JSR 378 Review

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About JSR 378

• Title:

*Portlet 3.0 Bridge for JavaServer™ Faces 2.2 Specification*

• Goal:

To define the requirements for a portlet bridge that enables webapp developers to deploy their JSF applications as portlets with little-to-no modification
Introduction

• JSR 378 builds on top of JSR 329: Portlet 2.0 Bridge for JSF 1.2

• Portlet 3.0 and JSF 2.2 both target Java EE 7, so the bridge targets Java EE 7 as well

• This JSR is not included with the Java EE platform
Q: Why do this JSR?
   - JSR 329 was released in 2011 and the JSF Portlet Bridge has not kept pace with the Portlet and JSF specifications
     - Account for major version increase from Portlet 2.x to 3.x
     - Account for major version increase from JSF 1.x to 2.x
     - Account for minor version increase from JSF 2.0 to 2.2

Q: What’s the need?
   - Since JSF and Portlets are both standards-based, developers need a standards-based way to deploy JSF applications as a portlets

Q: How does it fit in to the Java ecosystem?
   - Integrates javax.faces-api and javax.portlet-api
   - Java-based portals become a deployment option for JSF applications
   - Supports a variety of JSF component suites from the ever-vibrant JSF ecosystem

Q: Is the idea ready for standardization?
   - Standardization began with JSR 329
History

- **JSR Review**: 20 Jul, 2015
- **JSR Review Ballot**: 03 Aug, 2015
- **Expert Group Formation Complete**: 10 Dec, 2015
- **JSR Renewal Ballot**: 17 Oct, 2016
Schedule

• Anticipated schedule to completion for JSR 378

EDR#1
Q2 2017

EDR#2
Q3 2017

Public Review
Q4 2017

Final Draft
Q1 2018

Hopefully submit follow-on JSR for Portlet 3.0 + JSF 2.3
Q2 2018
The JSF Portlet Bridge (FacesBridge) is a technology that connects the **Portlet Lifecycle** to the **JSF Lifecycle**.
• Portlets are web applications that are deployed within a portlet container

• Portlet containers aggregate the markup of one or more portlets in order to present a portal page to the user
The Expert Group (Members)

- Cagatay Civici: www.primefaces.org
- Leonardo Uribe: myfaces.apache.org
- Josh Juneau: http://jj-blogger.blogspot.com
  Author: “JavaServer Faces: Introduction by Example”
- Kito Mann: www.jsfcentral.com
  Author: “JavaServer Faces in Action”
- Mansi Gaba: www.ibm.com
- Ren Zhijun: www.oracle.com
- Ken Fyten: www.icesoft.com
- Vernon Singleton, Kyle Stiemann, Juan Gonzalez: www.liferay.com
The Expert Group (Operations)

- The EG had a face-to-face meeting at JavaOne 2016

- The EG normally operates asynchronously via email and the issue tracker:
  - Spec lead creates a new issue in the issue tracker
  - Spec lead sends an email to: jsr378-experts@faces-bridge-spec.java.net
  - EG members are asked to comment or vote +1/-1 on each issue
  - When the feature is accepted, implementation begins followed by a tweet announcement via @FacesBridgeSpec
Deliverables

- **Standard:**
  - Spec Document
  - Reference Implementation (source, binaries, javadoc)
  - Technology Compatibility Kit (TCK)

- **Bonus:**
  - JSF Showcase (portlet & webapp versions):
    [http://www.liferayfaces.org/web/guest/jsf-showcase](http://www.liferayfaces.org/web/guest/jsf-showcase)
  - Variety of demos including Plain JSF, PrimeFaces, ICEfaces, RichFaces, Liferay Faces Alloy, and Inter-Portlet Communication
  - Maven Archetypes for: Plain JSF, PrimeFaces, ICEfaces, RichFaces, and Liferay Faces Alloy
Publicity

- **JavaOne 2016**: “Portlet Specification 3.0 Is Here!” [CON3860]

- **JavaOne 2016**: “Innovation by the JSF Ecosystem” [CON3126]

- **Liferay DEVCON 2016**: “JSR Update: Portlet 3.0, JSF 2.3, and the Faces Bridge”
  [https://www.youtube.com/watch?v=HNSeKOUDLzg](https://www.youtube.com/watch?v=HNSeKOUDLzg)

- **JavaOne 2015**: “Nighthacking Interview with Neil Griffin, JSR 378”
  [https://www.youtube.com/watch?v=MLzJxxa9-j0&index=15&list=PLX8CzqL3ArzW7T-75n9-8g8dIPcTlMv__&t=544](https://www.youtube.com/watch?v=MLzJxxa9-j0&index=15&list=PLX8CzqL3ArzW7T-75n9-8g8dIPcTlMv__&t=544)

- **Radio Liferay Episode 54, October 2015**: Scott Nicklous and Neil Griffin

- **JavaOne 2014**: “What's New in Portlet 3.0” [BOF2210]
  [https://oracleus.activeevents.com/2014/connect/sessionDetail.ww%3FSESSION_ID%3D2210](https://oracleus.activeevents.com/2014/connect/sessionDetail.ww%3FSESSION_ID%3D2210)

