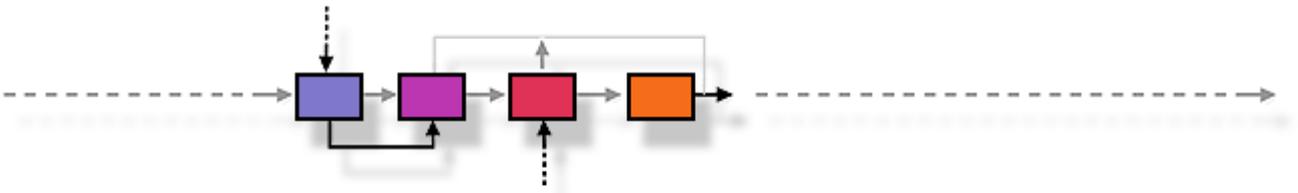




Java
Community
Process



JSR 378 Review

January 11, 2017

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Specification Lead
Liferay, Inc.

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

Business/marketing/ecosystem justification

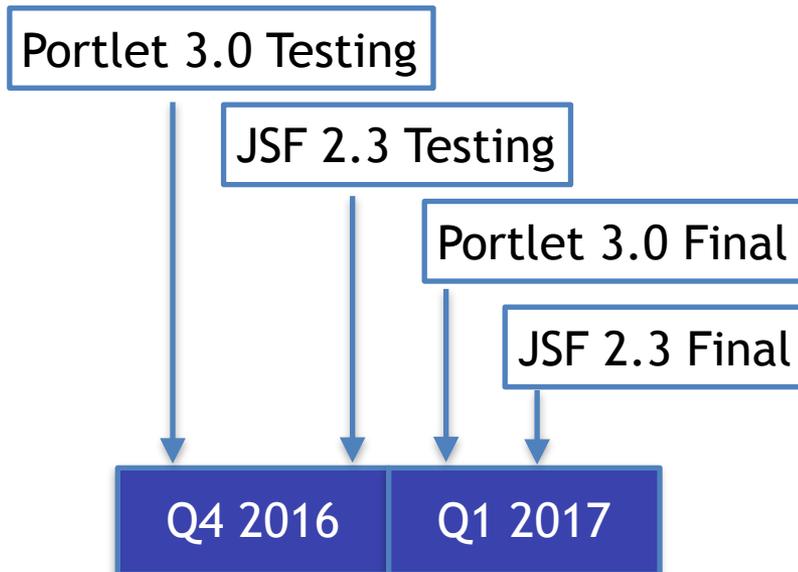


- Q: Why do this JSR?
 - *JSR 329 was released in 2011 and the JSF Portlet Bridge has not kept pace with the Portlet and JSF specifications*
 - *Account for major version increase from Portlet 2.x to 3.x*
 - *Account for major version increase from JSF 1.x to 2.x*
 - *Account for minor version increase 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



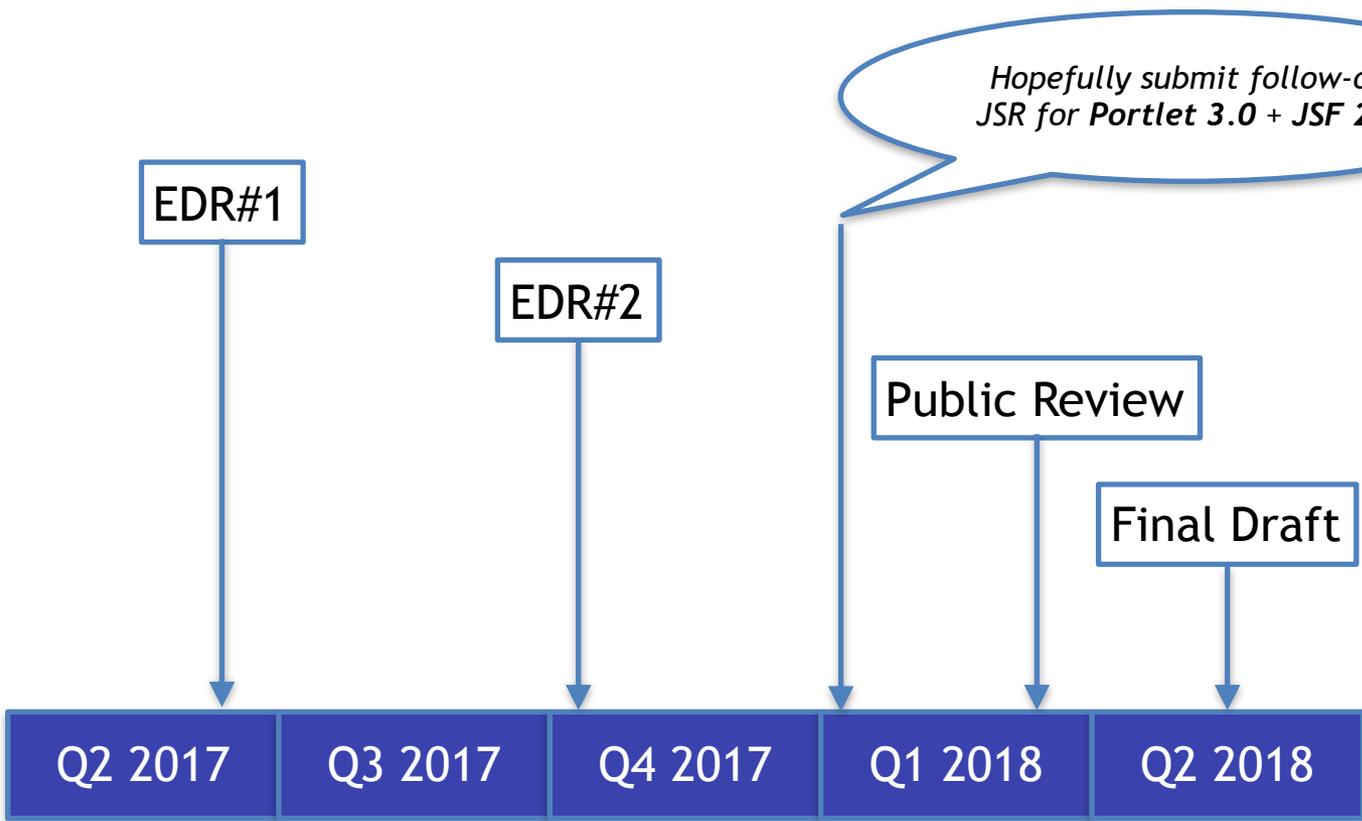
- **JSR Review:** 20 Jul, 2015
- **JSR Review Ballot:** 03 Aug, 2015
- **Expert Group Formation Complete:** 10 Dec, 2015
- **JSR Renewal Ballot:** 17 Oct, 2016



