



OSGi Alliance Community Event

**DysoWeb Platform
Modularity to the WEB
Pierre Dubois / REQUEA**



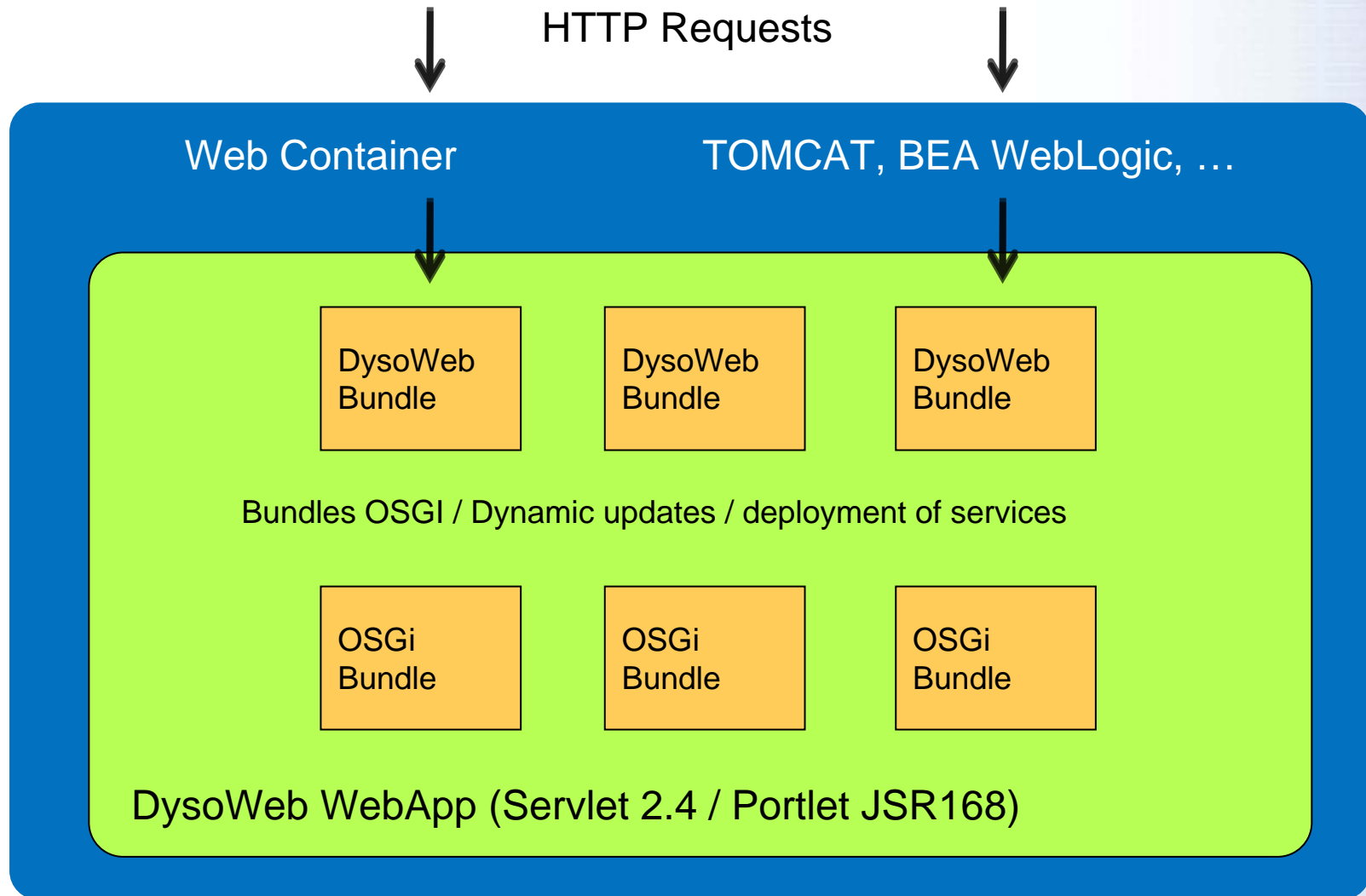
Why DysoWeb?

