

Seam BOF

Pete Muir and Dan Allen

joined by

Gavin King, Max Anderson, Emmanuel Bernard

and special guests



Mission Statement

To provide a fully integrated development platform for building rich Internet applications based upon the Java EE environment.



The Seam Framework

- A complete solution for developing applications based upon Java EE standards
- The stack consists of...
 - Java EE integration
 - Declarative security
 - Page flows (jPDL) and business processes (jBPM)
 - JavaScript remoting or AJAX through view layer
 - Email, graphics, PDF, and XLS
 - Spring integration and more...
 - Wicket, Flex, JSF

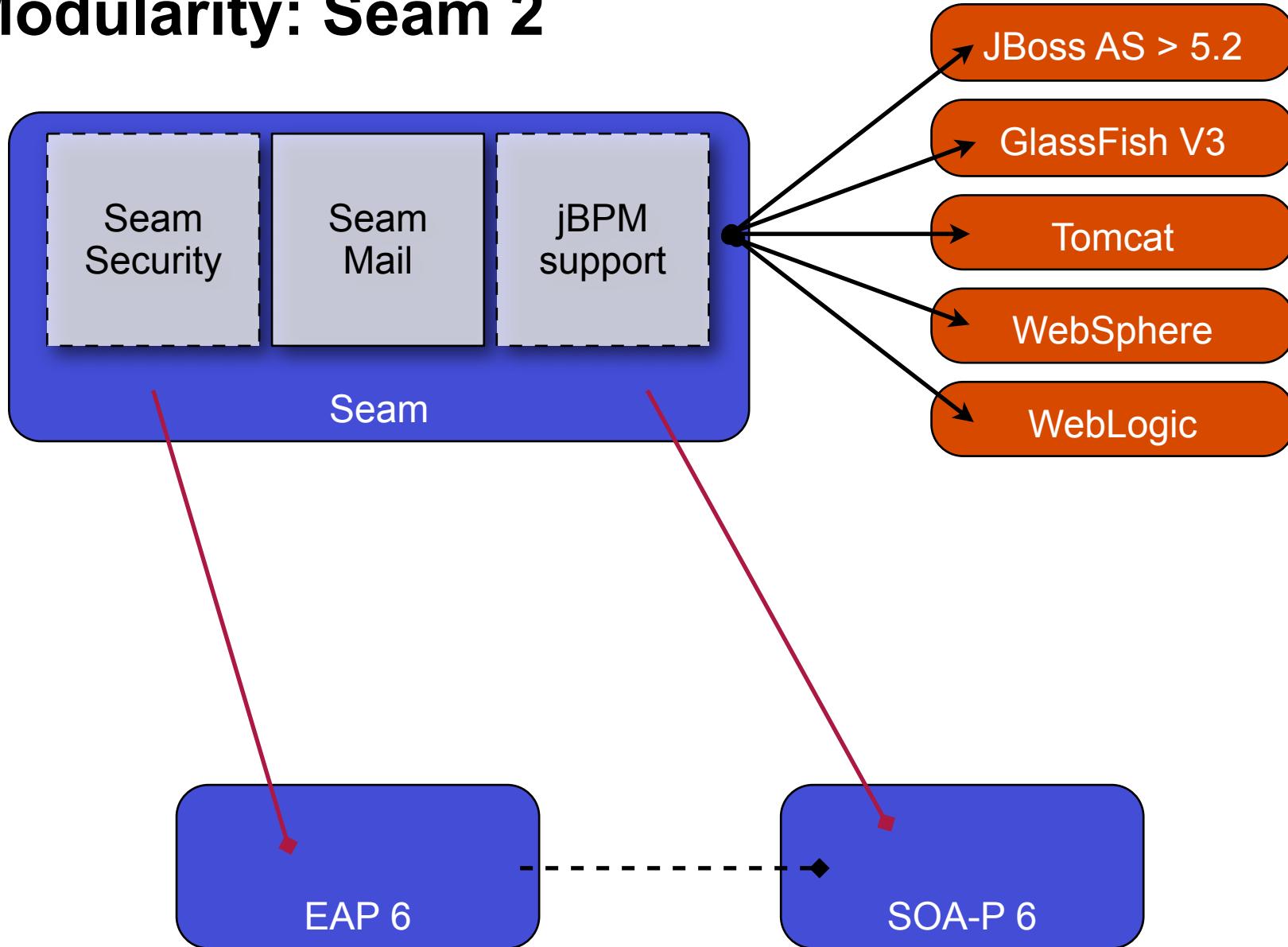


Seam 3: Key themes

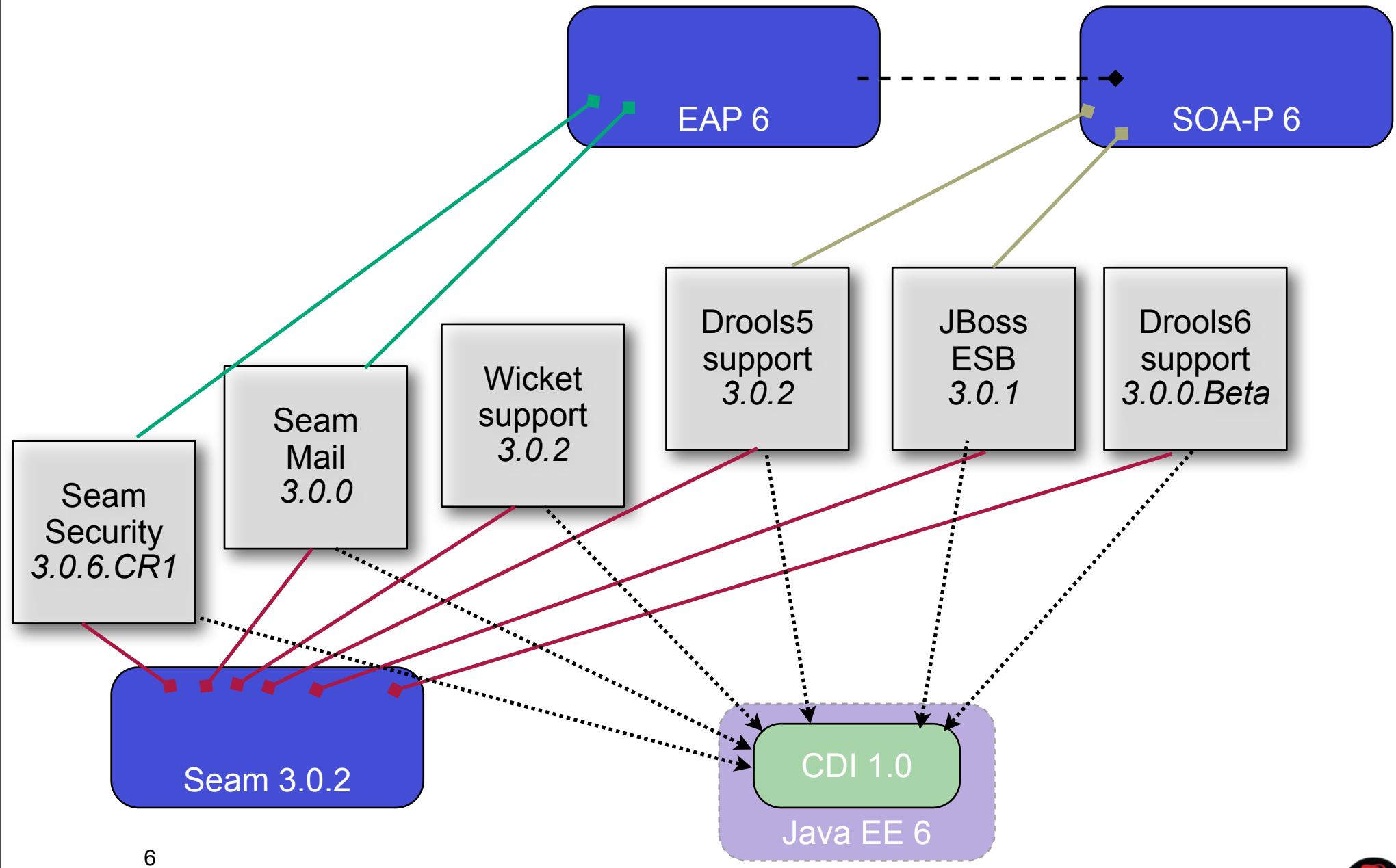
- Loose coupling
 - pick and choose the modules you want
- Portability
 - run the modules in **any** CDI environment
- Full stack
 - all core modules tested together, with examples showing how to use