Schedule



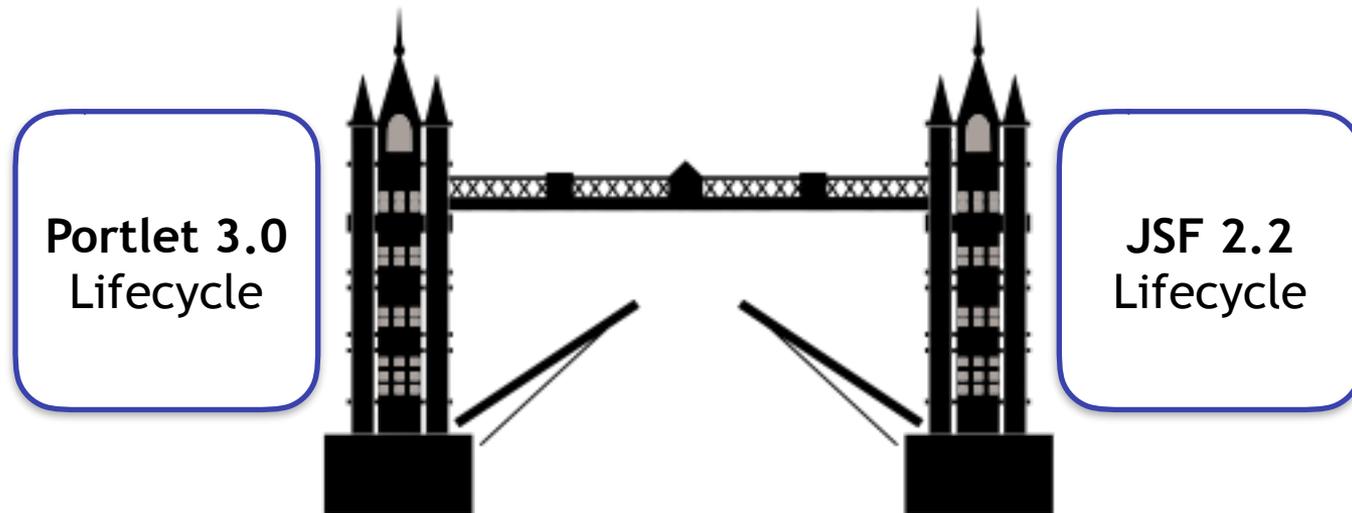
- Anticipated schedule to completion for JSR 378



Technical scope and features



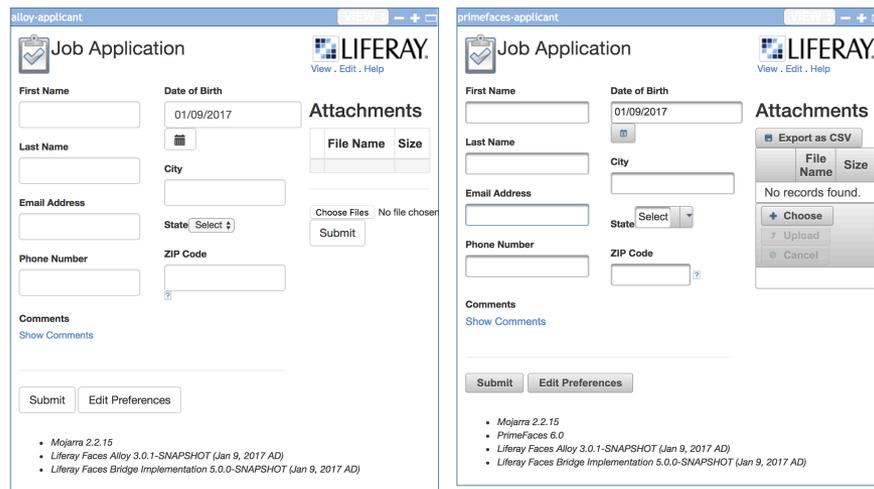
- The JSF Portlet Bridge (FacesBridge) is a technology that connects the **Portlet Lifecycle** to the **JSF Lifecycle**



Technical scope and features (cont.)



