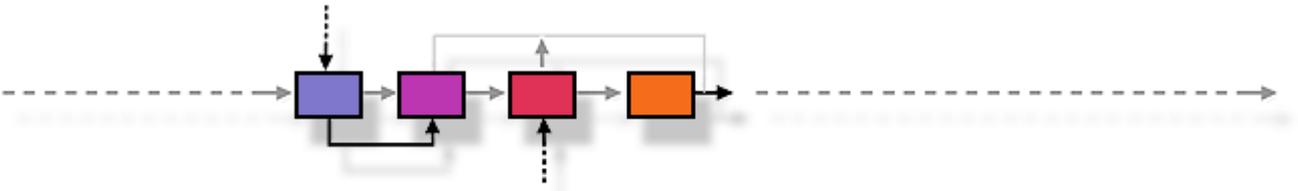




Java  
Community  
Process



# JSR 378 - 2nd Public Review

June 8, 2021

Neil Griffin  
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

# Technical scope and features



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



# Portlets



- 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



 **Button/Link**

 **Data**

[h:dataTable](#)  
General

 **Input**

 **Miscellaneous**

 **Multimedia**

 **Output**

 **Panel**

 **Select**

 **Portlet**

 **JSTL**

 **Faces Core**

 **Facelets**

 **Extensions**

## h:dataTable

[VDL Documentation](#)

[HtmlDataTable](#) is a [UIData](#) (iterator) component that renders a `table` element with tabular data and is designed to be used in conjunction with [h:column](#) child component tags.

### General Usage

The `value` attribute tag must be bound via EL to a model bean property (which is wrapped implicitly by JSF with a [DataModel](#)). The `var` attribute is used to introduce a variable name into the EL when iterating over the model.

### Example

Customers			
First Name	Last Name	Date of Birth	Country
John	Adams	Nov 30, 1735	United States
Samuel	Adams	Oct 27, 1722	United States
Josiah	Bartlett	Dec 21, 1729	United States
Carter	Braxton	Oct 16, 1736	United States
Charles	Carroll	Oct 19, 1737	United States
Benjamin	Franklin	Feb 17, 1706	United States
Elbridge	Gerry	Mar 03, 1701	United States
John	Hancock	Feb 23, 1737	United States
Thomas	Jefferson	May 13, 1743	United States
Francis	Lewis	Apr 21, 1713	United States
Footer			

# JSR 378 Spec Page



Sign In

Home Alloy Showcase JSF Showcase Portal Showcase JCP ▾



Liferay Faces is an **open source** umbrella project that provides support for the JavaServer™ Faces (JSF) standard in webapp and portlet projects.

[Follow @liferayfaces](#)

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[\[Tutorials\]](#)