Modularity: Seam 2



Modularity: Seam 3

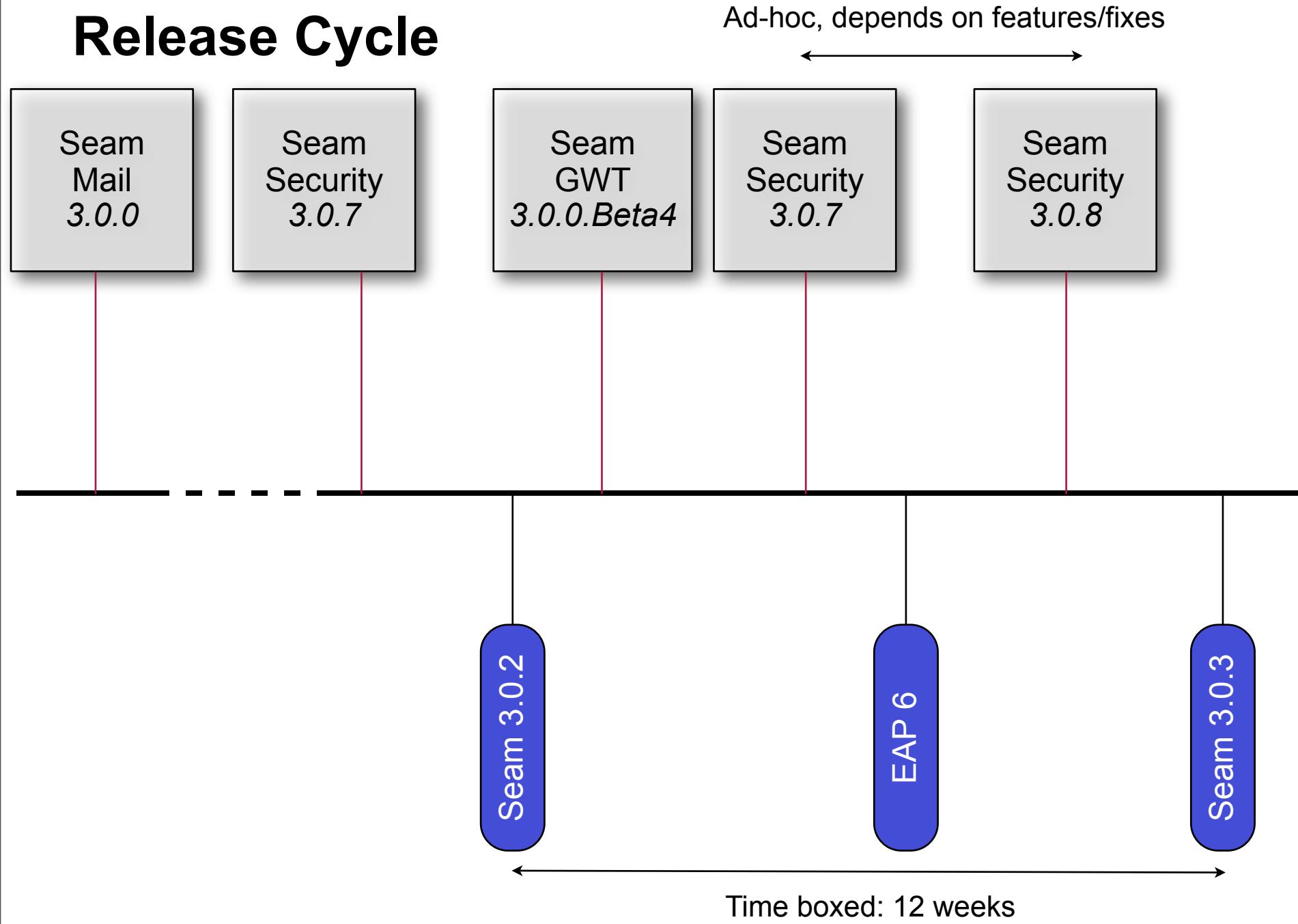


Modularity/Portability

- Packaging for community vs. products
- Many people don't want it all (e.g. Guvnor)
- Pick and choose view layers
- Run on any CDI implementation