- 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](https://twitter.com/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>
- **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]
<https://oracle.rainfocus.com/scripts/catalog/oow16.jsp?event=javaone&search=CON3860>
- **JavaOne 2016:** “Innovation by the JSF Ecosystem” [CON3126]
<https://oracle.rainfocus.com/scripts/catalog/oow16.jsp?event=javaone&search=CON3126>
- **Liferay DEVCON 2016:** “JSR Update: Portlet 3.0, JSF 2.3, and the Faces Bridge”
<https://www.youtube.com/watch?v=HNSeKOUDLzg>
- **JavaOne 2015:** “Nighthacking Interview with Neil Griffin, JSR 378”
https://www.youtube.com/watch?v=MLzJxxa9-jo&index=15&list=PLX8CzqL3ArzW7T-75n9-8g8dlPcTIMv__&t=544
- **Radio Liferay Episode 54, October 2015:** Scott Nicklous and Neil Griffin
<https://web.liferay.com/web/olaf.kock/blog/-/blogs/radio-liferay-episode-54-scott-nicklous-and-neil-griffin-on-jsr-362-portlet-3-0>
- **JavaOne 2014:** “What's New in Portlet 3.0” [BOF2210]
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>

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

Implementations



- The RI for JSR 329 was the **Apache MyFaces Portlet Bridge**:
 - <https://myfaces.apache.org/portlet-bridge/>
- Two additional implementations of JSR 329 were developed:
 - **JBoss Portlet Bridge**
 - <http://portletbridge.jboss.org/>
 - **Liferay Faces Bridge**
 - <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

IP Flow (Licenses)



- **Spec:** *JCP License*
<https://github.com/liferay/liferay-faces-bridge-api/blob/5.x/bridge-spec/LICENSE.txt>
- **RI:** *Apache License, Version 2.0*
<https://github.com/liferay/liferay-faces-bridge-impl/blob/master/bridge-impl/src/main/resources/META-INF/apache-2.0.txt>
- **TCK:** *Apache License, Version 2.0*
<https://github.com/liferay/liferay-faces-bridge-impl/blob/master/tck/bridge-tck-main-portlet/src/main/resources/META-INF/apache-2.0.txt>

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](https://www.liferay.com/legal/contributors-agreement) and agreeing to the Liferay Open Source Community Contribution Agreement*
<https://www.liferay.com/legal/contributors-agreement>
- **Q:** Any legal issues or concerns?
A: *None at this time*

RI and TCK development



- **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)

RI and TCK development (cont.)



- **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?
A1: *Spec & API:* <https://github.com/liferay/liferay-faces-bridge-api>
A2: *Impl & TCK:* <https://github.com/liferay/liferay-faces-bridge-impl>

Participation and transparency



- Provide a pointer to the JSR page on JCP.org
 - <https://www.jcp.org/en/jsr/detail?id=378>
- Provide a pointer to the “JSR project website”
 - <https://java.net/projects/faces-bridge-spec>

Adopt-a-JSR



- **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/jsr378-observers/archive>
Forums: https://web.liferay.com/community/forums/-/message_boards/category/13289029
Issue Tracker: <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



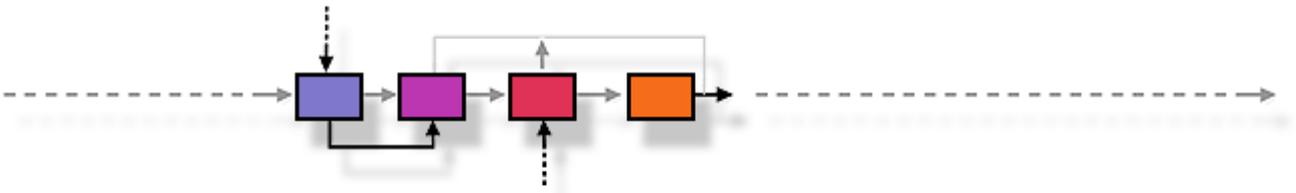
- ~5,000 downloads/month of released artifacts at Maven Central
- ~875 downloads/month of Liferay Faces Bridge (the new RI)
- Download stats are likely underestimated, because many development companies today host their own Nexus servers
- Typically get between 15,000 - 30,000 views of our blog posts



Questions, discussion, next steps



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<http://jcp.org>

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