JSR 378

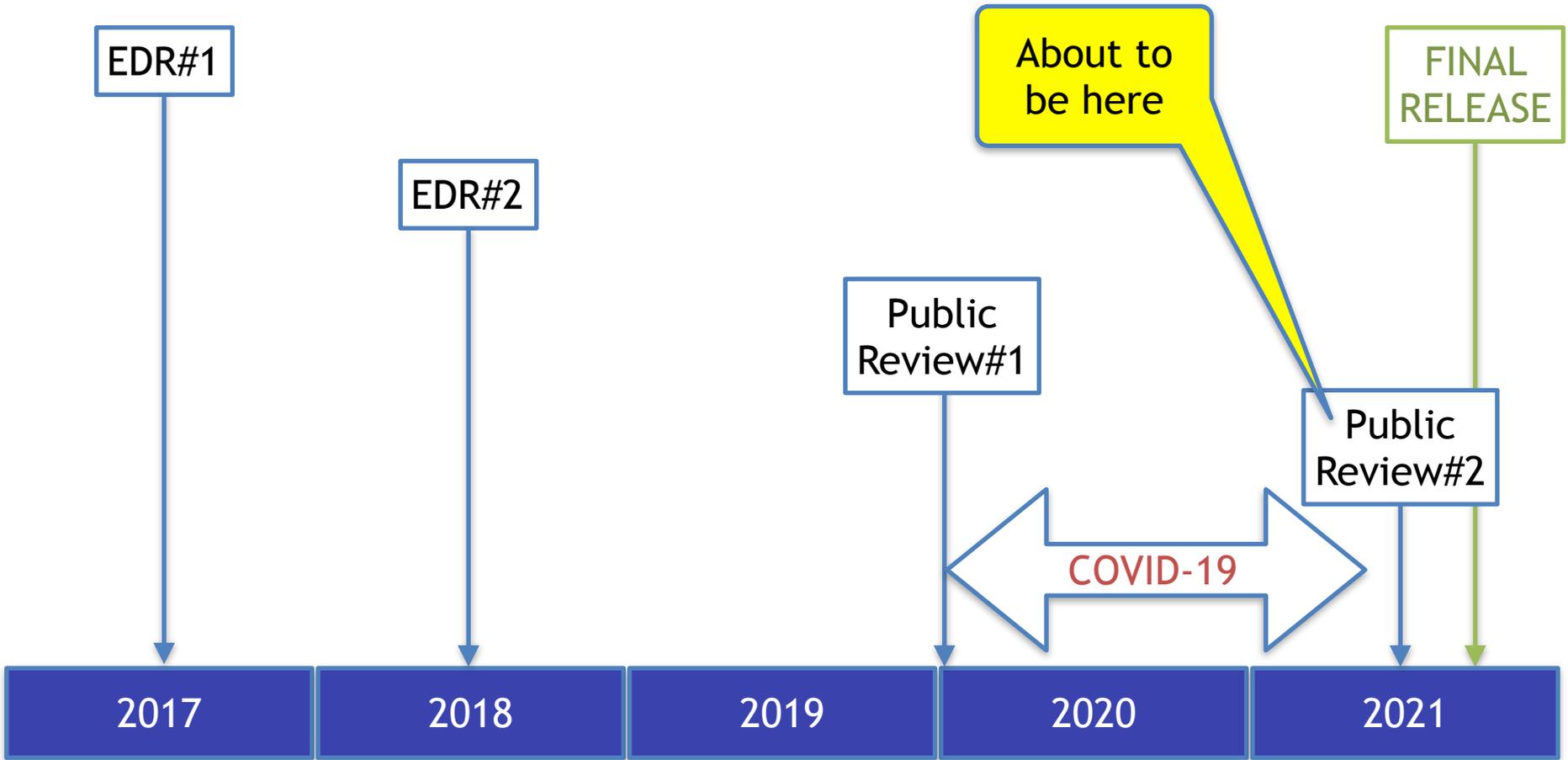
## JSR 378: Portlet 3.0 Bridge for JavaServer™ Faces 2.2

The purpose of JSR 378 is to define the requirements necessary for developing a Portlet 3.0 Bridge for applications developed with JavaServer™ Faces 2.2.