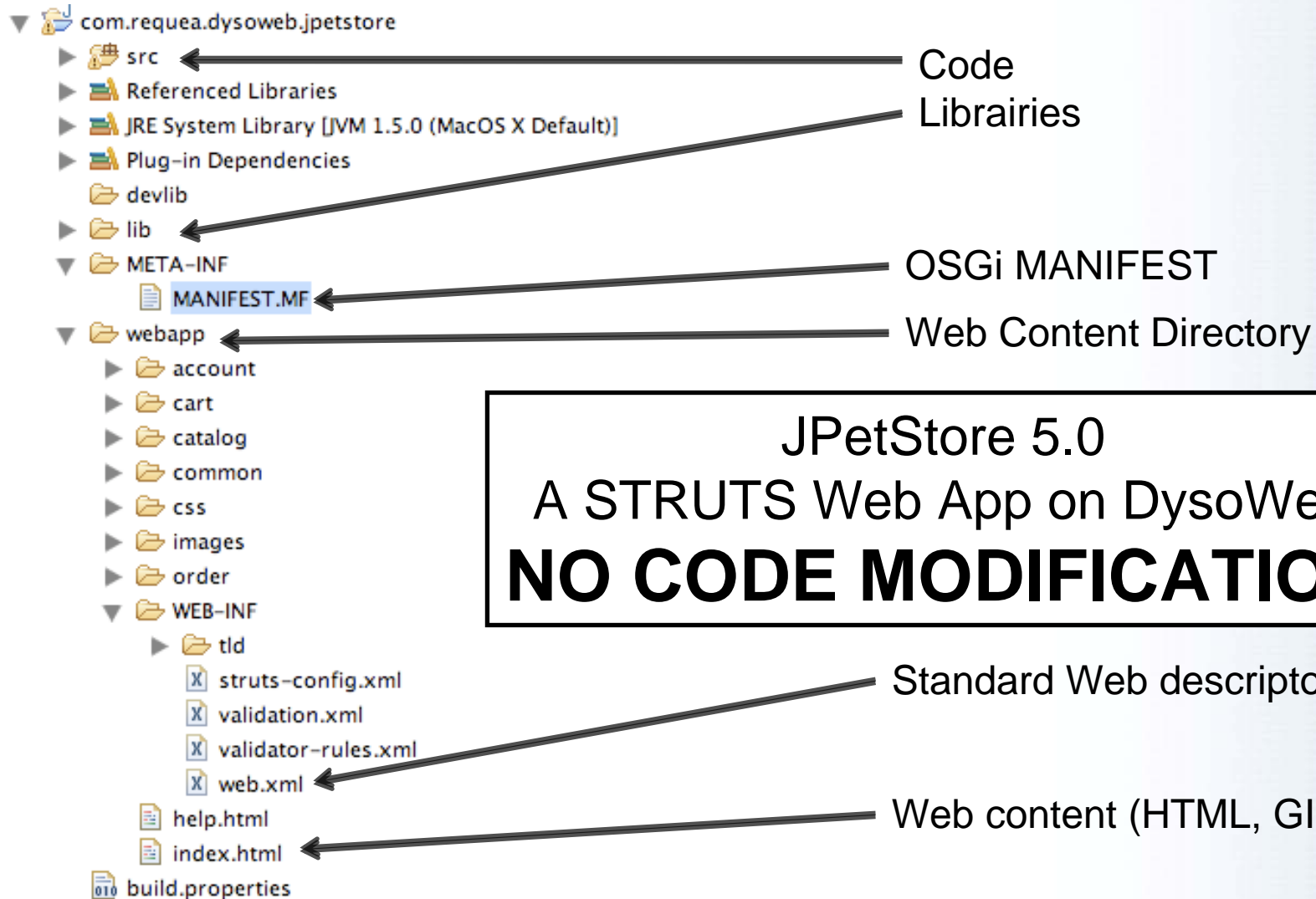
- **About REQUEA**
 - We develop Request Management Applications:
 - HR,
 - Facilities,
 - IT Requests
 - Need for modular Web applications at Runtime
 - Need for dynamicity
- **Today's State of The Art / J2EE Servlets**
 - Complete WebApp: Too large. Cannot Communicate with each other
 - Simple JSP page: too fine grain
- **Need for something with the right modularity**
 - Module = Package of Servlet, Filters, Pages, Static Content
 - Keep it Standard (Servlet Spec 2.4 +)



What is DysoWeb?

- An OSGi Platform
 - Based on Apache Felix
- A Servlet Filter (Servlet Spec 2.4+)
 - Runs on every Web container (Tomcat, BEA, ...)
- A composition engine
 - Takes a set of OSGi bundles and create a single but modular Web application
 - Module = OSGi Bundle





JPetStore 5.0
A STRUTS Web App on DysoWeb
NO CODE MODIFICATION



DysoWeb Benefits

- Modularity
 - OSGi Benefits (Bundles, Fine control of the class loaders)
 - Full Servlet Spec
 - Servlets, Filters, Taglibs, Static content
 - Standard web descriptor (web.xml)
- Dynamicity
 - DysoWeb applications can be installed/started/stopped on demand

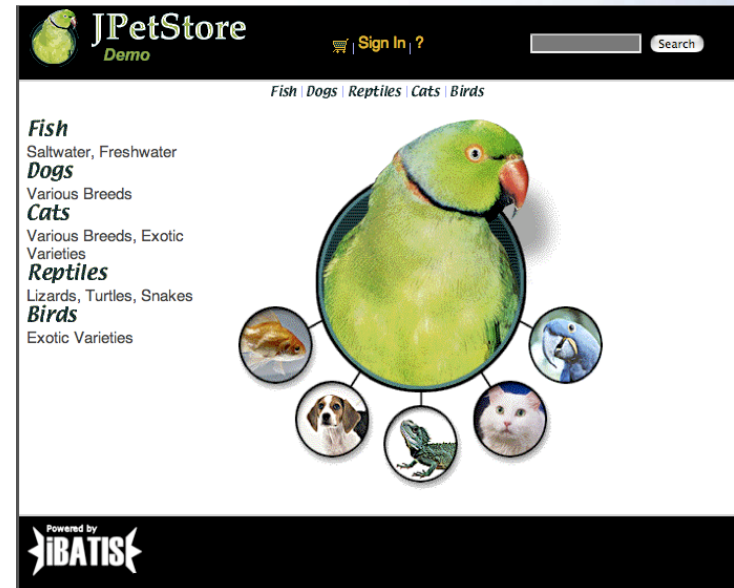


Examples



REQUEA Applications

Ajax
Servlets
Taglibs



STRUTS Applications

Servlets
Taglibs



DysoWeb Status

- Founded and Funded by REQUEA
- Open Source Project (Apache Licence 2.0)

<http://dysoweb.requea.com>