- **JavaOne 2013**: “What’s New in Portlet 3.0 and JSF 2.2”
  [https://www.youtube.com/watch?v=GYhgpSQc07M](https://www.youtube.com/watch?v=GYhgpSQc07M)
Collaboration with other community groups

• Neil Griffin represents Liferay, Inc. on JSR 372 (JSF 2.3) and JSR 362 (Portlet 3.0)

• Cagatay Civici, Leonardo Uribe, Kito Mann, and Josh Juneau serve on JSR 372 (JSF 2.3)

• Neil is a committer for the Portlet RI (Apache Pluto)

• Neil and Vernon are committers for the JSF RI (Mojarra)

• Neil, Vernon, and Kyle contribute portlet-related fixes to PrimeFaces
The RI for JSR 329 was the **Apache MyFaces Portlet Bridge**:
- [https://myfaces.apache.org/portlet-bridge/](https://myfaces.apache.org/portlet-bridge/)

Two additional implementations of JSR 329 were developed:
- **JBoss Portlet Bridge**
  - [http://portletbridge.jboss.org/](http://portletbridge.jboss.org/)
- **Liferay Faces Bridge**
  - [http://www.liferayfaces.org/](http://www.liferayfaces.org/)

The RI for JSR 378 is **Liferay Faces Bridge**

The JSR 378 Bridge API has been fortified with extension points so that portal vendors can make vendor-specific extensions in a separate JAR.
• **Spec: JCP License**  
  [https://github.com/liferay/liferay-faces-bridge-api/blob/5.x/bridge-spec/LICENSE.txt](https://github.com/liferay/liferay-faces-bridge-api/blob/5.x/bridge-spec/LICENSE.txt)

• **RI: Apache License, Version 2.0**  

• **TCK: Apache License, Version 2.0**  
IP Flow (Contributions)

- **Q:** How are you handling contributions from non JCP members?  
  **A:** *GitHub pull requests*

- **Q:** What Terms of Use apply to your collaboration tools? Do you have a Contributor Agreement?  
  **A:** *Contributions are submitted by clicking on the “Contribute Solution” button at issues.liferay.com and agreeing to the Liferay Open Source Community Contribution Agreement [https://www.liferay.com/legal/contributors-agreement](https://www.liferay.com/legal/contributors-agreement)*

- **Q:** Any legal issues or concerns?  
  **A:** *None at this time*
• Q: How are you developing the RI and TCK?
  A: The RI is developed collaboratively, but the majority of the work is done by Neil, Vernon, Kyle, and Juan of Liferay.

• Q: If collaboratively (through an open-source project) How many committers and who? How many apart from the Spec Lead?
  A: Anyone is free to submit a pull request at GitHub with the potential of it being merged into the RI or TCK by Neil (the only one with upstream push rights to the remote repo)
• Q: Is the RI available for public download?
  A: https://oss.sonatype.org/content/repositories/snapshots/com/liferay/faces/com.liferay.faces.bridge.impl/5.0.0-SNAPSHOT/

• Q: Is the TCK available for public download?
  A: Yes, but only in source form because deployment of the TCK to a portlet container (like Pluto) is most easily achieved through the Maven build system.

• Q: Do you have a source-code repository?
  A2: Impl & TCK: https://github.com/liferay/liferay-faces-bridge-impl
Participation and transparency

• Provide a pointer to the JSR page on JCP.org

• Provide a pointer to the “JSR project website"
  – https://java.net/projects/faces-bridge-spec
Q: Are you participating in the Adopt-a-JSR program?
A: No, since no JUGs adopted Portlet 3.0 JSR, we have not tried to foster adoption for the JSF Portlet Bridge JSR.
**Mailing lists or forums**

- **Q:** How are you communicating with the public and how can they communicate with you?  
  **A:** *Mailing List, Forums, Issue Tracker, and Twitter*

- Provide pointers to public mailing list(s) and/or forum(s)  
  *Mailing List:* [https://java.net/projects/faces-bridge-spec/lists/jsr378Observers/archive](https://java.net/projects/faces-bridge-spec/lists/jsr378Observers/archive)  
  *Issue Tracker:* [https://issues.liferay.com/browse/FACES](https://issues.liferay.com/browse/FACES)  
  *Twitter:* [@FacesBridgeSpec](https://twitter.com/FacesBridgeSpec)

- Total number of messages, threads?  
  42 Messages (all pointing to threads of discussion at the issue tracker)

- Total number of participants (EG members, non-EG members?)  
  10, all EG members

- How many messages per month (from Spec Lead, EG members, and non-EG members?)  
  ~3 threads/month
Issue tracker

- Total number of issues? 42
- How many in each state (open, closed, deferred, etc?) 21 open, 21 closed
- Average number of issues logged per month? ~3/month
- Average number of issues resolved per month? 50%
- How many different people logged them? Only the Spec Lead
Other transparency and participation metrics

- ~5,000 downloads/month of released artifacts at Maven Central
- ~875 downloads/month of Liferay Faces Bridge (the new RI)
- Download stats are likely underestimated, because many development companies today host their own Nexus servers
- Typically get between 15,000 - 30,000 views of our blog posts
Questions, discussion, next steps
Thank you!
http://jcp.org

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