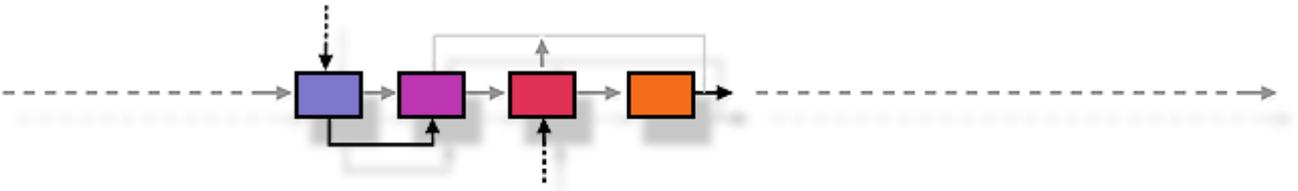




Java
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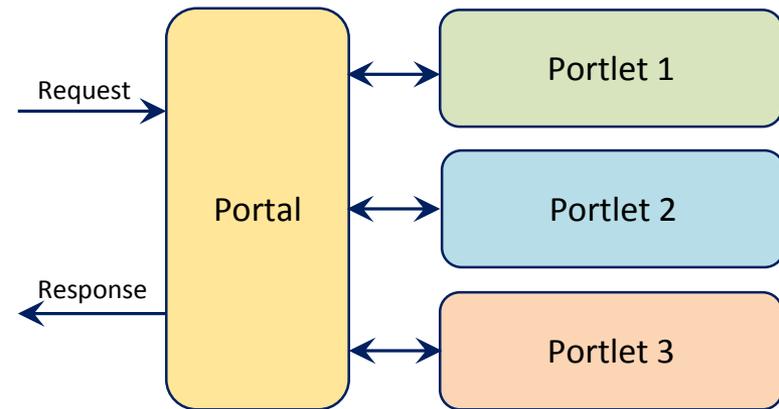
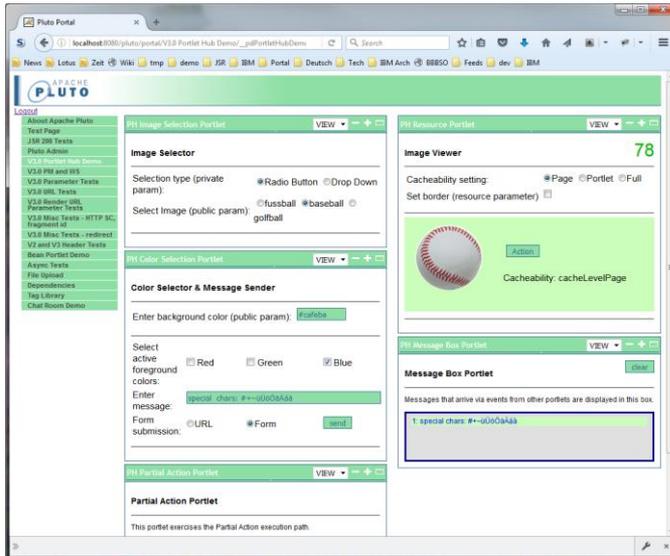


JSR 362 Review

September 16, 2016

Martin Scott Nicklous
JSR 362 Specification Lead

•What is a Portal?



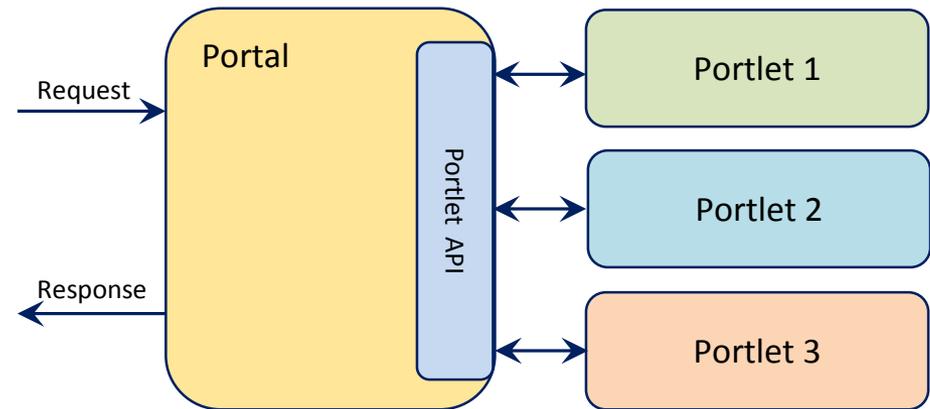
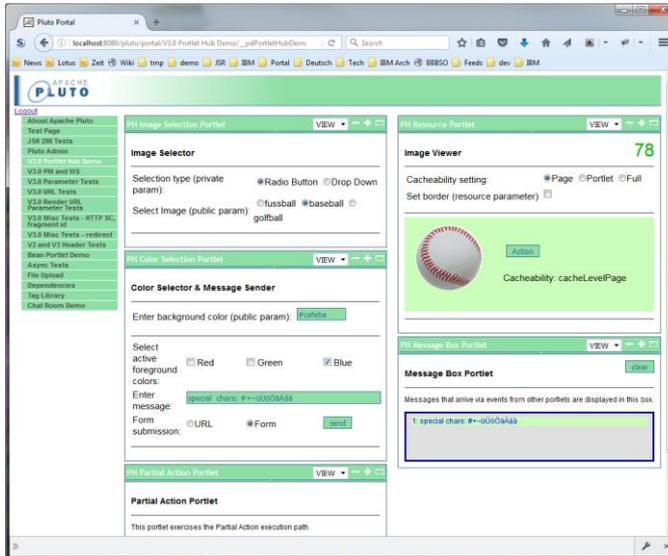
- A java-based web application that aggregates portlet output to produce a web page
- Provides the portlet container runtime environment for portlet applications

