





# Meet The Java EE Specification Leads

Bill Shannon  
Linda DeMichiel

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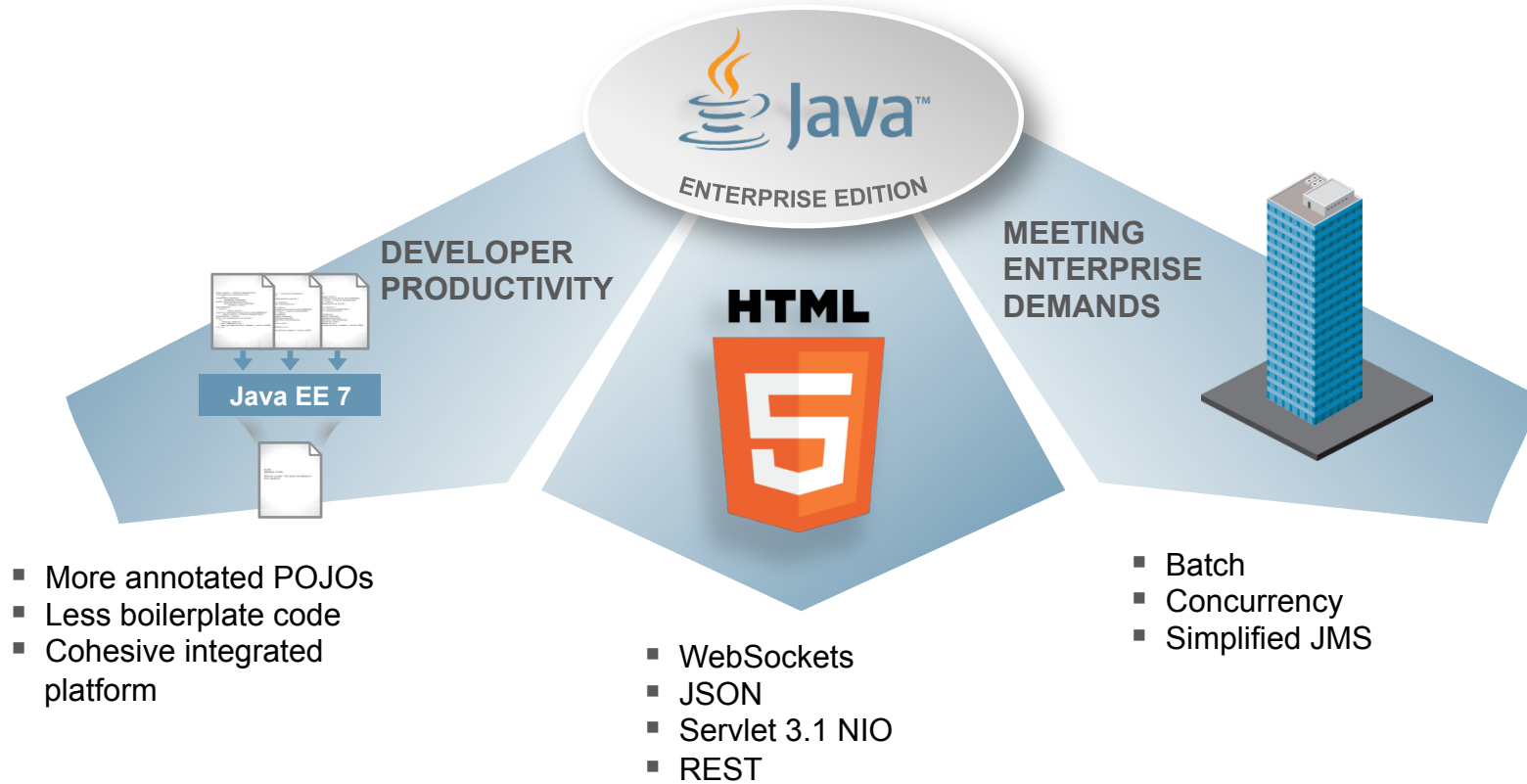




# Program Agenda

- Introduction of Java EE spec leads
- Brief review of Java EE 7
- Questions from you
- Java EE 8 feedback from you

