



Portlet Bridge

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Agenda

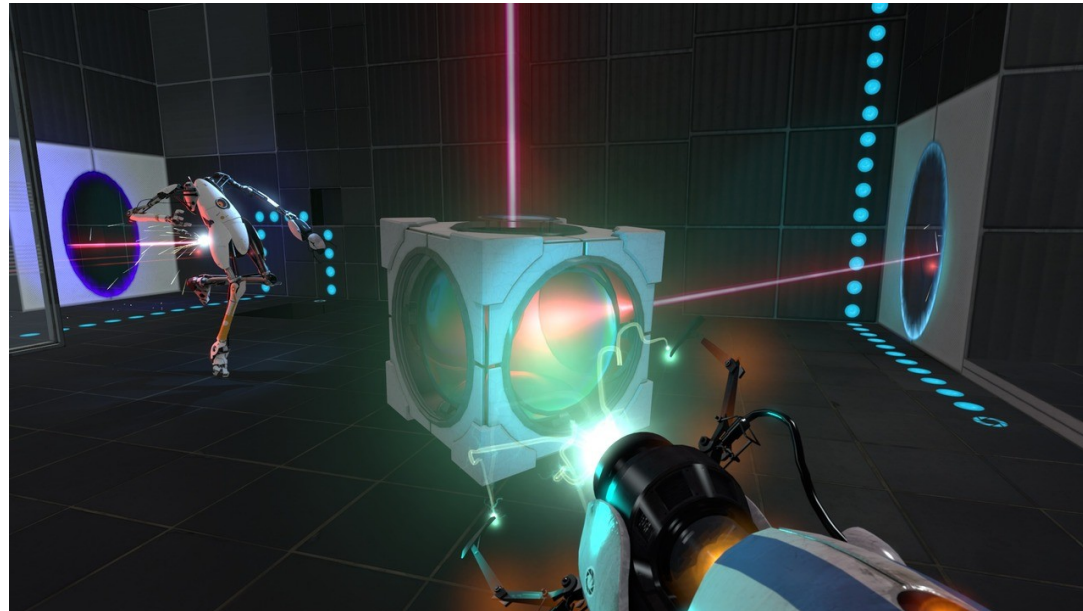
- Part 1
 - Portal and portlet bridge
 - Portals and portlets (demo)
- Part 2
 - Developing JSF portlets from scratch (demo)
 - Migrating JSF/RichFaces to portal (demo)

Survey

- experience with **portlets**?
- experience with **JSF/*Faces**?
- experience with **Portlet Bridge**?

Portal

- Web based application offering personalization and content aggregation from different sources.
- Framework for integration of information, people and processes in an organization.



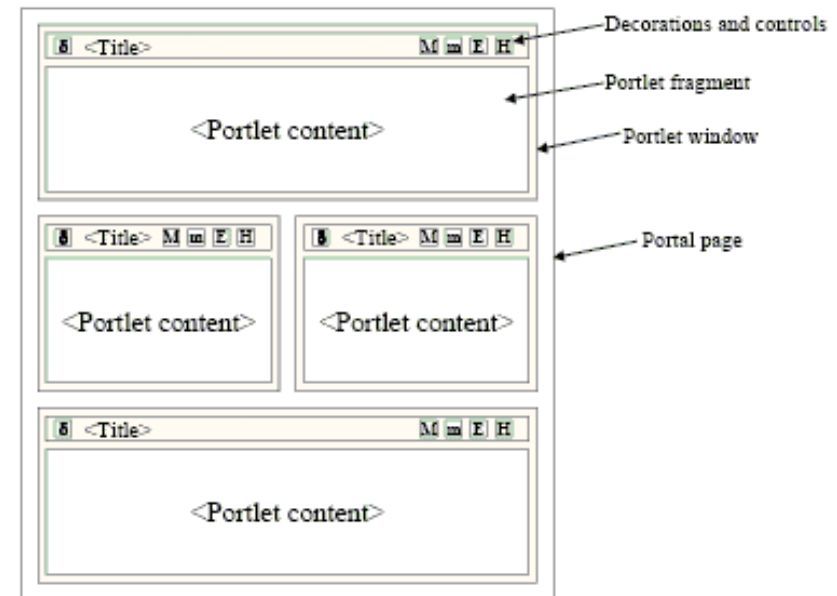
Portal

- integration
- single sign-on
- customization & personalization
- authorization & authentication
- communication
- extensibility
- others



Portlet

- Small web application designed to be deployed on portal server.
- Reusable component generating markup fragments.
- JSR-168 & JSR-286.
 - modes, window states...
 - IPC, resource serving, filters, data storage...



Portlet vs. Servlet

- common features:
 - generate dynamic content
 - components based on Java
 - lifecycle managed by container
 - request/response model
- portlet specific features:
 - generate fragment of pages
 - not bound to URL
 - communication via portal
 - more complex request processing and behavior
 - multiple instances on page

Portlet Bridge

- a way to use popular MVC frameworks in portal
- technology used by a portlet to bridge to an execution environment where differing abstractions are used for rendering markup or processing user interaction
- translation engine - expresses portlet request context to bridged environment, executes request and transforms response back to portal
- abstraction of the portlet environment for the bridged environment - Faces views as portlets without having to understand portlet concepts

How does it work?

Let's draw it all...

JBoss Portlet Bridge

- subsystem that allows a JSF resource to execute and satisfy a portlet request
- between portlet container and JSF runtime - behaviour and implementation depends on both - discrete specification for each combination of JSF and Java portlets
- JSR-301 and JSR-329
- version 2 - JSF 1.2, Portlets 2.0 (backward compatible)
- target audience
 - portlet developer
 - JSF developers

Demo, demo, demo...

Questions?

Interesting links

- <http://www.jcp.org/en/jsr/detail?id=329>
- <http://jcp.org/en/jsr/detail?id=286>
- <http://www.jboss.org/portletbridge>
- <http://www.jboss.org/gatein/>
- <https://github.com/jbossportletbridge/jbossportletbridge>
- <https://issues.jboss.org/browse/PBR>

Contact

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