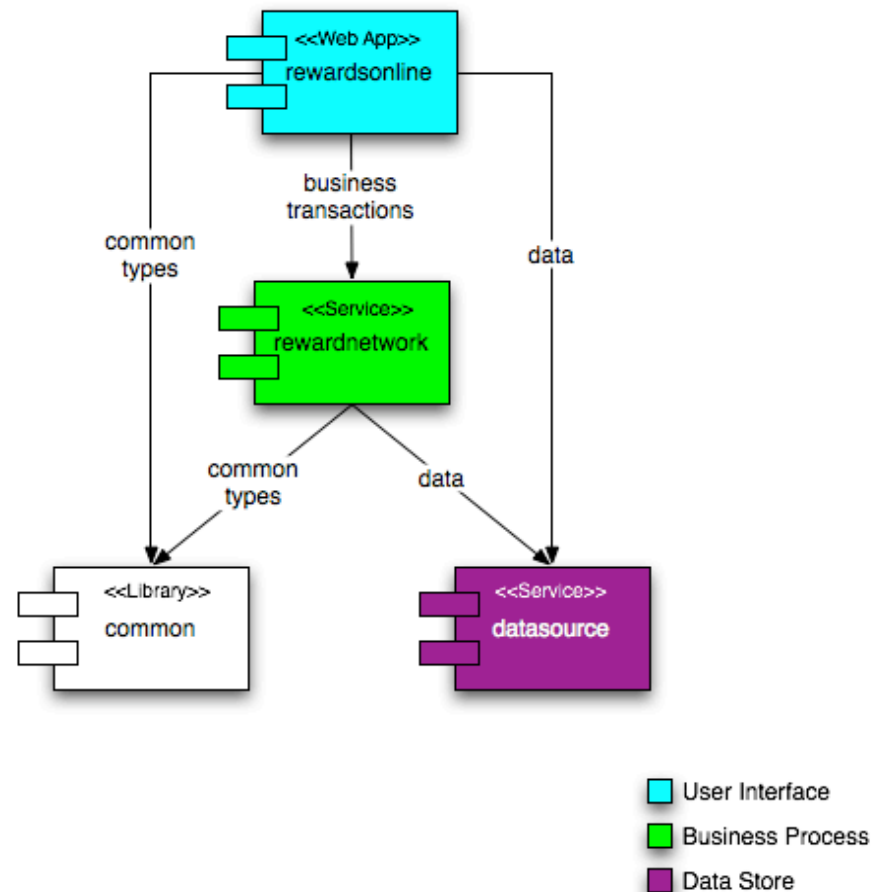


- Next-generation application server platform built on an OSGi™ foundation
 - www.springsource.com/products/suite/dmserver
- Deploy fine-grained, modular applications
 - Run shared libraries, services, web applications
- Start, stop, deploy, un-deploy modules independently
- Manage multiple versions without conflicts
- Reduce memory-footprint
- Get greater app serviceability, manageability

Reference architecture - Financial Reward Network



Reward System Architecture



Questions?