Release Cycle



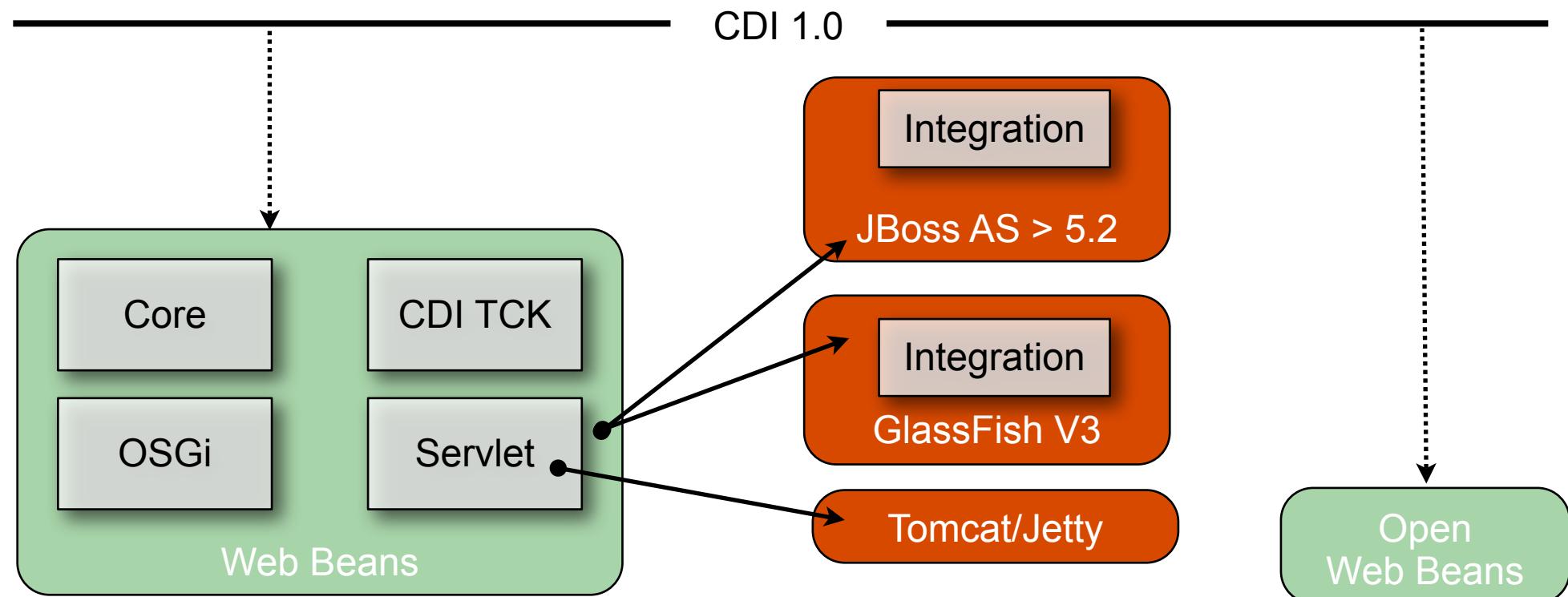
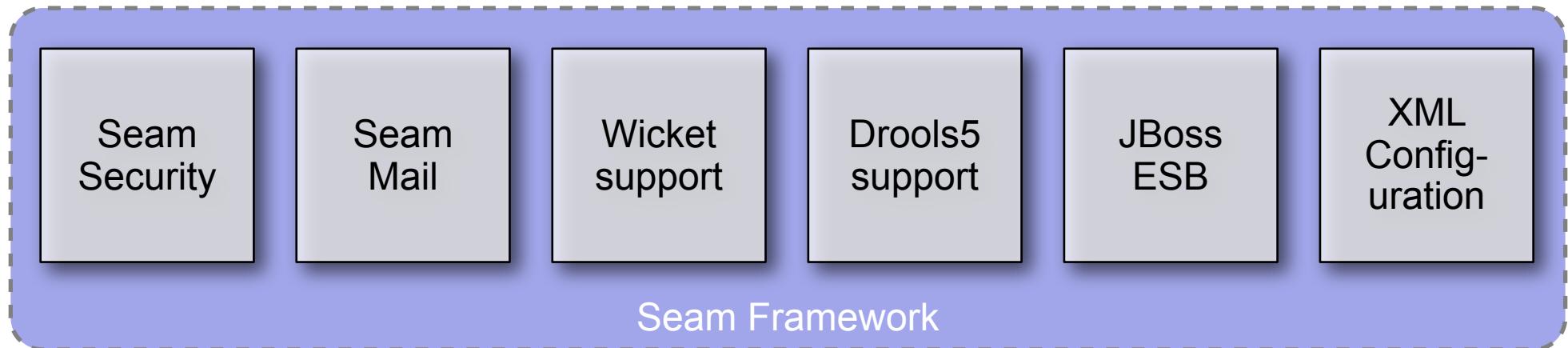
Release Cycle

