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JSF 2.3: Continued Return on Investment with Incremental Innovation

BOF3658

Ed Burns
Specification Lead
Java EE Platform Group
October, 2015

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My Plan for Your Time Investment

1. State of JSF in the Industry
2. JSF Ecosystem Highlights
3. State of JSF 2.3
4. Open Discussion

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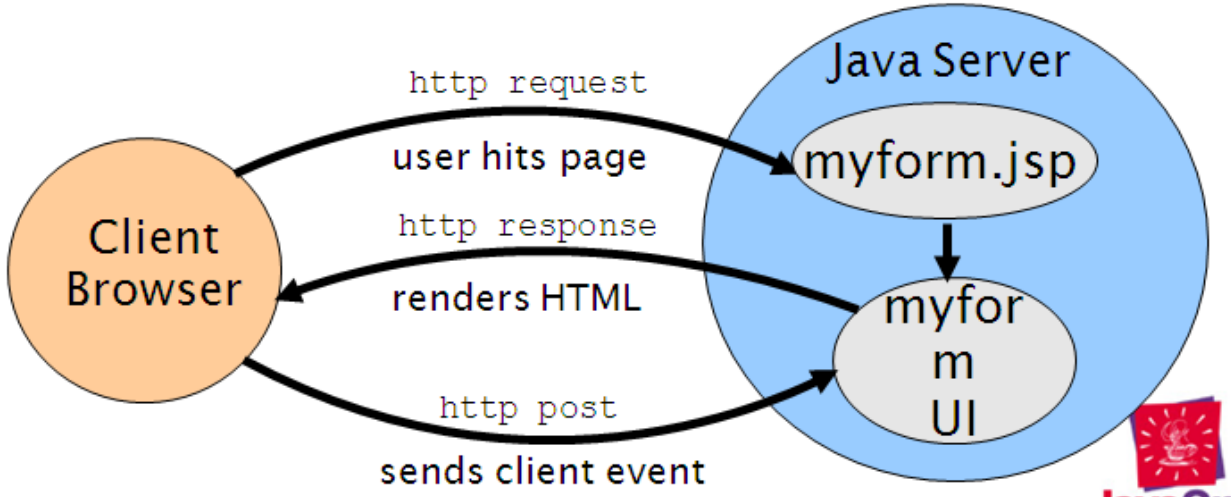
Is JSF Really That Old?

JavaOne 2001
technical keynote

JavaServer Faces: Definition

- GUI Component Architecture for JavaServer applications
  - GUI runs on server, renders to client
  - Client posts events back to server



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Middle 1 | Technical Keynote

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How Can JSF Still Be Relevant?

Abstractions Endure

WE STILL NEED WEB APPS THAT ARE QUICK TO BUILD,MAINTAINABLE, LOCALIZABLE, ACCESSIBLE,
SECURE, DEVICE INDEPENDENT, GOOD LOOKING, AND ARE FUN TO USE

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Where is JSF in its Lifecycle?

JSR Timeline

- JSR 127
  - JSF 1.0 11 March 2004
  - JSF 1.1 27 May 2004
- JSR 252
  - JSF 1.2 11 May 2006
  - JSF 1.2 Maintenance Release 1 19 December 2006
  - JSF 1.2 Maintenance Release 2 13 June 2008
  - JSF 1.2 Maintenance Release 3 25 August 2008
- JSR 314
  - JSF 2.0 1 July 2009
  - JSF 2.1 16 July 2010
  - JSF 2.1 Maintenance Release 2 22 November 2010
- JSR 344
  - JSF 2.2 Started 14 April 2011
  - Final June 2013 http://bit.ly/JavaEE7WrapsUp
- JSR 372
  - JSF 2.3 Started 22 September 2014
  - Early Draft Review October 2015

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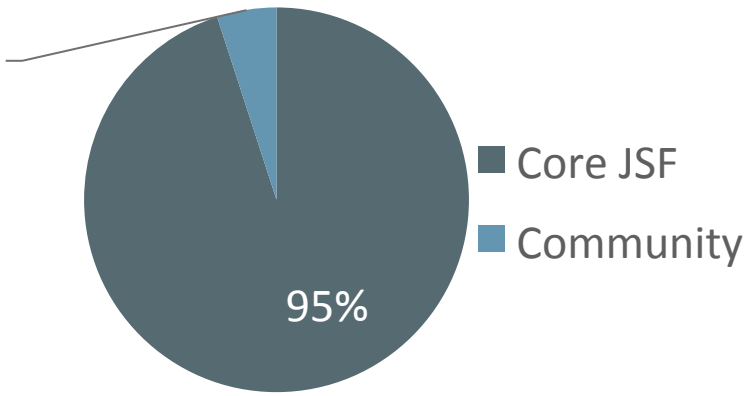
The changing role of JSF over time