# Java EE 7 Themes





## Java EE 7 JSRs

### New or Updated

- JPA 2.1
- JAX-RS 2.0
- EJB 3.2
- JMS 2.0
- Servlet 3.1
- EL 3.0
- JSF 2.2
- CDI 1.1
- Bean Validation 1.1
- WebSocket 1.0
- JSON 1.0
- Batch Applications 1.0
- Concurrency Utilities 1.0

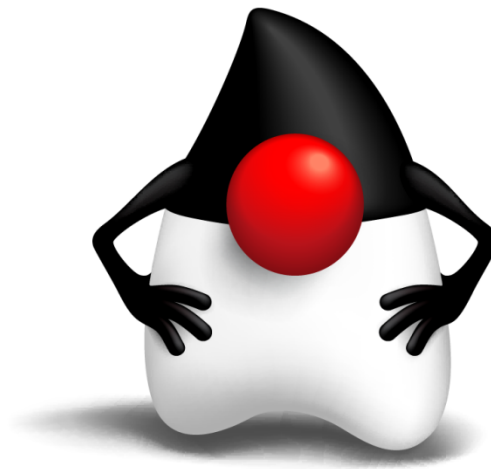


# Java EE 7 Maintenance Releases

- Common Annotations 1.2
- JTA 1.2
- Interceptors 1.2
- Connector 1.7
- JSP 2.3
- JASPIC 1.2
- JACC 1.4
- JavaMail 1.5
- Web Services 1.4



Questions?





## Java EE 8

- Planning is just getting started.
- Looking at work not completed for Java EE 7.
- Looking at requests from the community.
- Looking at industry trends.
- Continue to fill gaps, increase alignment.
- Considering ways to leverage Java SE 8 features.
- Looking at 2.5 – 3 years after EE 7 (i.e., our usual pace).





## Java EE 8 Ideas

- Following are just some of the ideas we've heard.
  - Some are from blogs by [Antonio](#) and [Arjan](#).
- These are mostly “platform” ideas.
  - Individual API ideas dealt with in corresponding expert groups.
- We can't do everything here.
  - We want to know what you consider important.
- We want to hear about things that are **not** on this list as well.
- Will likely turn this into a community poll, as we did for EE 7.



# Java EE 8 Idea JCache

- It's almost done!



## Java EE 8 Idea Cloud

- We did some in EE 7.
  - Mostly “enablement” rather than “requirements”.
- What more should we do?
- Is it mature yet?
- Is it time to standardize yet?



## Java EE 8 Idea NoSQL

- Which kind of NoSQL?
  - Key/value store, tuple store, object database, document store, wide columnar store?
- Is it time to standardize yet?
- Based on JPA?
- New API?
- Just a simple key/value store API?



## Java EE 8 Idea Big Data

- What exactly does this mean?
- Just standardize Hadoop?



## Java EE 8 Idea More CDI

- Expand use of CDI?
- Platform-defined default CDI beans for administered objects?
  - Replace need to use @Resource
- CDI events for more application and server events?
- CDI stereotypes for component definition?



# Java EE 8 Idea Security Interceptors

- Apply Container Managed Security to any bean.
- Part of deconstructing the EJB programming model.



## Java EE 8 Idea Password Alias Support

- Proposed and defined for EE 7 but didn't quite make it.
- Allows credentials to be provisioned along with app
  - But not in clear text.





## Java EE 8 Idea Improved Security Framework

- Many have asked for it, but what does it mean?
- More application APIs?
- Better declarative security?
- Support for more specific security protocols/formats?
- Security configuration and management APIs?



# Java EE 8 Idea

## More Configuration Flexibility and Control

- Many have asked for it, but what does it mean?
- More application APIs?
- Configuration and management APIs?
- Configuration files?
- Need more use cases...



# Java EE 8 Idea Templating Support

- Templates for web pages.
- Templates for email.
- Standardize an existing technology?



## Java EE 8 Idea Logging Improvements

- Improve java.util.logging API?
- Replace java.util.logging API?
- Either is a decision for Java SE.
- Other than log message generation, what needs to be standardized?
- Need use cases...



## Java EE 8 Idea More Embedded Support

- Embedded web container, like EJB container?
- Primarily for testing?



## Java EE 8 Idea Generalized Timer Support

- Make EJB timers available to any CDI bean.
- Part of deconstructing the EJB programming model.



## Java EE 8 Idea JMS Messages as CDI Events

- Simplify JMS further by using the CDI programming model?

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