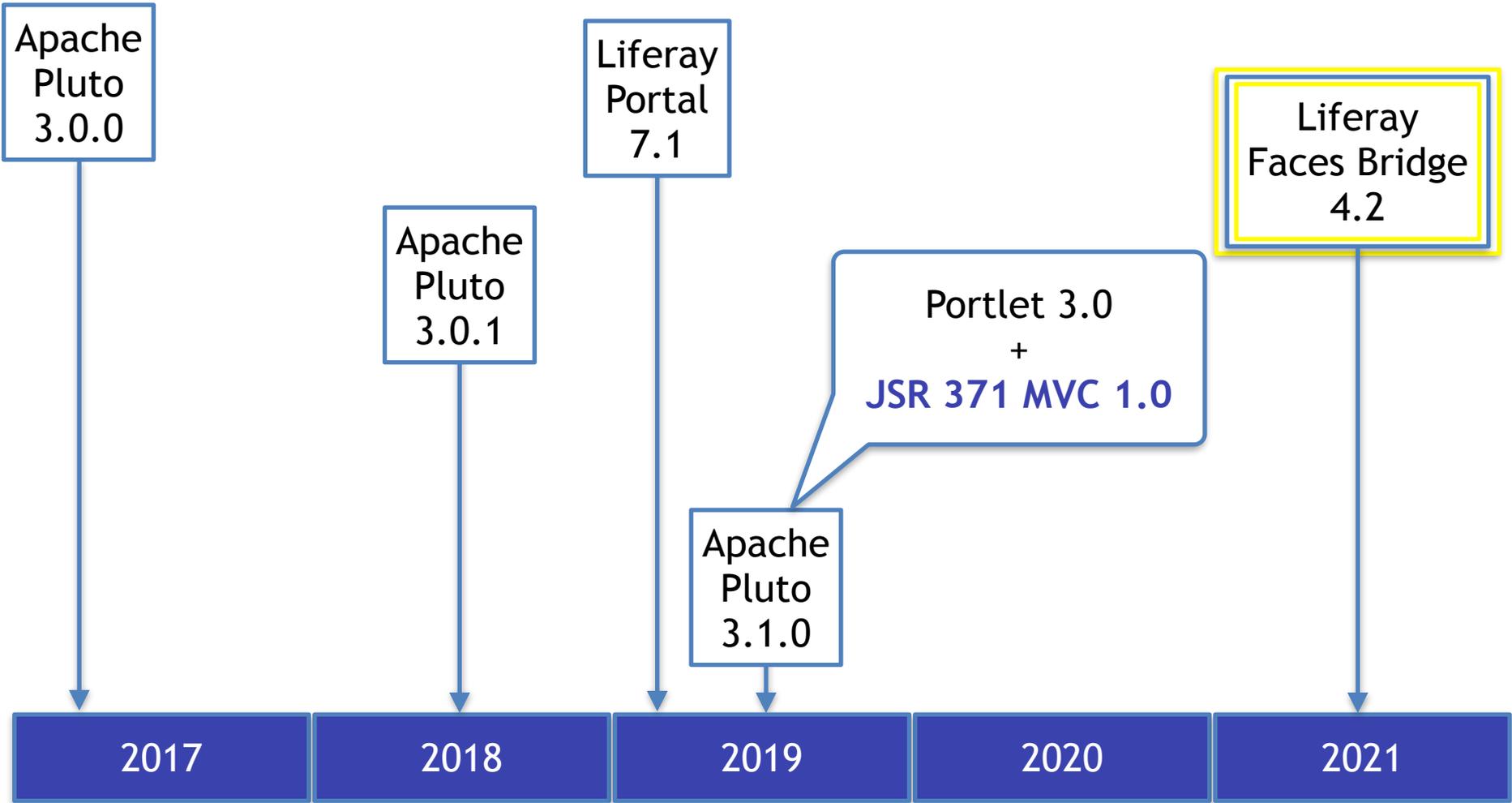
- [API Source](#)
- [Spec Source](#)
- [RI Source](#)
- [Experts Mailing List](#)
- [Observers Mailing List](#)
- [Issue Tracking](#)

This JSR builds upon the foundation established by JSR 329 (Portlet 2.0 Bridge for JSF 1.2).

# JSR 378 Timeline



# Portlet 3.0 Timeline



# JSR 378 Reference Implementation



Liferay Faces  
BRIDGE  
Reference Implementation

Version  
4.x

Java Package API:

`com.liferay.faces.bridge`



Liferay Faces  
BRIDGE  
Reference Implementation

Version  
5.x

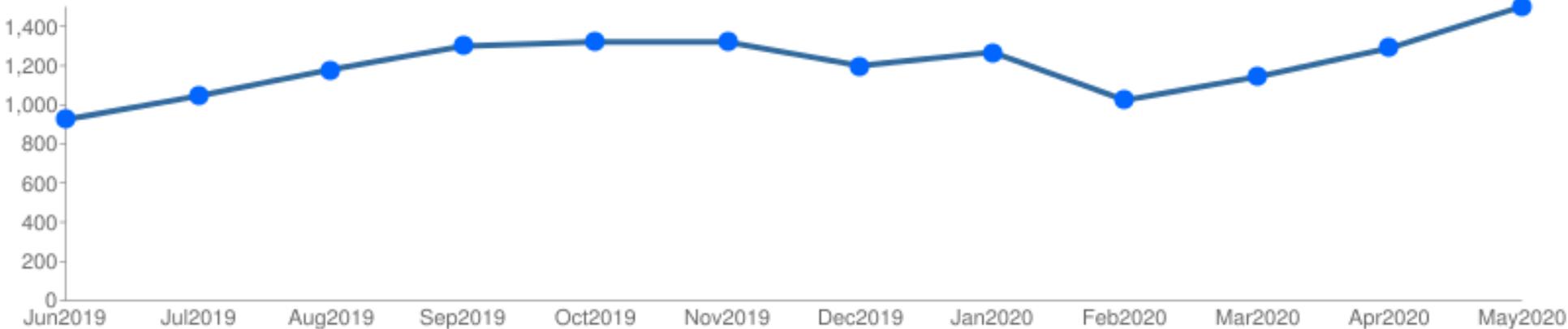
Java Package API:

`javax.portlet.faces`

# Download Stats 2019-2020



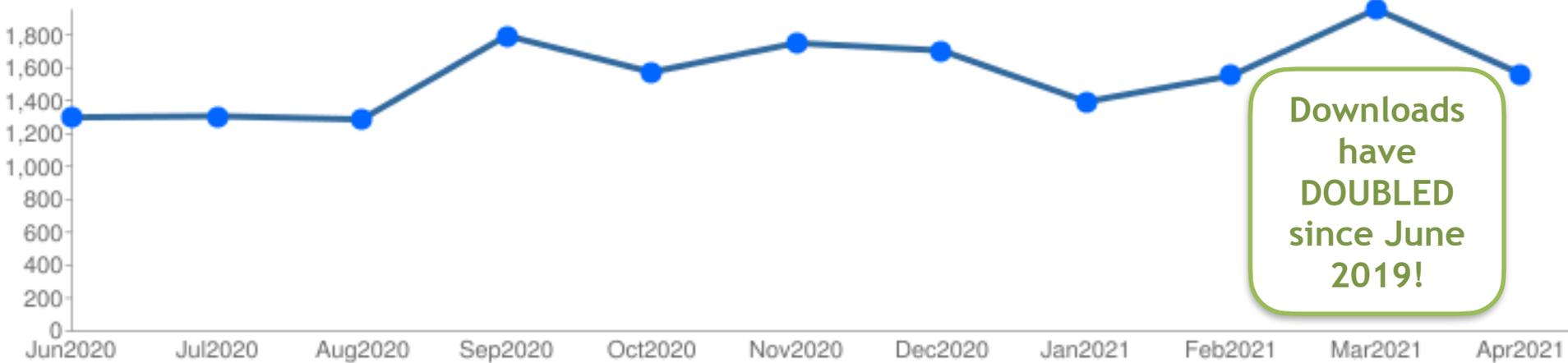
Downloads Over the Last 12 Months For com.liferay.faces:com.liferay.faces.bridge.impl