2004



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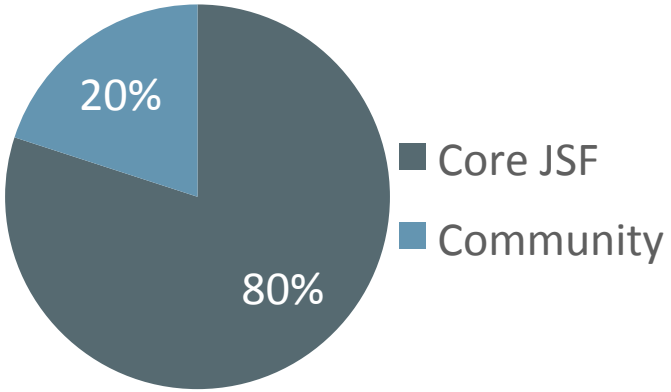
The changing role of JSF over time

2008



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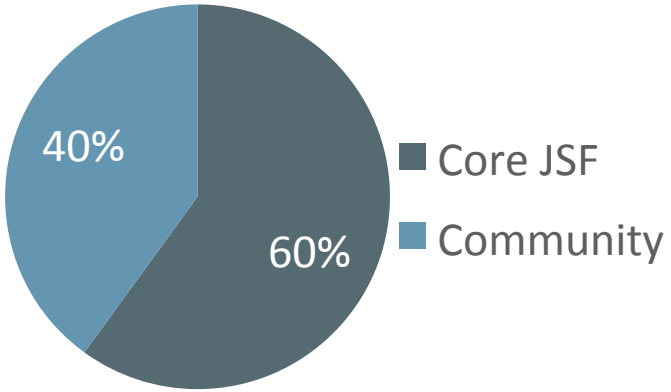
The changing role of JSF over time

2009



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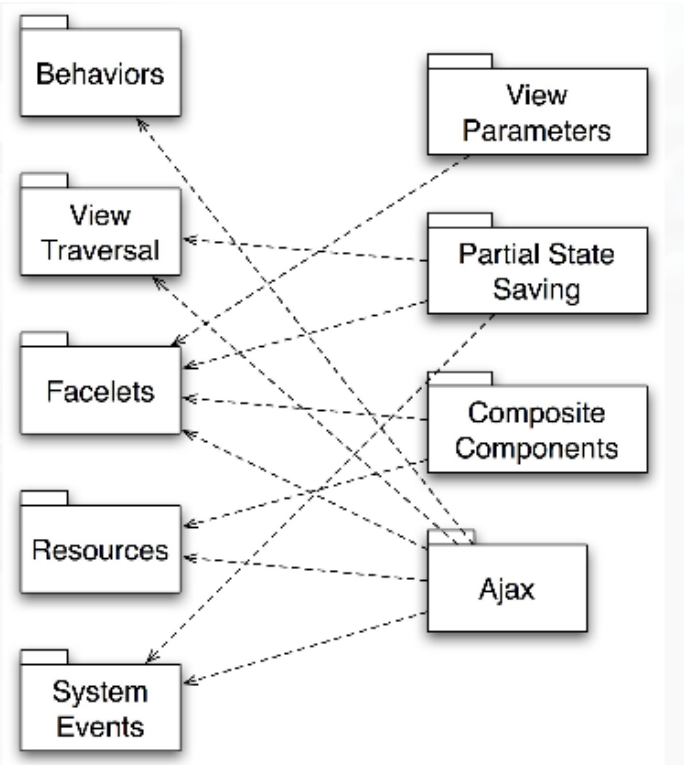
The changing role of JSF over time

2009



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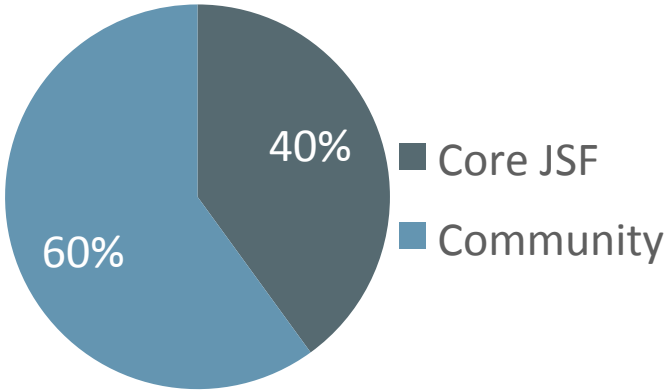
The changing role of JSF over time

2010



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The changing role of JSF over time

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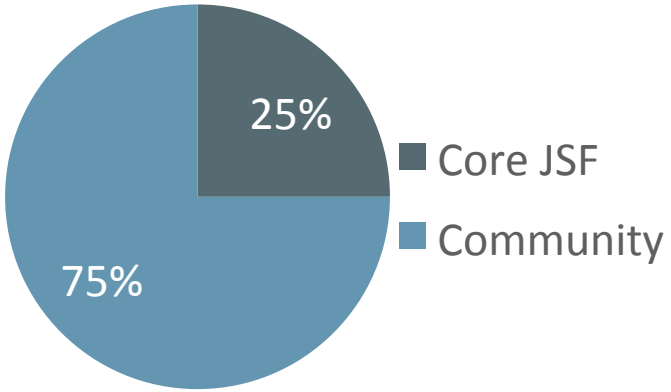
The changing role of JSF over time