•What is a Portlet?



- **A java-based web application expressly designed to produce markup fragments for integration into a web page**
 - Similar to a servlet, but extends servlet ideas
- **Each portlet is an independent application**
 - Portlets do not require knowledge about other portlets or content on the page
 - Maintain render state and generate markup independently of other applications
 - Execution model allows portlets to work independently
 - But also exchange data through standardized mechanisms
- **Uses a standard Portlet API defined by the Portlet Specification**

•The Portlet API



- Portlet API and associated semantics standardized through the JCP
 - JSR 168 Portlet Specification 1.0 (2003), JSR 286 Portlet Specification 2.0 (2008)
 - **Today:** JSR 362 Portlet Specification 3.0
- API implemented by the portal or portlet container
- Provides services to portlet on the server

•The Portlet API



- **Allows the portlet to set and retrieve its render state**
 - The portal manages the render state of the overall page
- **Allows the portlet to create URLs targeting itself**
 - Action URL: used for forms posted to the portlet (HTTP POST, 'unsafe' operation)
 - Render URL: used for links within portlet (HTTP GET, 'safe' operation)
 - Resource URL: used for Ajax requests within the portlet (potentially any operation)
- **Allows the portlet to store configuration data**
 - Portlet Preferences
- **Allows portlets to coordinate with one another**
 - Shared render parameters
 - Portlet events
- **Produce markup and resources in an Ajax paradigm**
 - Portlet Hub JavaScript API
 - Resource Request

JSR 362 Portlet Specification 3.0 Goals



- Main goal is to provide an update to JSR 286 Portlet Specification 2.0
 - JSR 286 was completed in 2008
 - Modernization of the portlet specification
- Align with improvements in Java EE 7
 - As opposed to JEE 1.4 for JSR 286
- Improve client-side support
 - Introduce JavaScript API to access portlet parameters and create URLs on the client
 - Allow portal pages to behave as single-page apps
- Address API usability questions & errata from JSR 286
 - Improve parameter handling
 - Programming model improvements

Business/marketing/ecosystem justification



- Why do this JSR?
 - To modernize the portlet programming model
- What's the need?
 - Provides portlet developers and portal vendors with a more modern API and capabilities
- How does it fit in to the Java ecosystem?
 - The portlet programming model extends the servlet model by allowing independent portlet applications to be aggregated together on the same portal page
- Is the idea ready for standardization?
 - It's more a question of whether modernization is necessary
 - I would argue that it is, in order to allow portlet developers to use modern features contained in later Java EE releases

History



- List the significant dates in the history of the JSR.
 - When submitted?
 - 23 March 2013
 - What stages reached? (end dates)
 - Early Draft Review: 2 12 Sep, 2016
 - Early Draft Review: 07 Jan, 2016
 - JSR Renewal Ballot: 2 11 May, 2015
 - JSR Renewal Ballot: 10 Feb, 2014
 - Expert Group Formation: 16 Apr, 2013
 - JSR Review: Ballot 25 Mar, 2013
 - JSR Review: 11 Mar, 2013
 - What drafts of the Spec published?
 - See above
 - Public Review Draft planned for submission shortly after F2F Meeting on 21 Sept 2016
 - Should be essentially final

The Expert Group



- Who is on the EG and who do they represent?
 - Companies: IBM, Oracle, Liferay, Red Hat, Vaadin
 - Organizations: Apache Portals representative
 - Individuals
- How does the EG operate? How often does it meet and how (teleconferences, online, f2f?)
 - Target: Weekly conference call with webex
 - Reality: Around 2/3 of the planned calls take place
 - Can be cancelled if conflicts / no topics
- What collaboration tools are used to facilitate EG communications?
 - The mailing lists, document repository

Other deliverables



- Other than Spec, RI, and TCK are you delivering, for example:
 - Additional documentation?
 - No formal plans
 - User's guide?
 - No formal plans
 - Sample code?
 - The Apache Pluto Reference Implementation contains sample portlets demonstrating all features
 - FAQ?
 - No formal plans
 - Other artifacts?
 - No formal plans

Collaboration with other community groups



- Are you working with other community groups or organizations?
 - Apache Foundation, Apache Portals group
- If so, describe the collaboration activities and the results (with URLs where appropriate.)
 - The Apache Pluto RI & TCK for the portlet container