# Download Stats 2020-2021

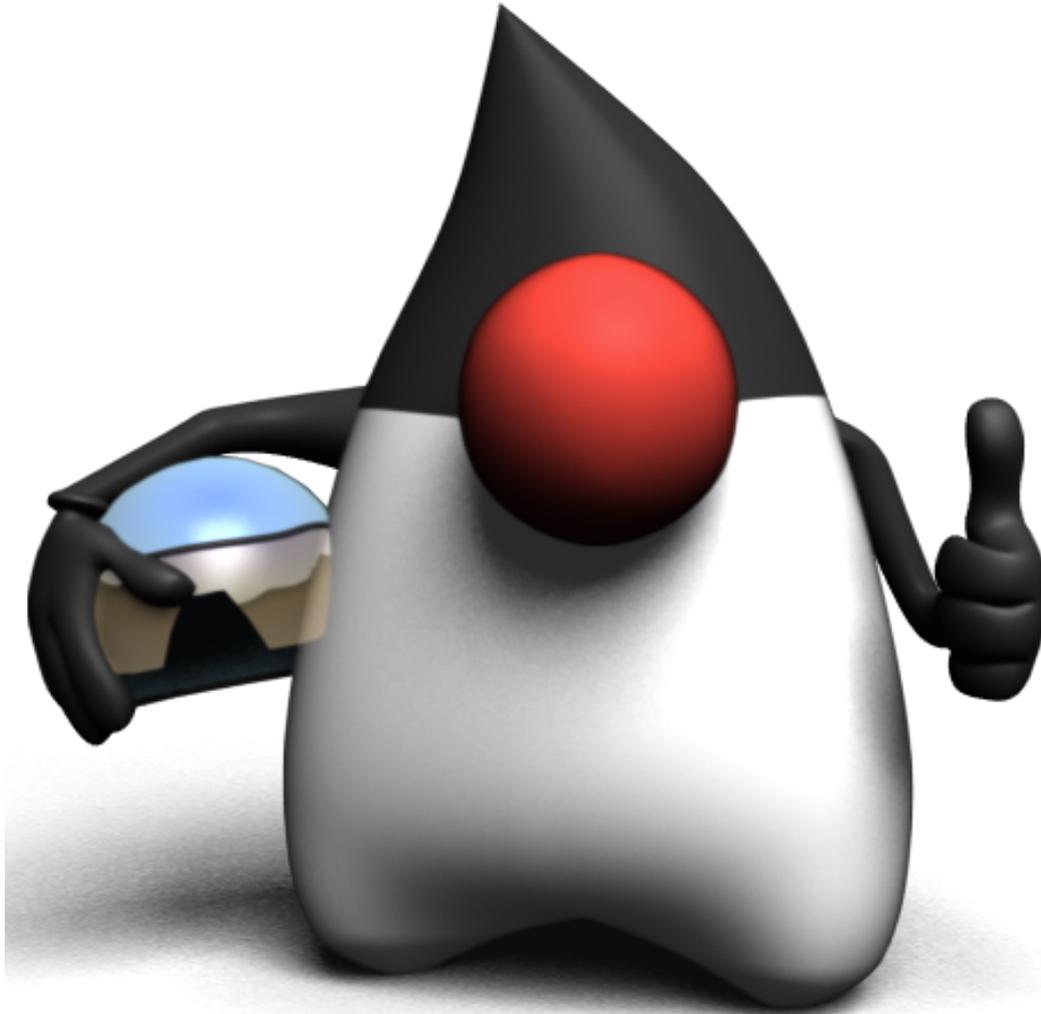


Downloads Over the Last 11 Months For com.liferay.faces:com.liferay.faces.bridge.impl



Downloads have DOUBLED since June 2019!

# Demos



# Demo: JSF Showcase



## Button/Link

## Data

## Input

bridge:inputFile

h:inputFile

h:inputHidden

h:inputSecret

h:inputText

### General

Conversion

Immediate

Validation

h:inputTextarea

## Miscellaneous

## Multimedia

## Output

## Panel

## Select

## Portlet

## JSTL

## Faces Core

## Facelets

## Extensions

## h:inputText

[VDL Documentation](#)

`HtmlInputText` is a `UllInput` component that renders a field for editing **single-line text**.

### General Usage

The `value` attribute can be **bound to a model bean property** via EL.