2013



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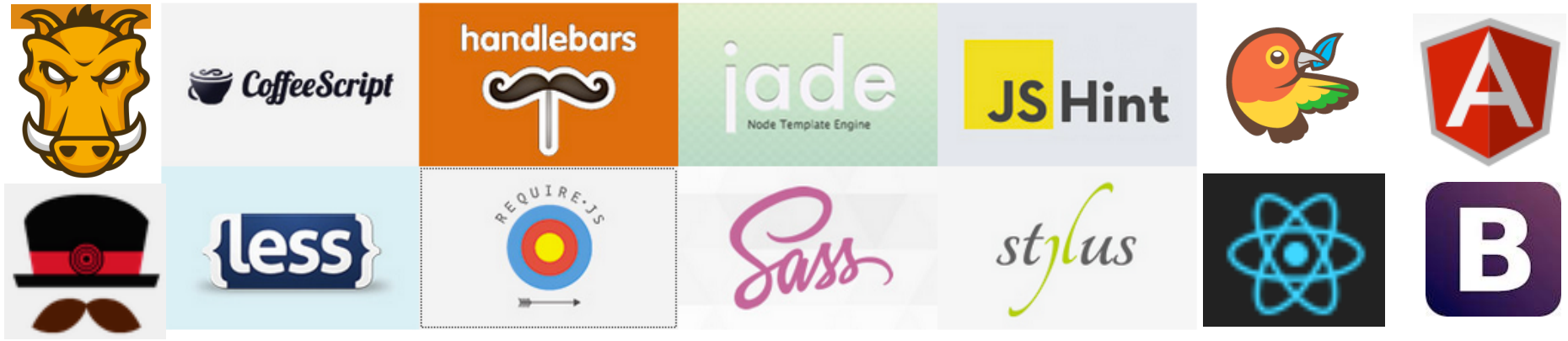
The changing role of JSF over time

2013



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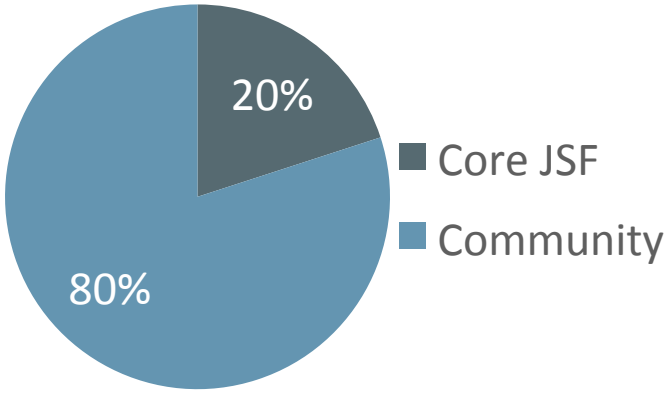
The changing role of JSF over time

http://bit.ly/JsfFtw2015
Poll: JSF and Spring MVC tie

2015



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My Plan for Your Time Investment

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JSF Ecosystem Highlights

https://jsf-showcase.zeef.com/

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JSF Ecosystem Highlights

Enablers

- The Java Ecosystem
  - Maven
  - IDEs
- Java EE development style
  - taglibs and descriptors can be read by tools
  - App server concept (containers when containers were not cool)

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JSF Ecosystem Highlights

- PrimeFaces – The big one
  - Has everything you could need and lots you might not
- OmniFaces – The JSF library from that guy with 600k StackOverflow points
- BootsFaces – Simpler than PrimeFaces, but still has Twitter Bootstrap
- HighFaces – HighCharts for JSF
- ButterFaces – A different take on Twitter Bootstrap

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State of JSF 2.3

- Early Draft Review Just Released!
- Mojarra 2.3.0-m04 Just Released! Runs on GlassFish 4.1.1 (Just Released!)
- Requires Java SE 8

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State of JSF 2.3

- Community Driven Release
- Not designed to deliver blockbuster new big features
  - WebSocket integration <f:socket> (not implemented in 2.3.0-m04)
  - Multi-field Validation (issue JAVASERVERFACES_SPEC_PUBLIC-1!)
  - JavaTime support
  - Better CDI integration
  - DataModel implementations can be registered
- 614 issues marked Resolved Fixed since start of JSF 2.3 http://bit.ly/JavaOne2015Jsf23Fixed

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Other Great Sessions!

Tonight

- Advanced PrimeFaces BOF3245
  Parc 55 Mission *9pm*

Tuesday

- JSF and HTML5 CON1784
  Parc 55 Cyril Magnin I *12:30pm*
- Tuning JSF CON3239
  Hilton Imperial Ballroom A *2:30pm*
- Pro JSF Components BOF3256
  Parc 55 Cyril Magnin II/III *9pm*

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Other Great Sessions!

Wednesday

- Java EE 7 in Higher Ed CON3564
  Parc 55 Powell I/II *3pm*

Thursday

- Digital Java EE 7/JSF Flows CON5211
  Parc 55 Cyril Magnin I *4pm*

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