Implementations



- How many implementations (apart from the RI) exist?
 - Unknown
 - Companies implementing JSR 286: IBM, Oracle, Liferay, eXo platform, Red Hat (JBoss, eXo Platform)

Schedule



- EG F2F 21 Sept 2016
- Public Draft Submitted 30 Sept 2016 (30 days)
 - Expect few comments, as we've already had 2 EDRs
- Proposed Final Draft submitted 31 Oct 2016 (30 days)
- RI Complete today
- TCK complete 31 Oct 2016
 - However, there are many tests, may be defects / invalid TCs
 - Will define mechanism to contest & ignore or fix bad TCs
- Spec reaches final state December 2016

IP flow



- Provide pointers to the licenses for the Spec, RI, and TCK.
 - Spec: <https://www.jcp.org/aboutJava/communityprocess/licenses/jsr362/IBM-Specification-License-JSR-362.pdf>
 - RI: <http://www.apache.org/licenses/LICENSE-2.0.html>
 - TCK: <http://www.apache.org/licenses/LICENSE-2.0.html>
- How are you handling contributions from non JCP members?
 - Contributions to the RI & TCK are handled by Apache under the Apache Contributor Agreement
- What Terms of Use apply to your collaboration tools?
 - The terms of use for the java.net site
- Do you have a Contributor Agreement?
 - Yes, with the Apache Foundation for the RI and TCK
- Any legal issues or concerns?
 - no

RI and TCK development



- How are you developing the RI and TCK?
 - Collaboratively through the Apache Pluto Project
- If collaboratively (through an open-source project)
 - How many committers and who?
 - The list of contributors is long; however, there are about 4 active committers
 - How many apart from the Spec Lead (organization)?
 - 3 – Apache, Liferay, and a private person
- Is the RI available for public download? Is the TCK available for public download? Do you have a source-code repository? (If so, provide URL.)
 - Yes for both: <https://github.com/apache/portals-pluto>

Participation and transparency



- Provide a pointer to the JSR page on JCP.org
 - <https://www.jcp.org/en/jsr/detail?id=362>
- Provide a pointer to the “JSR project website” (eg, on Java.net.)
 - <https://java.net/projects/portletspec3>

Adopt-a-JSR



- Are you participating in the Adopt-a-JSR program?
 - No, sorry ☹
- If not, why not?
 - I tried, but did not locate an interested Jug initially, and then became too busy

Mailing lists or forums



- How are you communicating with the public and how can they communicate with you?
 - There is communication through the mailing lists
 - jsr362-experts@portletspec3.java.net
 - jsr362-observers@portletspec3.java.net
- Total number of messages, threads?
 - 624 messages since inception
- Total number of participants (EG members, non-EG members?)
 - EG members: 13
 - non-EG participants: 39 followers (most are passive)
- How many messages per month (from Spec Lead, EG members, and non-EG members?)
 - Depends strongly on topics discussed ... Maybe 15 / month on the average

Issue tracker



- Total number of issues?
 - 76
- How many in each state (open, closed, deferred, etc?)
 - All are currently resolved
- Average number of issues logged per month? Average number of issues resolved per month?
 - Very sporadic
- How many different people logged them?
 - Maybe 5
- How does this break down between Spec Lead, EG members, and non-EG members?
 - Spec lead: 58, Others: 18

Document archive



- Provide a pointer to your document archive.
 - <https://java.net/projects/portletspec3/downloads>
- Are meeting minutes and materials published?
 - Many of them are, but lately I've been somewhat inconsistent
 - <https://java.net/projects/portletspec3/pages/MeetingMinutes>
 - And related pages in the wiki
- What other materials are available for download?
 - Early spec drafts, individual spec chapters, early proposals, presentations for discussion, tech prototypes for RI
- Total number of files available for download?
 - Maybe 50 currently ... But I have been deleting older things that have been superceded
- Average number of new files available for download each month?
 - Sporadic, depends on the activity

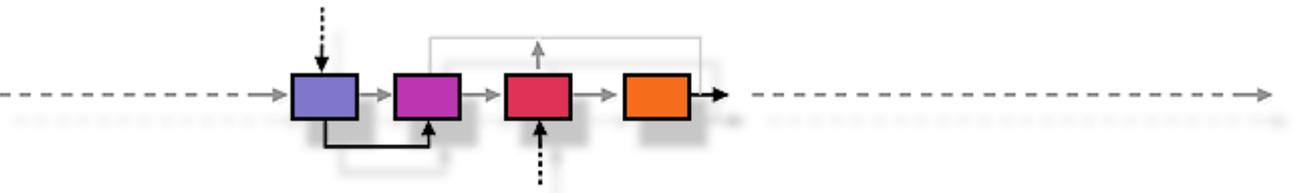
Other transparency and participation metrics



- Provide information – including metrics – about any additional transparency and participation mechanisms you use.
 - none



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Thank you!
<http://jcp.org>