GlassFish in Action
Forget the App Server for a minute

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Agenda

13:30 GlassFish Update (v3)  Alexis
14:00 Portal Tooling  Satya
14:10 Grizzly Comet (AjaxPush)  Jean-François
14:35 Jersey (RESTful WS)  Paul
15:00 Break (maybe:)  All!
15:15 OpenMQ  Linda
15:40 Project Fuji (OpenESB.next)  Andi
16:05 Nuxeo WebEngine  Bogdan
GlassFish v3 “Prelude”
Lightweight Application Server

Alexis Moussine-Pouchkine
GlassFish Team
GlassFish Community/Adoption
Actual Users

Monthly Hits

Monthly IPs
GlassFish around You
GlassFish around You, Really
All this ....

... with a boring application server

(albeit with built-in full Web-Services Stack, full clustering, great monitoring tools, record performance, and heavily deployed in production)
What is a “lightweight” Application Server?
Tomcat ?
Fast startup ?
Load on-demand ?
Modular and Dynamic

- Modular: Apache Felix (OSGi)
- Extensible: HK2
- Yet very Fast!

Diagram:
- GlassFish Kernel
- Security
- Config
- Naming
- Injection
- Grails
- JRuby/Rails
- Web
- dispatch
- browser
- Grizzly
- Bundles repositories
- HK2 Services
- OSGi Runtime
- requests
- services

www.devoxx.com
Painless Java EE Development

- Incremental compile of all Java EE artifacts
- Auto-deploy of all Java EE and static artifacts
- Preserve sessions across re-deployments
Update Center

GlassFish v3 Prelude

There are 1 update(s) available.

Common Tasks
- Registration
- Application Server
- Application
- Web Applications
- Resources
- JDBC
- Configuration
- Web Container
- HTTP Service
- Monitoring
- Security
- Update Tool

Update Tool

1 component will be installed (7.7 MB)

<table>
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<tr>
<th>Component</th>
<th>Category</th>
<th>Published</th>
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<td>ClassFish Nucleus Localization</td>
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<td>10/30/2008</td>
<td>3.0-28.3</td>
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<td>Web Services</td>
<td>10/23/2008</td>
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Description

Jersey RESTful Web services for GlassFish

Jersey is the open source (under dual CDDL+GPL license) JAX-RS (JSR 311) Reference Implementation for building RESTful Web services. But, it is also more than the Reference Implementation. Jersey provides additional APIs and extension points (SPIs), so that developers...

Usage:

% bin/pkg

pkg [options] command [cmd_options] [operands]
Not just Java!
And right from the Update Center

- Groovy / Grails
  - Uses GlassFish Embedded in development
  - Smaller archives with “shared” WARs

- JRuby on Rails
  - Multiple deploys strategies
    including “Native” directory-based
  - One command, one instance, one process

- Grizzly, administration tooling, JDBC pooling, Metro, available to all!
Prelude to Java EE 6
(via GlassFish Update Center)

- JSF 2.0 Preview
- JAX-RS 1.0 Final
- EJB 3.1 Preview
- Servlet 3.0 soon
A lot more ...

- GlassFish Embedded API (<1sec startup)
- Comet, Cometd/Bayeux
- Full support for mod_jk, WebDAV, CGI, SSI
- Metro 1.4 Web Services
- pkg and IPS
- RESTful admin
- Monitoring
- Extensible
- Runtime
- Admin console
- Config file
http://glassfish.org

(Download size: 26MB)

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