- Trickle module releases - keep early adopters happy
- Modules only use CDI API, no internal APIs
- Can release new versions of modules to align with product dependencies outside of main Seam release cycle

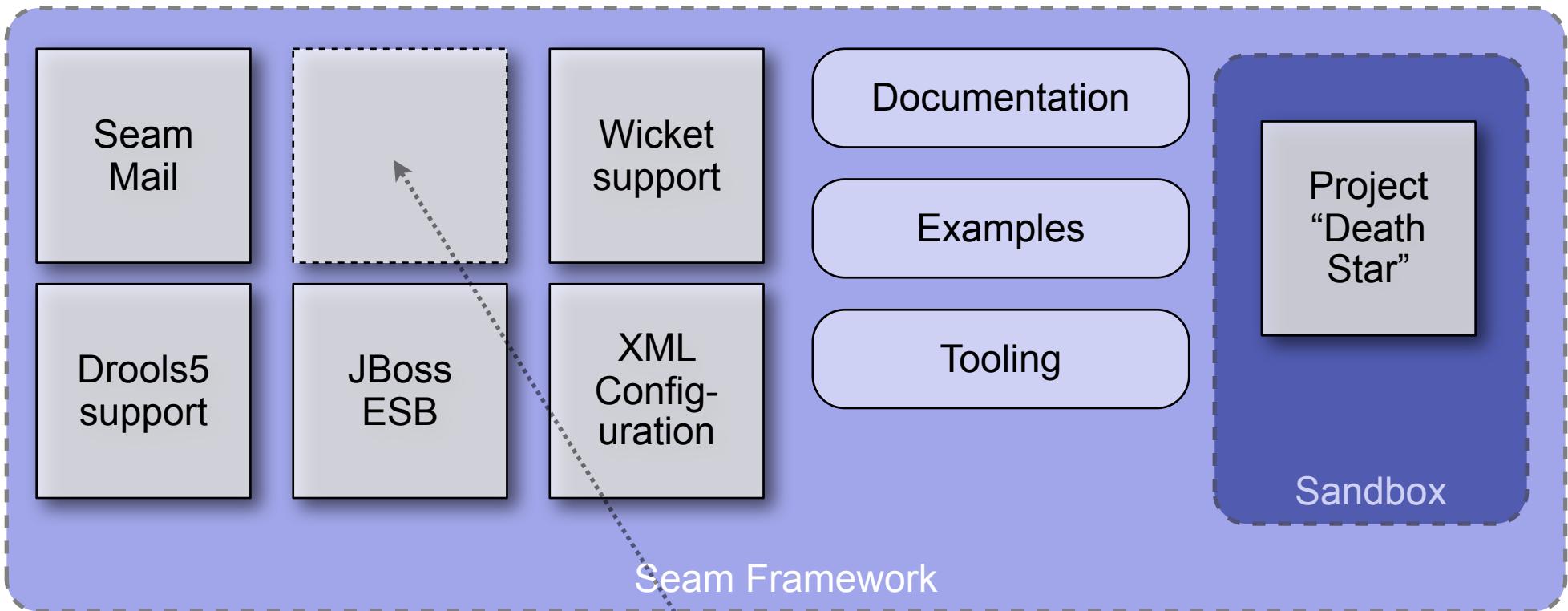
We still distribute a recommended, QA'd bundle every quarter