#### Example

Required

### Text Field

Hello World

Submit

#### Model Value

Hello World

### Source Code

[inputText.xhtml](#)   [InputTextModelBean.java](#)   [InputTextBackingBean.java](#)

```
1. <ui:composition xmlns="http://www.w3.org/1999/xhtml"
2.     xmlns:f="http://xmlns.jcp.org/jsf/core" xmlns:h="http://xmlns.jcp.org/jsf/html"
3.     xmlns:ui="http://xmlns.jcp.org/jsf/facelets">
4.
5.     <h:form>
6.         <h:inputText id="text" label="#{i18n['text-field']}"
7.             required="#{showcaseModelBean.selectedComponent.required}" value="#{input
```

# Demo: Applicant Reference Portlets



JSF-APPLICANT

Job Application

LIFERAY  
[View](#) . [Edit](#) . [Help](#)

First Name  Birthday

Last Name  City

Email Address  State/Province

Phone Number  Zip/Postal

Attachments

File Name	Size
No file chosen	

Comments  
[Show Comments](#)

JSF-CDI-APPLICANT

Job Application

LIFERAY  
[View](#) . [Edit](#) . [Help](#)

First Name  Birthday

Last Name  City

Email Address  State/Province

Phone Number  Zip/Postal

Attachments

File Name	Size
No file chosen	

Comments  
[Show Comments](#)

ICEFACES-APPLICANT

Job Application

LIFERAY  
[View](#) . [Edit](#) . [Help](#)

First Name  Birthday

Last Name

Email Address

Phone Number

Attachments

File Name	Size
No file chosen	

Comments  
[Show Comments](#)

PRIMEFACES-APPLICANT

Job Application

LIFERAY  
[View](#) . [Edit](#) . [Help](#)

First Name  Birthday

Last Name  City

Email Address  State/Province

Phone Number  Zip/Postal

Attachments

File Name	Size
No records found.	

Comments  
[Show Comments](#)

RICHFACES-APPLICANT

Job Application

LIFERAY  
[View](#) . [Edit](#) . [Help](#)

First Name  Birthday

Last Name  City

Email Address  State/Province

Phone Number  Zip/Postal

Attachments

File Name	Size
No file chosen	

Comments  
[Show Comments](#)

BUTTERFACES-APPLICANT

Job Application

LIFERAY  
[View](#) . [Edit](#) . [Help](#)

First Name  Birthday

Last Name  City

Email Address  State/Province

Phone Number  Zip/Postal

Attachments

File Name	Size
No file chosen	

Comments  
[Show Comments](#)

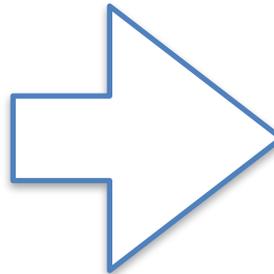
# Demo: Faces Flows



JSF-FLOWS



Enter Booking Flow



JSF-FLOWS



Booking Type

Flight

Departure Airport

108 Mile Ranch: South Cariboo Region / 108 Mile Airport (ZI)

Arrival Airport

Abbotsford: Abbotsford Airport (YXX)

Departure Date

06/01/2021



Search Flights

Exit Booking Flow

# 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

# 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>

# Downloads & Source



- **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>

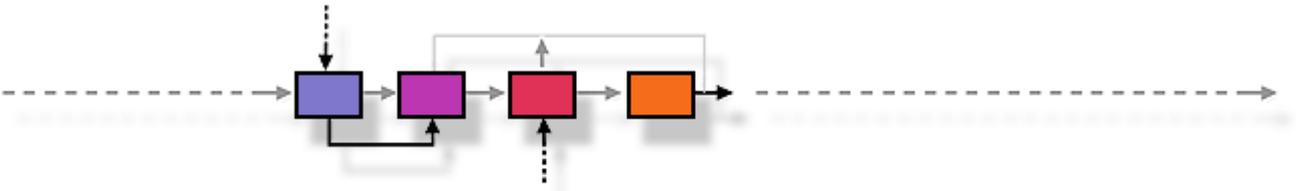
# Wrap Up



- **2nd Public Review** being submitted in the coming days/weeks
- Requesting a **30 day schedule** for the ballot



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# Thank you!

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