Projects



Seam Modules



Modules: requirements

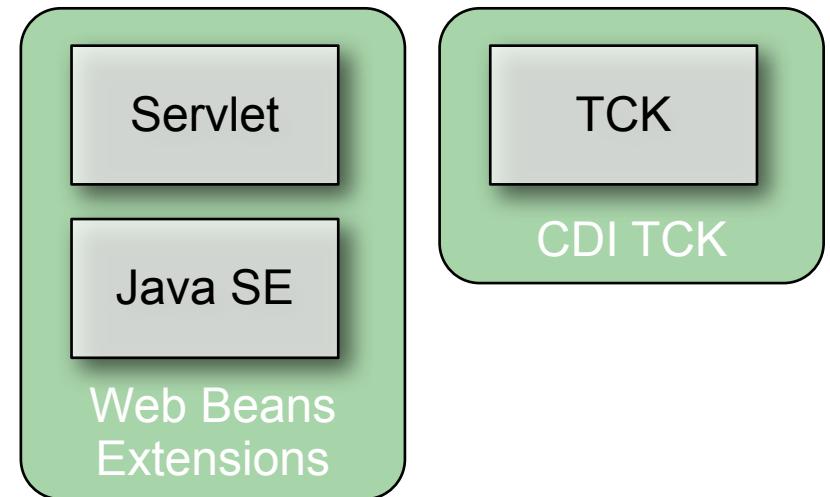
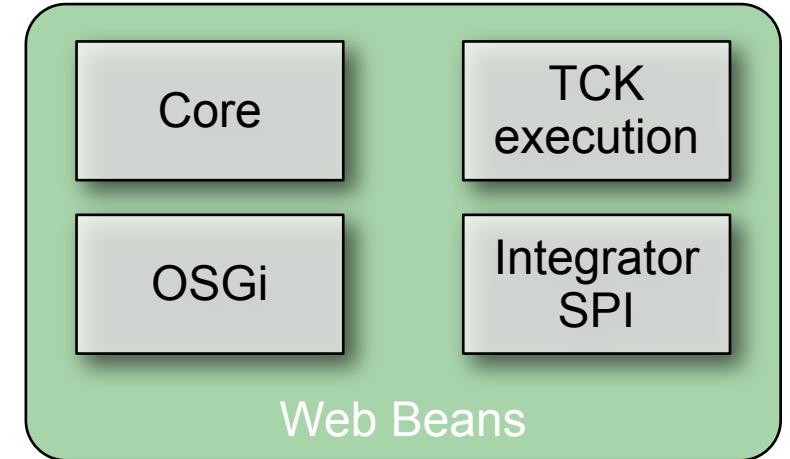
- Reference Documentation
- An example
- Tests!
 - Both unit and integration
 - Popular
- Sandbox provides a playground for people to try out ideas

Build an ecosystem around Java EE



Web Beans

- Time boxed, 10 week release cycle
 - Independent of Seam Framework
- Bundled as part of JBoss AS, GlassFish
- Extensions for Servlet containers and Java SE



Compatibility

- Other DI frameworks
 - Spring bridge
 - Guice bridge
- Backwards compatibility
 - Seam 2 bridge
 - Seam 2 native layer (ETA?)



Q&A

<http://in.relation.to/>

<http://www.seamframework.org>



Is Seam going to work with any CDI implementation?

Is Seam 3 going to have a monolithic build based on Ant or is it going to use Maven 2?

FAQs

What is Seam's position on supporting other application servers? Is there going to be more help than just documentation about what to change? What about servlet containers?

Will the community be able to submit or maintain extensions to Seam?

Will JSF still be the preferred view technology to use with Seam? Is the GWT integration going to get any better?

Is seam-gen going to be redone? Will it have a plugin community like the Grails project builder?

What JSF enhancements are going to remain in Seam
now that JSF 2 is out?

What features are going to remain in Seam now that JSR-299 is the foundation?

Will Seam still support EJB features for non-EJB beans? (e.g., transactions, persistence context, async invocation)

What's the future of SeamTest?

Is bijection gone?

How do JSF managed beans and JSR-299 beans coexist, or do they?

Will Seam support hot deployment of JSR-299 beans?
Can we expect it to be better than Seam 2?